

Catalogue of Industries Encouraging Foreign Investment

(2022 edition)

This catalogue is formulated for the purpose of implementing the Foreign Investment Law and its implementing regulations, encouraging and guiding foreign investors to invest in specific industries, fields and regions in accordance with the needs of the national economy and social development.

This catalogue consists of two parts, one is the National Catalogue of Industries Encouraging Foreign Investment, and the other is the Catalogue of Industries with Advantages for Foreign Investment in the Central and Western Regions.

Catalogue of Industries Encouraging Foreign Investment (2020) issued by the National Development and Reform Commission and the Ministry of Commerce on 27 December 2020

(Annual Edition) shall be repealed with effect from 1 January 2023.

National Catalogue of Industries Encouraging Foreign Investment

I. Agriculture, forestry, animal husbandry and fisheries

1. Cultivation, development and production of woody edible oils, spices and industrial raw materials
2. Green, organic vegetables (including edible fungi, watermelon), fresh and dried fruits, tea cultivation technology development, planting and product production
3. Wine grape breeding, cultivation and production
4. Breeding, cultivation and production of beer ingredients
5. Development of new technology for cultivation of sugar, fruit trees, pasture and other crops and production of products
6. Breeding and development of new varieties of high-yield and high-efficiency

silage speciality plants

7. Flower production and nursery base construction and management
8. Rubber, oil palm, sisal, coffee plantations
9. Breeding and cultivation of aromatic plants, extraction of essential oils
10. Planting and breeding of Chinese herbal medicines
11. Comprehensive Utilisation of Crop Stover Resources, Development and Production of Organic Fertiliser Resources
12. Forest resources cultivation (fast-growing and productive timber forests, large diameter timber forests, bamboo forests, oil tea and other economic forests, and timber forests of precious tree species, etc.)
13. Understorey ecological farming

14. Development and Application of Standardised Scale Livestock and Poultry Breeding Technology and Intelligent Breeding Technology
15. Breeding of livestock, poultry and aquaculture seedlings (excluding precious and excellent breeds unique to China)
16. Construction and operation of ecological and environmental protection projects for combating desertification, soil and water conservation and national land greening
17. Aquaculture, deep-water net-pen aquaculture, factory aquaculture, ecological marine culture enhancement
18. Efficient water-saving irrigation, farmland soil improvement and ecological management, comprehensive utilisation of saline and alkaline land and other arable land reserve resources, green farmland construction and technology development and application; rural environment improvement, rural sewage and rubbish management, water ecological environment management and restoration related engineering construction and technology development and application
19. Construction of cold chain logistics facilities for storage and preservation of agricultural products
20. Smart agriculture (integrated application of software technology and equipment, digital transformation of agricultural production and management)
21. Rural e-commerce and new rural services, including agricultural productive services adapted to the scale, standardisation and mechanisation of agricultural production, as well as rural living services
22. Leisure agriculture and rural tourism, leisure and sightseeing, agricultural experience, outdoor development, ecological recreation and labour education practice base construction
23. Safe, efficient and environmentally friendly feeds and feed additives (including vitamins, methionine, feed enzymes), development and production of alternative products to antimicrobial drugs for animal growth promotion.

II. Mining

24. Exploration and development of oil and natural gas (including shale gas and coal bed methane) and utilisation of mine gas
25. Development and application of enhanced oil recovery (in the form of

engineering services) and related new technologies

26. Development and application of new technologies for petroleum exploration and development, such as physical prospecting, drilling, logging, recording, and downhole work.
27. Development and application of new technologies to improve the utilisation of mine tailings and integrated application of mine ecological restoration technologies
28. Exploration, mining and beneficiation of minerals in short supply in China (e.g. potash, chromite, etc.)

III. Manufacturing

(i) Agro-food processing industry

29. Pet feed and food development and production
30. Aquatic product processing, shellfish purification and processing, seaweed health food development
31. Processing of vegetables, dried and fresh fruits, poultry and livestock products

(ii) Food manufacturing

32. Development and production of high-temperature sterilised milk (sterilised at 132°C for a short period of time)
33. Production of cheese and reconstituted cheese, cheese products
34. Development and production of infant formulae, infant complementary foods, formulae for special medical purposes and health foods
35. Development and production of bakery products (including chocolate and its products using natural cocoa beans), convenience foods, ice cream and its related ingredients
36. Confectionery, chewing gum, preserves, yoghurt production
37. Forest food processing
38. Development and production of plant protein bionic meat products
39. Natural food additives, natural flavouring new technology development and production
40. Development and production of aseptic liquid food packaging materials

(iii) Alcohol, Beverage and Refined Tea Manufacturing Industry

41. Development and production of fruit and vegetable juices and beverages, protein beverages, tea beverages, coffee beverages and plant-based beverages.

(iv) Textile industry

42. The use of non-woven, woven, knitted, woven, three-dimensional knitting and other technologies and a variety of technology composite, long finishing and other new technologies, the production of functional technical textiles

43. Adopting digital intelligent printing and dyeing technology and equipment, dyeing and finishing clean production technology (enzyme treatment, high-efficiency short-process pretreatment, continuous flat front treatment of knitted fabrics, low-temperature pre-treatment and dyeing, low-salt or no-salt dyeing, low urea printing, small-bath-ratio air-flow or air-liquid dyeing, digital ink-jet printing, foam finishing, etc.), functional finishing technology, new dyeing processing technology, composite fabric processing technology, production of high-grade textile fabrics Intelligent cylinder yarn dyeing technology and equipment development and application

44. Processing technology and production of natural fibres such as special animal fibres, hemp fibres, mulberry and sericulture silk, coloured cotton and

coloured mulberry cocoon silk, which meet the requirements of environmental protection.

45. Sorting, recycling and utilisation of waste textiles

46. Production and R&D of therapeutic medical and health textiles, artificial skin, absorbable sutures, hernia repair materials, new dialysis membrane materials, catheters for interventional therapy, high-end functional biomedical dressings, etc.

(v) Textile, clothing and apparel industry

47. Production of high count cotton yarn

48. Production of garments and garment semi-finished products using Computer Integrated Manufacturing System (CIMS)

49. Production of functional speciality clothing

(vi) Leather, fur, feather and their products and footwear industry

50. Cleaner technical processing of leather and fur

51. Leather Finishing New Technology Processing

52. Leather Waste Comprehensive Utilisation

53. Production of high-performance elastomer footwear materials

(vii) Wood processing and wood, bamboo, rattan, palm and grass products industry

54. Forestry three leftovers "second, small, salary" wood, waste wood and bamboo comprehensive utilisation of new technologies, new product development, production, wood and bamboo production pollution control and management, fine particulate matter emission reduction and dust explosion prevention technology development and application

55. Wood structure and wood building materials new technology, new product development, production

56. Waste wood recycling new technology, new product development, production

(viii) Manufacture of articles of culture, education, arts and crafts, sports and recreation

57. Production of high-quality carpets, embroidery and drawstring products

(ix) Petroleum processing, coking and nuclear fuel processing industries

58. Phenol oil processing, washing oil processing, anthracene oil processing, naphthalene oil processing, coal asphalt preparation of high-end chemicals (excluding modified bitumen)

(x) Chemical raw materials and chemical products manufacturing industry

59. Development and production of new downstream products of organosilicon

60. Supporting raw materials for synthetic materials: propylene oxide by hydrogen peroxide oxidation, epichlorohydrin by hydrogen peroxide oxidation of chloropropylene, dimethyl naphthalene dicarboxylate (NDC), 1,4-cyclohexanedimethanol (CHDM), 50,000 tonnes/year and above of hexanedinitrile by butadiene method, adiponitrile, norepinephrine production

61. Production of polyethylene polyamines

62. Development and production of high-end polyolefins such as high-carbon alpha olefin copolymer metallocene polyethylene and COC/COP cycloolefin polymers.

63. Synthetic fibre raw material production: 1,3-Propanediol

64. Synthetic rubber production: acrylate rubber, chlorohydrin rubber, as well as special fluoroelastomers, silicone rubber, fluorosilicone rubber, thermoplastic polyurethane rubber and other special rubbers

65. Production of engineering plastics and plastic alloys: polyphenylene sulphide, polyether ether ketone, polyimide, polysulfone, polyethersulfone,

Polyarylate (PAR), polyphenylene ether, special polyamide (PA) and its modified materials, liquid crystal polymers and other products

66. Fine chemicals: new products and technologies of catalysts, commercial processing technologies of dyeing (pigment) materials, electronic chemicals and paper chemicals, leather chemicals, oilfield chemicals, surfactants and key raw materials, nitrogen-protected double-shell towers for the safe production of refined ethylene oxide, production of water treatment agents and key raw materials, production of high-solids, solvent-free, aqueous, electron-beam curing, UV curing and reactive adhesives and key raw materials including High-end butyl acrylate and high-end octyl acrylate, polyester polyol, curing agent and other key raw materials production, sealants, adhesive tapes and key raw materials production, high efficiency, safety, environmentally friendly plasticisers (polyester plasticisers, etc.), halogen-free flame retardant, permanent antistatic agents, organic heat stabilizers, nucleating agents and other new plastics auxiliaries production, inorganic fibers, inorganic nano-materials production, pigment film coating treatment Deep processing, environmentally friendly surface treatment technology product development, production, humic acid fine chemical product development, production

67. Water-based inks and adhesives, low volatility inks and adhesives such as electron beam curing UV curing, environmentally friendly organic solvent materials, environmentally friendly organic solvent-free materials production

68. Production of natural flavours, synthetic flavours, mono-ionic flavours and citral, an intermediate in flavour components

69. High-performance coatings, adhesives, high-solids, water-based, powder, radiation-curing, solvent-free and other low VOCs content industrial coatings and supporting resins, water-based industrial coatings and supporting water-based resins (including high-end butyl acrylate and high-end octyl acrylate) production

70. High-performance fluoropolymers, fluorine film materials, medical fluorine intermediates, zero ODP and low ODP in accordance with international conventions.

GWP Production of refrigerants, cleaning agents, blowing agents, etc.

71. Development, storage, transport and liquefaction of green technologies for the preparation of hydrogen fuels (hydrogen from chemical by-products, bio-

hydrogen, hydrogen from electrolysis of water from renewable energy sources, etc.)

72. Production and supply of large, high-pressure, high-purity industrial gases (including electronic gases)

73. Carbon Capture Utilisation and Storage (CCUS) Project Construction and Operation

74. Recovery of fluorine resources from phosphorus chemistry, aluminium smelting production

75. New technology, new product development and production of forest chemical products

76. Development and production of inorganic, organic and biological membranes for environmental purposes

77. Development and production of new fertilisers: high concentration potash fertiliser, composite microbial inoculant, composite microbial fertiliser, straw and rubbish maturing agent, special function microbial preparation, humic acid fertiliser.

78. Development and production of new varieties of highly efficient, safe and environmentally friendly pesticides, new dosage forms, special intermediates and auxiliaries, as well as the development and application of related clean production processes, and the production of pesticides with chiral and three-dimensional structures by directional synthesis.

79. Development and production of biopesticides and biological control products: microbial insecticides, microbial fungicides, agricultural antibiotics, biostimulants, insect pheromones, natural insect enemies, microbial herbicides

80. Comprehensive use and treatment and disposal of waste gas, waste liquid and waste residue

81. Organic polymer materials: aircraft skin coating, rare earth cerium sulphide red dye, lead-free electronic packaging materials, colour plasma display special series of photolithography pastes, small diameter and large surface area microfibres, high-precision fuel filter paper, surface treatment and self-repairing materials, super-hydrophobic nano-coating materials, ultra-high-perfraction optical resin materials, environmentally friendly and recyclable co-extruded backsheets and backsheets with plastic materials for solar modules. Automotive start-stop lead battery diaphragm, energy storage lead battery diaphragm

82. Forestry biomass energy new technology, new product development, production and application

83. Process development for low-carbon upgrading of petrochemical chemical feedstocks: electrically driven ethylene cracking; reverse water gas shift and partial oxidation processes to convert carbon dioxide with light hydrocarbons as feedstock to carbon monoxide

(xi) Pharmaceutical manufacturing

84. Production of new compound drugs or active ingredient drugs (including APIs and formulations)

85. Amino acids: Fermentation production of tryptophan, histidine, methionine, etc. production

86. Development and production of new anticancer drugs, new cardiovascular drugs and new neurological drugs

87. Novel drug production using bioengineering techniques

88. AIDS vaccine, hepatitis C vaccine, contraceptive vaccine and new vaccines for cervical cancer, malaria, hand, foot and mouth disease, etc.

estate

89. Development and production of marine drugs

90. Pharmaceutical preparation production: new dosage forms and new products using new technologies such as extended release, controlled release, targeting

and transdermal absorption.

commodity

91. Development and production of new pharmaceutical excipients
92. Production of antimicrobial raw materials for animals (including antibiotics, chemical synthesis)
93. Production of new products and new dosage forms of veterinary antimicrobials, anthelmintics, insecticides and anticoccidials
94. Development and production of new diagnostic reagents
95. R&D and production of cell therapy drugs (except in areas where foreign investment is prohibited)
96. Development of new key raw materials for the production of vaccines, cell therapy drugs, etc., and large-scale cell culture products,

give birth to a child

97. Development and production of new pharmaceutical packaging materials and technologies (neutral borosilicate pharmaceutical glass with good chemical stability,

Biodegradable, functional materials with light protection and high barrier properties, COP cyclic olefin polymer packaging materials, aerosols, powders, self-administration, pre-filling, automated mixing, and other new types of packaging and drug delivery systems and devices.)

98. Development and production of drugs for rare diseases and paediatric specialities

99. Development and production of consumables related to pharmaceutical manufacturing: separation and purification media, solid phase synthesis media, chiral disassembly media, drug impurity control detection consumables, etc.

(xii) Chemical fibre manufacturing

100. Continuous copolymerisation modification of differentiated and functional polyester (PET) [cationic dye dyeable polyester (CDP, ECDP), alkali-soluble polyester (COPET), high shrinkage polyester (HSPET), flame-retardant polyester, low-melting-point polyester, non-crystalline polyester, bio-degradable polyester, polyester produced by green catalysts, etc.]; flame-retardant, antistatic, anti-ultraviolet, anti-bacterial, phase change energy storage, Photochromic, in-situ colouring and other differentiated, functional chemical fibres, such as efficient and flexible preparation technology research and development; intelligent, ultra-simulation and other functional chemical fibre production; original development of high-speed spinning processing with green, efficient and environmentally friendly oil production

101. 高性能纤维及制品的开发、生产：碳纤维（CF）、芳纶（AF）、芳腈纶（PSA）、超高分子量聚乙烯纤维（UHMWPE）、聚苯硫醚纤维（PPS）、聚酰亚胺纤维（PI）、聚四氟乙烯纤维（PTFE）、聚苯并双噁唑纤维（PBO）、聚芳噁二唑纤维（POD）、玄武岩纤维（BF Silicon Carbide Fibre (SiCF), Polyetheretherketone Fibre (PEEK), High Tensile Glass Fibre (HT-AR), Poly(2,5-dihydroxy-1,4-phenylene pyridinium diimidazole) (PIPD) Fibre

102. Production of new polyesters for fibre and non-fibre applications: polypropylene terephthalate (PTT), polyethylene naphthalene dicarboxylate (PEN), polycyclohexanedimethanol terephthalate (PCT), diol-modified polyethylene terephthalate (PETG), poly(lactic acid) (PLA, based on NGP biomass)

103. Production of biomass fibres using new renewable resources and green processes, including new solvent cellulose fibres (Lyocell), regenerated cellulose fibres made from bamboo, hemp, etc., polylactic acid fibres (PLA), chitin fibres,

polyhydroxy fatty acid ester fibres (PHA), animal and plant protein fibres, polybutylene glycol succinate (PBG) (PBS), etc.

104. Nylon 11, nylon 12, nylon 1414, nylon 46, nylon 56 (based on non-food biomass as raw material), long carbon chain nylon, high temperature nylon and other new polyamides, differentiated, functional, high value-added modified nylon (including nylon elastomers, copolymerised nylon, nylon engineering plastics, flame-retardant nylon) development, production

105. Landfill impermeable geomembrane development, production

(xiii) Rubber and plastic products industry

- 106. Development, production and application of silicone products
- 107. Development, production and application of biodegradable plastics and their products
- 108. Development and production of new photo-ecological multi-functional wide agricultural films and non-polluting biodegradable agricultural films
- 109. Sorting, recycling and reuse of waste plastics
- 110. Plastic flexible packaging new technology, new products (high-barrier, multi-functional film and raw materials) development, production

(xiv) Non-metallic mineral products industry

- 111. Development and production of energy-saving, environmentally friendly, waste-friendly, lightweight, high-strength, high-performance and multifunctional building materials
- 112. Development and production of moulded injection moulding and integrated moulding products
- 113. Plastic instead of steel, plastic instead of wood, energy-saving and efficient chemical building materials production
- 114. Intelligent Manufacturing of New Assembly Building Components
- 115. Annual output of 10 million square metres and above elastomer, plastic modified asphalt waterproofing roll-roofing, wide (more than 2 metres) EPDM waterproofing roll-roofing and ancillary materials, wide (more than 2 metres) PVC waterproofing roll-roofing, thermoplastic polyolefin (TPO) waterproofing membrane production
- 116. New technology functional glass development, production: infrared transmittance of lead-free sulphur glass and products, optical performance of multi-functional windscreen (light transmittance $\geq 70\%$), coated privacy windscreen, acoustic windscreen, solar windscreen, conductive colour-changing windscreen, electrically heated windscreen, windscreen, head-up display windscreen, vacuum glass, high purity ($\geq 99.998\%$) ultra-pure ($\geq 99.999\%$) Crystal raw material purification and processing
- 117. Production of thin film battery power generation glass, solar collector glass, photovoltaic power generation glass for buildings
- 118. 80,000 tonnes/year and above of non-alkali glass fibre roving (monofilament diameter > 9 micron) pool kiln drawing production, 50,000

tonnes/year and above of non-alkali glass fibre yarn (monofilament diameter ≤ 9 micron) pool kiln drawing production, ultra-fine glass fibre

(Production of high-performance and special glass fibres (monofilament diameter ≤ 5 microns), biodegradable glass fibres, shaped cross-section glass fibres, alkali glass fibres, low dielectric glass fibres, quartz glass fibres, high silica glass fibres, high strength and high elasticity glass fibres, ceramic fibres and other high-performance and special glass fibre production, glass fibre mats, cloth and other products.

119. Production of optical fibres and products: beam and laser medical fibres, super-second and third-generation microchannel panels, optical fibre panels, retroreflectors and glass light cones

120. Standardised refining of ceramic raw materials, production of high-grade decorative materials for ceramics

121. Production of long-life, energy-saving and environmentally friendly (chrome-free) refractories for kilns for cement, electronic glass, ceramics, microporous carbon bricks, etc.

122. Porous ceramics production

123. Inorganic non-metallic new materials and products production: composite materials, special ceramics, special sealing materials (including high-speed oil seal materials), special friction materials (including high-speed friction brake products), special cementitious materials, special latex materials, hydroacoustic rubber products, nanomaterials

124. Production of organic-inorganic composite foam insulation materials, high-performance energy-saving insulation materials for buildings, production of insulation and isolation materials for modern centralised agricultural farming

125. Production of high-tech composites: continuous fibre-reinforced thermoplastic composites and prepregs, temperature-resistant > 300 °C resin matrix composites moulding process aids, biodegradable resin matrix composites, additive manufacturing resin matrix composites, resin matrix composites (including sporting goods, lightweight and high-strength transport components), special functional composites and products (including deep-water and diving composites, medical and rehabilitation composites), carbon / carbon composites, high-performance ceramic-based composites Composite materials and products, metal-based and glass-based composite materials and products, metal laminated composite materials and products, pressure $\geq 320\text{MPa}$ ultra-high-pressure composite hose, large passenger aircraft tyres, polyester structural foam (used in lightweight and high-strength transport components, wind turbine blade core material, building materials and other fields)

126. Precision high-performance ceramic raw materials production: silicon carbide (SiC) ultrafine powder (purity > 99%, average particle size $< 1\mu\text{m}$), silicon nitride (Si_3N_4) ultrafine powder (purity > 99%, average particle size $< 1\mu\text{m}$), high purity ultrafine alumina micropowder (purity > 99.9%, average particle size $< 0.5\mu\text{m}$), low-temperature sintered zirconium oxide (ZrO_2) powder.

(sintering temperature $< 1350^\circ\text{C}$), high purity aluminium nitride (AlN) powder (purity > 99%, average particle size $< 1\mu\text{m}$), rutile TiO_2 powder (purity > 98.5%), silica (particle size $< 100\text{nm}$), barium titanate (purity > 99%, particle size $< 1\mu\text{m}$)

127. Development and production of high-quality artificial crystals and crystal film products: high-quality synthetic crystals (piezoelectric crystals and UV-transparent crystals), super-hard crystals (cubic boron nitride crystals), high-temperature-resistant and high-insulation synthetic insulating crystals (synthetic

mica), new electro-optical crystals, high-power laser crystals and large-size scintillation crystals, diamond film tools, ultra-thin synthetic diamond blades of thicknesses of 0.3mm and below.

- 128. Fine processing of non-metallic minerals (ultrafine crushing, high purity, refining, modification)
- 129. Ultra High Power Graphite Electrode Production
- 130. Production of pearlescent mica (particle size 3-150 μ m)
- 131. Production of multidimensional and multidirectional monolithic fabrics and imitation fabrics
- 132. Non-hazardous disposal of solid waste using new dry-process cement kilns, production of sintered wall materials
- 133. Construction waste recycling

- 134. Comprehensive utilisation of industrial by-product gypsum and other industrial wastes
- 135. Development and application of new technologies for the comprehensive utilisation of non-metallic mine tailings and mine ecological rehabilitation
- 136. Development and production of high-temperature and corrosion-resistant filter media

(xv) Non-ferrous metal smelting and rolling processing industry

137. High-tech non-ferrous metal materials and their products: high-temperature superconducting materials, memory alloy materials (titanium-nickel, copper-based and iron-based memory alloy materials), ultra-fine (nano) tungsten carbide and ultra-fine (nano) crystal tungsten carbide, super-hard composites, precious metal composites, light metal composites, new-generation information technology industry, aerospace equipment, electric power equipment, advanced rail transit equipment, biomedical and High-performance medical equipment, marine engineering equipment and high-tech ships, energy-saving and new energy vehicles, high-grade CNC machine tools and robots, agricultural equipment, energy saving and environmental protection in the field of high-performance light metals and copper alloy materials deep processing, foam aluminium, atomic energy-grade zirconium sponge, tungsten and molybdenum deep processing products

- 138. Processing of rare earth high-end application products that meet the requirements of new rare earth materials

- 139. Production of high-performance aluminium-titanium-boron grain refiner

(xvi) Metal products industry

140. R&D and manufacturing of lightweight and environmentally friendly new materials for aviation, aerospace, shipping, automobiles and motorbikes (special aluminium plates, aluminium-magnesium alloy materials, motorbike aluminium alloy frames, etc.)

- 141. Metal packaging products used for packaging all kinds of foodstuffs, fruits and vegetables, beverages, daily chemical products and other contents.

(Manufacturing and processing (including the printing and coating of the inner and outer walls of the product) (shall be complete and the thickness of the wall of the packaging shall be less than 0.3 mm)

142. Manufacture of steel fibres for construction

(xvii) General equipment manufacturing

143. Manufacture of high-grade CNC machine tools and key components: five-axis linked CNC machine tools, CNC coordinate boring and milling machining centres, CNC coordinate grinding machines

144. Large-scale (furnace capacity of 1 tonne or more) multi-functional controlled atmosphere heat treatment equipment, program-controlled chemical heat treatment equipment

Manufacture of programmable multifunctional vacuum heat treatment equipment and vacuum heat treatment equipment with a capacity of 500 kg or more, and heat treatment furnaces with full-fibre linings

145. Manufacture of dismantling, crushing and reprocessing sorting equipment for end-of-life vehicles

146. FTL Flexible Line Manufacturing

147. Manufacture of high-end precision tools, nanocomposite coatings and high-end processing equipment production and manufacturing

148. Sub-micron ultrafine pulveriser manufacturing
149. Manufacture of wheeled and crawler cranes of 400 tonnes and above
150. Working pressure $\geq 35\text{MPa}$ high-pressure piston pumps and motors, working pressure $\geq 35\text{MPa}$ low-speed high-torque motor design and manufacturing
151. Working pressure $\geq 25\text{MPa}$ integral hydraulic multi-way valve, electro-hydraulic proportional servo components manufacturing
152. Design and manufacture of valve islands, pneumatic solenoid valves with a power of 0.35W or less, and high-frequency electronically controlled valves with a power of 200Hz or more.
153. Manufacture of valves for use at temperatures below -120°C or above 530°C .
154. Design and manufacture of hydrostatic drives
155. Development and manufacture of non-contact air film seals at pressures above 10MPa and dry air seals at pressures above 10MPa (including experimental equipment).
156. Repeatability less than or equal to 0.03 degrees, axial runout less than or equal to 0.02mm Pneumatic actuator design, manufacturing
157. Manufacture of noise and vibration pollution control equipment: sound barriers, mufflers, damped spring isolators
158. Development and manufacture of equipment for automotive polymer materials (friction plates, modified phenolic pistons, non-metallic hydraulic master cylinder, etc.)
159. The second generation of commercial vehicle wheel bearings (THU2), the third generation and above car wheel bearings, high and medium-grade CNC machine tools and machining centre bearings, high-speed wire rod and plate mill bearings, high-speed railway bearings, vibration value of Z4 below the low-noise bearings, all types of bearings P4 and P2 grade bearings, wind turbine bearings, aviation bearings, aircraft engine bearings and other aviation bearings, medical CT machine bearings, deep-well Ultra-deep oil rig bearings, ocean engineering bearings, electric vehicle drive motor system high-speed bearings (speed $\geq 12,000$ rpm), industrial robots RV gearbox harmonic reducer bearings, shield machine bearings, machining CNC machine tools, large bearing heat treatment equipment manufacturing
160. Manufacture of gear transmissions for high-speed trains, variable pitch

gearing systems for ships, and large, heavy-duty gearboxes

- 161. Manufacture of high-temperature-resistant insulating materials (insulation classes F and H) and moulded insulating parts.
- 162. Development and manufacture of accumulator capsules and rubber-plastic seals for hydraulics and pneumatics
- 163. Manufacture of high-precision, high-strength (12.9 grade or above), shaped and combined fasteners.
- 164. Manufacture of micro-precision transmission couplings (clutches)
- 165. Manufacture of connecting shafts for large rolling mills
- 166. Remanufacturing of machine tools, construction machinery, railway locomotive equipment and other machinery and equipment, and remanufacturing of automotive parts and components

167. Development and manufacture of digital cameras with more than 10 megapixels or a horizontal field of view of more than 120 degrees, as well as optical lenses and photoelectric modules.

168. Office machinery (including industrial use) manufacturing: multifunctional integrated office equipment (copying, printing, faxing, scanning), printing equipment, high-resolution colour printer heads with an accuracy of 2400dpi and above, photoconductive drums

169. Cinema machinery: 2K, 4K digital cinema projectors, digital cinema cameras, digital video production and editing equipment.

170. Construction of port reception and disposal facilities for ship pollutants and equipment manufacturing, construction of emergency facilities for hazardous chemicals and oil products in ports and equipment manufacturing

171. Industrial water conservation process, technology development and application and related equipment manufacturing

(xviii) Specialised equipment manufacturing

172. Manufacture of trackless mining, loading and transport equipment for mines: 200 tonnes or more of electric wheeled mining dump trucks, mobile crushers, 5,000 cubic metres/hour or more of bucket wheel excavators, 8 cubic metres or more of mining loaders, 2,500 kilowatts or more of electric haulage coal mining equipment, etc.

173. Physical exploration (excluding gravity and magnetic surveys), logging equipment manufacturing: MEME geophones, digital telemetry seismometers, digital imaging, CNC logging systems, horizontal wells, directional wells, drilling rig installations and appliances, and MWD drilling logging instruments

174. Manufacture of oil exploration, drilling and gathering equipment: floating drilling systems and floating production systems with working water depths greater than 1,500 metres and ancillary subsea oil recovery and gathering equipment

175. Large-diameter rotary drilling rigs with a diameter of 2 metres or more and a depth of 30 metres or more, pipe jacking rigs with a diameter of 1.2 metres or more, and pipe return rigs with a diameter of 1.2 metres or more
Manufacture of complete sets of equipment for large-scale trenchless laying of underground pipelines with a towing capacity of 300 tonnes or more, and drilling rigs for diaphragm wall construction

- 176. Design and manufacture of large bulldozers 520 hp and above
- 177. Design and manufacture of dredging units for dredgers of 100 m³/hour and above, and dredgers of 1000 tonnes and above.
- 178. Design and manufacture of equipment for the construction of concrete seepage walls for flood control dams
- 179. Manufacture of seismic mitigation devices for civil engineering structures
- 180. Underwater earthwork machinery: bulldozers, loaders, excavators, etc., in water depths of up to 9 metres.
- 181. Road and bridge maintenance, automatic inspection equipment manufacturing
- 182. Manufacture of equipment for operational monitoring, ventilation, disaster prevention and rescue systems for road tunnels
- 183. Railway large-scale construction, railway lines, bridges, tunnels repair and maintenance machinery and inspection, monitoring equipment and

Design and manufacture of its key components

184. Multi-element, fine-grained, difficult to metallurgical metal minerals beneficiation device manufacturing

185. Manufacture of key equipment for ethylene plants of 1 million tonnes/year and above: annual processing capacity of 400,000 tonnes and above.

Upper mixer granulators, screw discharge centrifuges 1000 mm diameter and larger, low-flow, high-lift centrifugal pumps

186. Design and manufacture of metal product dies (tube, bar and profile extrusion dies for copper, aluminium, titanium and zirconium)

187. Stamping moulds for automobile body exterior coverings, large injection moulds for automobile instrument panels, bumpers, etc., automobile and motorbike jigs and fixtures design and manufacture.

188. Design and manufacture of special production equipment for automotive power batteries

189. Design and manufacture of precision moulds (stamping moulds with an accuracy of more than 0.02 mm and cavity moulds with an accuracy of more than 0.05 mm).

190. 60,000 bottles/hour and above beer filling equipment, 50,000 bottles/hour and above beverage medium temperature and hot filling equipment, 36,000 bottles/hour and above aseptic filling equipment manufacturing

191. Amino acids, enzymes, food additives and other production technology and key equipment manufacturing

192. Manufacture of complete sets of feed processing equipment and key components for 10 tonnes/hour and above

193. Manufacture of lightweight corrugated board and carton equipment with flute heights of 0.75 mm and below

194. Sheetfed multicolour offset press (width ≥ 750 mm, printing speed: single-sided multicolour $\geq 16,000$ 张 / h, double-sided multicolour $\geq 13,000$ 张 / h) manufacturing

195. Single-width, single-pass web offset presses with print speeds greater than 75,000 pairs of sheets/hour (787 x 880) (787 x 880 mm), double-width, single-pass web offset presses printing at speeds greater than 170,000 pairs of sheets per hour (787 x 880 mm), commercial web

offset presses printing at speeds greater than 50,000 pairs of sheets per hour (787 x 880 mm) Manufacturing

196. Multi-colour wide-format flexographic printing machine (printing width \geq 1300 mm, printing speed \geq 350 m / s), inkjet digital printing machine (publishing: printing speed \geq 150 m / min, resolution \geq 600 dpi; packaging: printing speed \geq 30 m / min, resolution \geq 1000 dpi; variable data with: printing speed \geq 100 m / min, resolution \geq 300 dpi) manufacturing

197. Computerised ink pre-setting, ink remote control, ink and water speed tracking, automatic print quality detection and tracking system, shaftless drive technology, high-speed automatic splicer with a speed of 75,000 sheets/hour, feeder and high-speed folding machine with automatic remote control, automatic overprinting system, cooling device, silicon system, bias adjusting device and other manufactures.

198. Manufacture of automatic coating machine for electron gun

199. Flat glass deep processing technology and equipment manufacturing
200. New paper machinery (including pulp) and other complete sets of equipment manufacturing
201. Manufacture of new technology equipment for leather finishing
202. Soil pollution treatment and remediation equipment manufacturing
203. Agricultural products processing and storage of new equipment

development, manufacturing: grain, oilseeds, vegetables, fresh and dried fruits, meat, aquatic products and other products processing and storage, preservation of freshness, grading, packaging, drying and other new equipment, agricultural products, agricultural products, agricultural products, quality of the quality of the instrumentation and equipment for non-destructive testing instruments and equipment, rheometer, powder meter, ultra-micro pulverisation equipment, high-efficiency dewatering equipment, more than five-effective and high-efficiency juice concentration equipment, powdered foods Material sterilisation equipment, solid and semi-solid food aseptic packaging equipment, disc separation centrifuge

204. Agricultural machinery manufacturing: agricultural facilities and equipment (automatic irrigation equipment for greenhouses, automatic nutrient solution allocation and fertiliser application equipment, high-efficiency vegetable nursery equipment, soil nutrient analysis instruments), tractors with engine power of more than 200 kilowatts and ancillary farm implements, low-fuel-consumption, low-noise and low-emission diesel engines, sprayers with residual mist recycling devices for large tractors, high-performance rice transplanters, cotton pickers and Cotton pickers, self-propelled corn combine harvesters (hydraulic or mechanical drive) with various row spacings, peanut harvesters, rapeseed harvesters, sugarcane harvesters, sugar beet harvesters, self-propelled grape harvesters

205. Manufacture of forestry facilities and equipment: intelligent greenhouse for seedlings and flowers, equipment for precise irrigation, fertiliser application, seedling nursery, etc., analytical instruments for seedling dry diameter and leaf root runoff, seed vigour, soil nutrients, etc., high-power (240KW) woodland operation chassis and its supporting equipment, multifunctional small and medium-sized machines for land preparation, tree planting, nurturing, harvesting, timber collection, etc., machinery for difficult land afforestation, machinery for forest residue collection, bundling, woodchip, crushing and its Comprehensive utilisation

machines, large and medium-sized plant protection and drug application spraying machines, small precision drug application equipment or bionic drug application robots, forest tree ball and fruit collection, oilseed fruit harvesting machines, large and medium-sized tree transplanting machines, shrub stubble levelling equipment, high-efficiency pruning equipment, rapid measurement equipment for forest tree stock 206. Wood processing equipment manufacturing: fast colour difference recognition technology equipment, fast solid wood panel measuring equipment, fast wood processing equipment manufacturing.

Quick scar detection equipment, solid wood surface defects detection equipment, sawn wood lumbering equipment, man-made panel surface defects rapid detection equipment, online quality grading equipment, rotary cut veneer quality online detection equipment, solid wood furniture varnish sanding dust treatment equipment, board furniture board pieces of rapid sorting equipment, furniture manufacturing intelligent warehouse

207. Manufacture of forestry disaster monitoring equipment: forest area rapid rescue equipment, high-precision navigation and positioning equipment, drone fire and disaster monitoring and early warning equipment, fire-fighting and deworming equipment

208. Crop straw collection, baling and comprehensive utilisation equipment manufacturing

209. Resource Utilisation of Agricultural Waste and Resource Utilisation of Large Scale Livestock and Poultry Farming Waste Equipment Manufacturing

- 210. Leather, fur and its products advanced intelligent manufacturing processing special equipment manufacturing
- 211. Manufacture of fertiliser-saving, medicine-saving and water-saving agricultural technology equipment
- 212. Manufacture of electromechanical well cleaning equipment and cleaning drug production equipment
- 213. Manufacture of electronic endoscopes
- 214. Fundus camera manufacturing
- 215. Manufacture of medical imaging equipment (high field strength superconducting magnetic resonance imaging equipment, X-ray computed tomography equipment, digital colour ultrasound diagnostic equipment, etc.), medical imaging intelligent auxiliary diagnostic systems and key components
 - 216. Medical ultrasound transducer (3D) manufacturing
 - 217. Manufacture of boron neutron capture therapy equipment
 - 218. Manufacture of image-guided conformal intensity-modulated radiation therapy system
 - 219. Manufacture of haemodialysis machines and haemofiltration machines
 - 220. Automatic biochemical monitoring equipment, five-classification blood cell analyser, automatic chemiluminescence immunoassay analyser, high-throughput gene sequencing system, molecular diagnostic equipment manufacturing
 - 221. Pharmaceutical quality control new technology, new equipment manufacturing
 - 222. New technology for analysing active substances of natural medicines, new technology for extraction, new equipment development and manufacturing
 - 223. Biomedical supporting consumables production equipment development, manufacturing
 - 224. Non-PVC medical infusion bag multilayer co-extrusion water-cooled film blow moulding equipment manufacturing
 - 225. Artificial Intelligence Assisted Medical Device Manufacturing
 - 226. Manufacture of high-end radiotherapy equipment
 - 227. High-end surgical instruments, physical therapy and rehabilitation equipment, wearable intelligent health equipment manufacturing
 - 228. Manufacture of life support equipment for critical care

- 229. Manufacture of mobile and remote diagnostic equipment
- 230. Manufacture of ventilators, ECMO, monitors, PCR instruments
- 231. Development and production of minimally invasive surgical equipment: 3D imaging, electron microscopy systems, surgical robots, robotic arms, hearing aids and cochlear implants, etc.
- 232. Development and production of holmium and carbon dioxide laser therapy products
- 233. Development and application of new stents, prostheses and other high-end implantable interventional devices and materials and additive manufacturing technologies
- 234. Manufacture of emergency rescue equipment
- 235. New textile machinery, key components and textile testing, laboratory equipment development, manufacturing

- 236. Computerised Jacquard Artificial Fur Machine Manufacturing
- 237. High-tech solar cell production equipment manufacturing
- 238. Carbon Capture Utilisation and Storage (CCUS) Equipment Manufacturing, Greenhouse Gas Monitoring and Measuring Equipment Manufacturing
- 239. Air pollution prevention and control equipment manufacturing: low NO_x combustion device, flue gas denitrogenation catalyst and denitrogenation complete set of devices, industrial organic waste gas purification equipment, diesel vehicle exhaust purification device, heavy metal-containing waste gas treatment device
- 240. Manufacture of water pollution control equipment: horizontal spiral centrifugal dewatering machine, membrane and membrane materials, ozone generator above 50kg/h, chlorine dioxide generator above 10kg/h, ultraviolet disinfection device, rural small-scale domestic wastewater treatment equipment, heavy metal-containing wastewater treatment equipment.
- 241. Solid Waste Treatment and Disposal Equipment Manufacturing: Sewage Treatment Plant Sludge Disposal and Resource Utilisation Equipment, Landfill Leachate Treatment Technology and Equipment, Construction Waste Treatment and Resource Utilisation Equipment, Hazardous Waste Treatment Devices, Landfill Biogas Generation and Power Generation Devices, Scrap Iron and Steel Processing Equipment, Centralised Disposal Facilities for Medical Waste
- 242. Aluminium industry red mud comprehensive utilization equipment development, manufacturing
- 243. Tailings Comprehensive Utilisation Equipment Manufacturing
- 244. Waste plastic, electrical appliances, rubber, battery recycling treatment recycling equipment manufacturing
- 245. Manufacture of waste textile recycling and treatment equipment
- 246. Manufacture of remanufacturing equipment for used mechanical and electrical products
- 247. Manufacture of waste heat, pressure and gas utilisation equipment
- 248. Technology and equipment manufacturing for environmental protection of aquatic ecosystems
- 249. Manufacture of mobile combined water purification plants
- 250. Non-conventional water treatment, reuse equipment and water quality

monitoring instruments manufacturing

- 251. Manufacture of leak detection equipment and instruments for industrial water pipe networks and equipment (appliances)
- 252. Development and manufacture of technology and complete sets of equipment for desalination and cooling of seawater with a daily capacity of 100,000 cubic metres and above
- 253. Manufacture of water-saving industrial equipment for high water-consumption industries such as iron and steel, paper, textile, petrochemical, chemical, metallurgy, etc.
- 254. Manufacture of special meteorological observation and analysis equipment
- 255. Development of seismic stations, networks and mobile seismic observation technology systems and manufacture of instruments and equipment
- 256. Rolling resistance testing machine, tyre noise test chamber manufacturing
- 257. Manufacture of new technology equipment for heat metering and temperature control devices
- 258. Manufacture of hydrogen energy preparation and storage equipment and inspection systems
- 259. New heavy residue gasification atomisation nozzles, high efficiency steam traps with a leakage rate of 0.5% and below, 1000°C and below.

Above high temperature ceramic heat exchanger manufacturing

260. Manufacture of offshore oil spill recovery units

261. Manufacture of low concentration coal mine gas and spent air utilisation equipment

262. Development and utilisation of clean coal technology products and equipment manufacturing (coal gasification, liquefaction)

263. Large public buildings, high-rise buildings, petrochemical facilities, forests, mountains, waters and underground facilities fire extinguishing and rescue technology development and equipment manufacturing

264. Intelligent Emergency Medical Rescue Equipment Manufacturing

265. Hydrological monitoring sensor manufacturing

266. Design, development and manufacture of main process equipment for nuclear reactors

267. Development and Production of Diamond Composite Drill Blades (PDC Drill Bits)

268. Sand and gravel grain shape, grading online analysis technology and its equipment development, production

269. Development and production of precision electronic moulds

270. Development and production of dental implant systems for implant restorations in patients with bone loss

271. Ski resort snow and ice heavy equipment, light equipment; passenger ropeways, snow machines, snow presses and other special equipment industry R & D, production

272. Closed negative pressure drainage wound care materials, bacterial fibrin film and polyurethane foam dressings and other polymer material dressings manufacturing

273. Construction of five-layer and above co-extruded unidirectional and bi-directional stretch film production line, construction of barrier coating production line

(xix) Automobile manufacturing

274. Automobile engine manufacturing and construction of engine research and development institutions: petrol engines with a litre power of not less than 70 kW. Diesel engines up to 3 litres with a displacement of not less than 50 kilowatts per

litre and diesel engines with a displacement of not less than 40 kilowatts per litre. Diesel engines with a capacity of 3 litres or more, new energy engines such as fuel cells and hybrid fuels

275. Manufacturing of key automotive components and R&D of key technologies: dual-clutch transmission (DCT), continuously variable transmission (CVT), electronically controlled mechanical transmission (AMT), gasoline engine turbocharger, viscous coupling (for four-wheel drive), automatic transmission actuator (solenoid valve), hydrodynamic retarder, eddy-current retarder, automotive airbags with gas generator, common rail fuel injection technology (maximum injection pressure greater than 2000 Pa), variable cross-section turbocharging technology (VGT), variable nozzle turbocharging technology (VNT), engine emission control to meet China's sixth-stage pollutant emission standards. Maximum injection pressure greater than 2000 Pa), variable cross-section turbocharging technology (VGT), variable nozzle turbocharging technology (VNT), engine emission control devices that meet China's Stage VI pollutant emission standards, intelligent torque management systems (ITM) and coupler assemblies, drive-by-wire steering systems, particulate traps, low-floor bus axles, energy-absorbing steering systems, low-floor bus axles, and energy-absorbing steering systems, and energy-absorbing steering systems for large-sized buses.

Trailing disc brake assembly, aluminium steering knuckle, inverter air-conditioning system for large and medium-sized buses, special rubber parts for automobiles, and key parts and components of the above parts and components

276. Automotive electronics R & D, manufacturing: engine and chassis electronic control systems and key components, electronic control system input (sensors and sampling systems) output (actuator) components, electric power steering system electronic controller, embedded electronic integrated system, electronically controlled air springs, electronically controlled suspension systems, electronic valve system devices, electronic combination instrumentation, ABS / TCS / ESP System, Circuit Brake System (BBW), Transmission Control Unit (TCU), Tyre Pressure Monitoring System (TPMS), On-Board Diagnostic Diagnostic (OBD), Engine Immobilisation System, Automatic Collision Avoidance System, Automotive and Motorcycle Type Test and Maintenance Inspection System, Autopilot System, On-Board Electronic Operating System (OBES), On-Board Electronic Operating System (OBES) Application Programming (APP), Head-Up Display (HHD) technology, automotive steering assist system, collision warning system (FCW), automatic brake control system (ABC) automatic emergency braking system (AEB), electronic parking brake (EPB), drive-by-wire system, adaptive cruise control (ACC), front-view camera system, wheel speed sensors

277. R&D and manufacturing of key components for new energy vehicles:
energy-type power battery monomer; battery cathode materials (specific capacity $\geq 180\text{mAh/g}$, cycle life 2000 times not less than 80% of the initial discharge capacity) and precursor materials, battery anode materials (specific capacity $\geq 500\text{mAh/g}$, cycle life 2000 times not less than 80% of the initial discharge capacity), battery separator (thickness $\leq 12\mu\text{m}$, porosity 35% ~ 60%); battery management system, motor controller, electric vehicles Electric control integration; electric vehicle drive motor system (high-efficiency zone: 85% working area efficiency $\geq 80\%$), automotive DC/DC (input voltage 100V~400V), high-power electronics (IGBT, voltage level $\geq 750\text{V}$, current $\geq 300\text{A}$) plug-in hybrid electromechanically coupled drive system; fuel cell engine (mass specific power $\geq 350\text{W/kg}$), fuel cell stack (volumetric specific power $\geq 3\text{kW/L}$), membrane electrodes (platinum dosage $\leq 0.3\text{g/kW}$), proton exchange membrane (Proton conductivity $\geq 0.08\text{S/cm}$), low platinum catalyst, carbon paper (resistivity \leq

3mΩ-cm), air compressor, hydrogen circulating pump, hydrogen ejector, humidifier, fuel cell control system, step-up DC / DC, 70MPa hydrogen cylinders, hydrogen concentration sensors on board; heat pump air conditioning for electric vehicles; motor drive control of 32-bit chip and above (not less than 2 hardware cores) The main frequency is not less than 180MHz, with hardware encryption and other functions, the chip design meets the requirements of functional safety ASIL C or above); integrated electric drive assembly (power density $\geq 2.5\text{kW/kg}$); high-speed reducer

(maximum input speed $\geq 12000\text{rpm}$, noise below 75dB); thermal management and control system (electric compressor, refrigerant combination valve, electronic water pump, high efficiency silent electronic cooling fan, high efficiency blower, new energy vehicle integration module, etc.); lithium battery aluminium-plastic film (thickness of $152\mu\text{m} \pm 10\%$, the outer layer of peel strength of $\geq 6.5\text{N/15mm}$, the inner layer of peel strength of $\geq 10\text{N/15mm}$, the inner layer of electrolyte resistance peel strength of $\geq 9.0\text{N/15mm}$, formability $\geq 5.5\text{mm}$) 15mm, inner electrolyte-resistant peel strength $\geq 9.0\text{N/15mm}$, formability $\geq 5.5\text{mm}$)

278. Vehicle chargers (full load output efficiency $\geq 95\%$), two-way vehicle chargers, non-vehicle charging equipment (output voltage 250V ~ 950V, voltage range efficiency $\geq 88\%$) and high power density, high conversion efficiency, high applicability of wireless charging, mobile charging technology development and equipment manufacturing

279. R&D and manufacturing of key components for intelligent vehicles: sensors, in-vehicle chips, central processors, in-vehicle operating systems and information control systems, vehicle network communication system equipment, visual recognition systems, wire chassis systems; new intelligent terminal modules, multi-core heterogeneous intelligent computing platform technology, sensor fusion sensing technology, automotive wireless communication key technologies, basic cloud control platform technology; new security isolation architecture technology, Hardware and software collaborative attack identification technology, terminal chip security encryption and application software security protection technology, wireless communication security encryption technology, secure communication and authentication and authorisation technology, data encryption technology; test and evaluation system architecture research and development, virtual simulation, real-vehicle road testing and other technologies and validation tools, vehicle-level and system-level test and evaluation methodology, and test and evaluation of basic database construction.

280. Manufacturing of hardware and key components related to L3/L4/L5 autonomous driving: LiDAR, millimetre wave radar, smart cameras

281. Manufacturing of charging piles and energy storage charging piles, development and manufacturing of integrated energy-saving facilities or solutions for charging/storage integration

(xx) Manufacture of railway, ship, aerospace and other transport equipment

282. Manufacture of emission control devices for large-displacement (displacement $>250\text{ml}$) motorbike engines that meet China's fourth-stage pollutant emission standards for motorbikes.

283. Civil aircraft design, manufacture and maintenance: mainline and regional aircraft, general aviation aircraft

284. Civil aircraft parts manufacturing and maintenance

- 285. Civilian helicopter design, manufacture
- 286. Civilian helicopter parts manufacturing
- 287. Manufacture of ground and surface effect vehicles and design and manufacture of unmanned aerial vehicles and floatplanes
- 288. Aircraft engines and components, aviation auxiliary power system design, manufacturing, maintenance
- 289. Development and production of new materials for aerospace
- 290. Civil aviation airborne equipment design and manufacture
- 291. Aviation ground equipment manufacturing: civil airport facilities, civil airport safety and security facilities, flight test ground equipment, flight simulation and training equipment, aviation test and measurement equipment, aviation ground test equipment, airborne equipment, comprehensive test equipment, aviation manufacturing special equipment, special equipment for the trial manufacture of aeronautical materials, civil aircraft ground receiving and application equipment, launch vehicle ground test equipment, launch vehicle mechanics and Environmental test equipment, no mop flying

Machine towing equipment, container loaders, aircraft de-icing equipment

292. Civil satellite design, manufacture, civil satellite payload manufacture

293. Civilian satellite component manufacturing

294. Hoshinami Product Testing Equipment Manufacturing

295. Design and research and development of large and medium-sized cruise ships and small cruise ships, as well as research and development and manufacturing of cruise ship interiors, digital audio-visuals, information technology systems and other specialised packages.

296. Design and research and development of new types of marine engineering equipment, such as deep-sea aquaculture platforms, large-scale aquaculture vessels and deep-sea mineral resources development equipment.

297. Design and development of clean energy and new energy power such as marine LNG dual-fuel power, pure battery power, hydrogen fuel cell power, methanol fuel power, ammonia fuel power, biomass fuel power, and so on.

298. Design and development of marine deck machinery and cabin equipment

299. Design and development of ship communication and navigation system equipment

300. Design, research and development of yachts and professional ancillary equipment

301. Overall design of intelligent systems for intelligent ships, as well as the design and development of intelligent sensing systems, intelligent navigation systems, intelligent energy efficiency management systems, etc.

302. Design, research and development of offshore oil and gas equipment such as deep-sea oil and gas drilling platforms (vessels), floating liquefied natural gas units (FLNG), floating storage and regasification units (FSRU), etc.

303. Offshore wind power equipment, marine new energy equipment (including tidal energy, wave energy, temperature difference energy, etc.) design, research and development

304. Design and development of specialised systems such as single point mooring systems, liquid cargo containment systems, underwater production systems, etc.

305. Design, research and development of green and intelligent equipment such as ship assembly construction precision management control, digital

shipbuilding, pre-outfitting and modularisation, efficient welding, green painting, ultra-high-pressure water descaling, intelligent welding production line, intelligent segmentation line, intelligent pipe processing production line, etc.

(xxi) Electrical machinery and equipment manufacturing

306. Manufacture of key auxiliary equipment for 1,000,000 kW ultra-supercritical thermal power units: safety valves, control valves

307. Design and manufacture of seals for thermal power plants

308. Manufacture of key auxiliary equipment for hydropower units

309. Manufacture of power transmission and transformation equipment and key components

310. New energy power generation equipment or key equipment manufacturing: photovoltaic power generation, photothermal power generation, geothermal power generation,

Tidal power, wave power, waste power, biogas generation and power generation;
large-size heterojunction matrix material manufacturing

311. Sterling Genset Manufacturing

312. Development and manufacture of linear and planar motors and their drive systems

313. High-tech green battery manufacturing: power nickel-metal hydride batteries, zinc-nickel batteries, sodium salt batteries, zinc-silver batteries, lithium-ion batteries, solar cells, fuel cells, etc.

314. Compressors for refrigeration and air-conditioning with direct-current motor technology, refrigeration and air-conditioning compressors with CO₂ natural gas, and refrigeration and air-conditioning equipment manufacturing with renewable energy sources (air, water and ground sources).

315. Manufacture of solar air-conditioning, heating systems and solar drying units

316. Biomass drying pyrolysis system, biomass gasification plant manufacturing

317. Manufacture of biogas feedstock pre-treatment and feeding, fermentation, purification, and biogas treatment equipment

318. Manufacture of AC frequency and voltage regulating traction units

319. High-voltage vacuum components and switchgear, intelligent medium-voltage switchgear and complete sets of equipment, insulated switchgear using environmentally friendly medium-voltage gases, intelligent (communicable) low-voltage electrical appliances, amorphous alloy, rolled iron core and other energy-saving distribution transformer manufacturing

(xxii) Manufacture of computers, communications and other electronic equipment

320. Manufacture of high-definition digital camcorders and digital sound amplification equipment

321. TFT-LCD, OLED, AMOLED, laser display, quantum dot, 3D display and other flat panel displays, display materials manufacturing (except for 6-generation and below 6-generation TFT-LCD glass substrate)

322. Polariser base film, diffusion film R&D, manufacturing

323. R&D and manufacturing of e-book materials (e-ink screens, etc.)

324. Manufacture of silicon single crystals 8 inches in diameter and larger

325. Wafer manufacturing 12 inches in diameter and larger

326. Manufacture of key components such as optical engines, light sources, projection screens, high-definition projection tubes and microdisplay projection equipment modules for large-screen colour projection displays

327. Manufacture of laser projection equipment

328. Ultra-high-definition and high-tech video product manufacturing: 4K/8K ultra-high-definition TV sets, 4K cameras, monitors, and interactive video, immersive video, VR video, cloud games and other high-tech video end-to-end key hardware and software.

329. Digital audio and video coding and decoding equipment, digital broadcasting and television studio equipment, digital cable television system equipment, digital audio broadcasting transmission equipment, digital television up- and down-converters, digital television terrestrial broadcasting single-frequency network

(SFN) equipment, satellite digital television uplink station equipment manufacturing

330. IC design, large-scale digital IC fabrication with line widths of 28nm and below, analogue, digital-analogue IC fabrication with line widths of 0.11 μ m and below, mask plate fabrication, MEMS and compound semiconductor IC fabrication, and advanced packaging and testing, such as BGA, PGA, CSP, MCM, LGA, SIP, FC, WLP, etc.

331. Large and medium-sized electronic computers, trillion high-performance computers, portable microcomputers, large-scale analogue simulation systems, industrial control machines and controller manufacturing

332. R&D and manufacturing of computer systems with new mechanisms such as quantum and brain-like mechanisms

333. Development and manufacture of key equipment for the manufacture of ultra-large-scale integrated circuits

334. IC packaging and test equipment manufacturing

335. Manufacture of computer digital signal processing systems and boards

336. Graphic image recognition and processing systems manufacturing

337. Development and manufacture of high-capacity optical and magnetic disk drives and their components

338. 100TB and above storage system manufacturing, 8TB and above SSD solid state drive manufacturing and intelligent storage equipment manufacturing.

339. Computer-aided design (3D CAD), electronic design automation (EDA), assisted testing (CAT) assisted manufacturing (CAM), assisted engineering (CAE) systems and other computer-applied systems for manufacturing

340. Software product development, production

341. Development and manufacture of electronic special-purpose materials (except development and manufacture of optical fibre preforms); surface packaging technology

(Development and manufacture of lead-free solder paste for SMT and high-purity (electronic grade) polysilicon materials.

342. Manufacture of electronic special-purpose equipment, test instruments, moulds and dies

343. Manufacture of new electronic components: chip components, sensitive components and sensors, frequency control and selection components, hybrid

integrated circuits, power electronics, optoelectronics, new electromechanical components, polymer solid capacitors, supercapacitors, passive integrated components, high-density interconnect laminates, single-layer, double-layer and multi-layer flexible boards, rigid-flexible printed circuit boards and sealing and loading boards, high-density, high-finesse line (line width / line spacing $\leq 0.05\text{mm}$) flexible circuit boards, etc. line spacing $\leq 0.05\text{mm}$) flexible circuit boards, etc.

344. Manufacturing and assembly of touch systems (touch screens, touch components, etc.)

345. Virtual reality (VR), augmented reality (AR), fusion reality (MR) equipment development, manufacturing

346. Light-emitting efficiency of 140lm/W or more high-brightness light-emitting diodes, light-emitting efficiency of 140lm/W or more light-emitting diode epitaxial wafer (blue), light-emitting efficiency of 140lm/W or more and the power of 200mW or more white light-emitting tube manufacturing

- 347. Development and production of key components for high-density digital optical disc machines
- 348. Production of recordable optical discs
- 349. R&D and manufacturing of 3D printing equipment and its key components
- 350. Manufacture of satellite communication system equipment
- 351. Manufacture of optical communication measuring instruments and optical transceivers with speeds of 40Gbps and above
- 352. Ultra-wideband (UWB) communications equipment manufacturing
- 353. Manufacture of wireless LAN (including WAPI support) and wide area network (WAN) equipment.
- 354. 100Gbps and above rate time-division multiplexing equipment (TDM), dense wavelength-division multiplexing equipment (DWDM) broadband passive network equipment (including EPON, GPON, WDM-PON, etc.), the next generation of DSL chips and equipment, optical cross-connect equipment (OXC), automatic optical switching network equipment (ASON), more than 40Gbps SDH optical fibre communication transmission equipment. Manufacturing
- 355. IPv6-based next-generation Internet system equipment, terminal equipment, testing equipment, software, chip development and manufacturing
- 356. The fourth and fifth generation and subsequent mobile communication system mobile phone, base station, core network equipment, optical transmission equipment, network testing equipment development, manufacturing
- 357. Development and manufacturing of visual sensors (digital cameras, digital cams, 3D sensors, LIDAR, millimetre wave radar, etc.) and their core components (optical lenses and lenses, lasers, photoreceptor chips, motors, opto-electronic modules, etc.) applied to the fifth generation of mobile terminals (mobile phones, automobiles, drones, virtual reality and augmented displays, etc.) and the terminals of the Internet of Things.
- 358. Cloud computing equipment (including servers, storage devices cloud and cloud service equipment high precision mechanism parts, etc.), software and system development
- 359. High-end routers with overall processing power greater than 6.4Tbps (bi-directional) and switching capacity greater than 40Tbps.
switch development, manufacturing

360. Manufacture of air traffic control system equipment

361. Based on sound, light, electricity, touch and other computer information technology, Chinese medicine electronic teaching equipment, virtual pathology, physiological model human equipment development, manufacturing

362. Manufacturing of wearable smart devices, smart unmanned aerial vehicles and other smart consumer devices

363. Smart Home Platform System and Equipment Manufacturing

364. Development and production of electronic grade glass fibre cloth for copper-clad laminates

365. Development and research of key software, data interoperability technology for different equipment interfaces, etc.

366. Wafer Fabrication and Regeneration

367. R&D and manufacturing of intelligent health and aging products (manufacturing of geriatric products and auxiliary products, manufacturing of geriatric medical devices and rehabilitation aids, manufacturing of intelligent and wearable devices for the elderly, etc.)

368. Organic polymer materials production: lithium-ion battery diaphragm; high-tech non-ferrous metal materials and their products production: compound semiconductor materials (gallium arsenide, gallium phosphide, indium phosphide, gallium nitride)

369. Development and production of high-purity electronic chemicals and high-performance photoresists

370. Development and production of functional glass with new technology: electromagnetic wave shielding glass, glass substrates for microelectronics, large-size quartz glass products for electronics (tubes, plates, dry pots, instruments and utensils, etc.), TFT-LCD substrate glass for 10.5 generation and above, high-performance lithium aluminium silicon glass, OLED glass, touch glass, flexible glass and other glass for electronic information display, and extreme materials and products for information technology (including waveguide). Quartz glass casing and ceramic substrate for high-precision optical fibre preforms (including waveguide)

371. Sapphire substrate R&D and production

(xxiii) Instrumentation manufacturing

372. Manufacture of soil moisture monitoring equipment

373. Manufacture of industrial process automation control systems and devices: fieldbus control systems, large-scale programmable controllers (PLC), two-phase flowmeters, solid flowmeters, new types of sensors and field measuring instruments

374. Automated, intelligent, multi-functional material mechanical properties testing instruments, industrial CT, three-dimensional ultrasonic flaw detector and other non-destructive testing equipment manufacturing

375. Development and manufacture of large precision instruments and high-

resolution microscopes (resolution less than 200nm).

- 376. Manufacture of high-precision digital voltmeters and ammeters (display range of seven and a half digits or more)
- 377. Automatic reactive power compensation device manufacturing
- 378. Manufacture of new instruments and equipment for safety production
- 379. VXI Bus Automated Test System (IEEE1155 compliant) Manufacturing
- 380. Development and manufacture of underground coal mine monitoring and disaster forecasting system and integrated management system for coal safety inspection
- 381. Manufacture of engineering surveying and geophysical observation equipment
- 382. Manufacture of environmental monitoring instruments
- 383. Wireless Remote Smart Water Meter Manufacturing
- 384. Reservoir Dam Safety Intelligent Monitoring Instrument Manufacturing

- 385. Manufacture of instruments and equipment for hydrological data acquisition, processing and transmission, and flood prevention and warning
- 386. Manufacture of instruments and equipment for marine exploration and monitoring
- 387. Manufacture of leakage monitoring instruments for municipal pipe networks and aqueducts
- 388. Nuclear Instruments, Instrumentation R&D and Manufacturing
- 389. Glow discharge mass spectrometer development and production
- 390. Transmission electron microscope development and production
- (xxiv) Comprehensive utilisation of waste resources**
- 391. Coal washing and comprehensive utilisation of fly ash (including desulphurisation gypsum), coal gangue, etc.
- 392. Production of fully biodegradable materials
- 393. Waste electrical and electronic products, automobiles, electromechanical equipment, rubber, metal, battery recycling treatment
- 394. Comprehensive Utilisation of Red Mud and Other Smelting Wastes
- 395. Recycling of decommissioned wind turbine blades and waste photovoltaic modules
- 396. Comprehensive Utilisation of Yellow River Sediment

IV. Electricity, heat, gas and water production and supply industry

- 397. Construction and operation of supportive and regulating power sources using single-unit ultra-supercritical units of 600,000 kilowatts and above
- 398. Construction and operation of power stations adopting back-pressure type cogeneration, heat, power, cooling and multiple cogeneration, and ultra (super) critical cogeneration units of 300,000 kilowatts and above.
- 399. Construction and operation of power generation projects with a single unit of 300,000 kilowatts and above, using clean coal such as circulating fluidised bed, pressurised fluidised bed and integrated coal gasification combined cycle power generation, as well as power generation projects using low calorific value coal such as gangue, medium coal and coal slurry, etc.
- 400. Construction and operation of large-scale hydroelectric power stations and

pumped storage power stations with a focus on power generation

401. Construction, operation of nuclear power plants

402. Construction and operation of new energy power stations (including solar energy, wind energy, geothermal energy, tidal energy, tidal current energy, wave energy, biomass energy, etc.)

403. Construction and operation of natural gas peaking power stations and natural gas distributed energy stations in areas where gas sources are realised

404. Development and application of complementary systems for gas-fired and renewable power generation

405. Construction and operation of waste-to-energy plants

406. Construction, operation of clean energy microgrids

407. Construction and operation of district energy supply (cooling and heating) projects driven by natural gas, electricity and renewable energy sources
408. Seawater use (direct seawater use, desalination), brackish water use
409. Consultancy design, investment, construction and operation of water supply plants
410. Consultancy, design, investment, construction and operation of water reclamation plants
411. Consultancy, design, investment, construction and operation of wastewater treatment plants, consultancy, design, investment, construction and operation of sludge treatment and disposal facilities
412. Construction and operation of motor vehicle charging stations and battery replacement stations
413. Hydrogen refuelling station construction, operation
414. Biogas project construction, operation
415. R&D, application and production of green plant insulating oils
416. R&D, manufacturing, construction and operation of new energy storage equipment (including lithium-ion batteries, liquid flow batteries, compressed air, flywheels, hydrogen energy storage and other types of energy storage technologies)
417. Integration of power source, grid, load and storage and construction of multi-energy complementary power sources

V. Transport, storage and postal services

418. Construction and operation of mainline railway networks and special railway lines
419. Construction and operation of intercity railways, urban (suburban) railways, resource-based development railways and feeder railways and their bridges, tunnels and station facilities, construction of ferries
420. Comprehensive maintenance of high-speed and intercity railway infrastructure
421. Construction, operation of roads, independent bridges and tunnels
422. Road cargo transport companies
423. Construction and operation of public port terminal facilities

- 424. Construction and operation of civil airports (excluding air traffic control)
- 425. Public Air Transport Corporation (PATA)
- 426. General aviation for agriculture, forestry and fisheries
- 427. International Maritime Transport Corporation
- 428. International maritime transport of cruise passengers
- 429. Construction of international intermodal container trans-shipment facilities and rapid trans-shipment and changeover equipment, standardised transport units

Research and development, promotion and application of

430. International ship management organisations, crew sending organisations

431. Construction and operation of oil (gas) pipelines and oil (gas) depots
(excluding aviation oil pipelines and depots)

432. Construction and operation of coal pipeline transport facilities

433. Construction of warehousing facilities related to logistics business,
especially automated elevated three-dimensional warehousing facilities,
construction and operation of integrated warehousing facilities related to
packaging, processing and distribution business

434. R&D and application of technology and equipment related to express
service and green packaging, R&D and application of green logistics facilities and
equipment

435. Pallet and container unit common system construction, operation

436. Rural and community logistics and distribution

437. Provision and application of logistics and related technical services such
as common distribution of general merchandise, cold-chain logistics of fresh and
live agricultural products, and low-temperature distribution of special
pharmaceutical products

438. Construction of import and export distribution and logistics centres for bulk
commodities

439. Construction of rural road passenger transport facilities and rural road
passenger transport companies

VI. Wholesale and retail trade

440. E-commerce retail (including cross-border e-commerce, excluding
pharmaceuticals and medical devices and other commodities under special
management by laws and regulations)

441. E-commerce supply chain companies (including cross-border e-
commerce, excluding pharmaceuticals and medical devices and other
commodities subject to special management by laws and regulations)

442. Unified distribution and distribution network construction for commercial
enterprises and catering enterprises

443. Helium operations

444. Construction and operation of automobile refuelling stations

445. Wholesale and retail of imported motor vehicles

446. Cultural and creative products retailing

VII. Information transmission, software and technology services

447. E-commerce system development and application services, construction and operation of various professional asset trading platforms

448. Online education, online medical care, online office system development and application services

VIII. Leasing and business services

449. International economic, science and technology, environmental protection, logistics information, business, accounting, tax consulting services

450. Engineering consultancy services

451. Outsourcing of information technology and business process outsourcing services such as system application management and maintenance, information technology support management, banking back-office services, financial settlement, software development, offshore call centre, data processing, etc., by undertaking outsourcing of services

452. Maintenance and repair of modern high-end equipment, digital production line modification and integration, specialised maintenance services and supply chain services

453. Conferences, exhibitions and related services

454. venture capital enterprise

455. Intellectual Property Services

456. Family services

457. Human resources services

458. Postnatal mother and child services at monthly child care centres

459. travel exhibition

460. Language services industry (including translation, localisation services, language technology development and application, language resources services, etc.)

IX. Scientific research, development and products, and technical service industries

461. Bioengineering and biomedical engineering technology, biomass energy development technology research and development

462. Development of DNA-encoded compound library technology

463. Veterinary and pet nutrition scientific research, technical services

464. R&D and application of artificial intelligence technologies such as smart devices, robots, neural network chips, neuron sensors, etc.

465. Isotope, radiation and laser technology research and development

466. Marine development and marine energy development technology, marine chemical resources comprehensive utilisation technology, related product development and deep processing technology, marine medicine and biochemical products development technology research and development

467. Marine monitoring technology (ocean wave, meteorological, environmental monitoring), seabed exploration and ocean resources exploration

Evaluation of technology development

468. Comprehensive use of concentrated seawater after desalination salt production, extraction of potassium, bromine, magnesium, lithium and its deep processing and other seawater chemical resources, such as high value-added use of technology research and development

469. Offshore oil pollution clean-up and ecological restoration technology and related product development, seawater eutrophication prevention and control technology, marine organisms explosive growth disaster prevention and control technology, coastal zone ecological environment restoration technology research and development

470. Research, development and application of energy-saving, environmental protection and circular economy technologies

471. Resource regeneration and comprehensive utilisation technology, R&D and application of reuse technology for enterprise production emissions

472. Research and development of environmental pollution control and monitoring technologies

473. Cleaner production technology development and services, traditional energy clean operation, engineering construction and technical services, cleaner production evaluation, certification and auditing

474. Carbon Capture Utilisation and Storage (CCUS) technology development and services

475. R&D and utilisation of integrated technologies for green building land saving and outdoor environment, energy saving and energy utilisation, water saving and water resource utilisation, material saving and material resource utilisation, indoor environment and operation management

476. Research, development and application of radioactive waste treatment technology

477. Specialised construction, operation and technical consultancy services for hazardous waste use and disposal facilities

478. New products and technologies for chemical fibre production and printing and dyeing processing, energy saving and consumption reduction, and three-waste management

479. Phosphogypsum Comprehensive Utilisation Technology R&D and

Application

- 480. Research and development of sand control and sand desert restoration technologies
- 481. Research and development of integrated grass-animal balance management technology
- 482. R&D and Application of Resourceful Comprehensive Utilisation Technology for Modern Animal Husbandry Waste
- 483. Development and application of new application technologies for pesticides
- 484. Civilian satellite application technology research and development
- 485. Inspection, testing and certification services
- 486. Research and Development Centre
- 487. Centre for High Technology, New Product Development and Business Incubation
- 488. Research, development and application of fifth-generation mobile communications technology
- 489. Research, development and application of Internet of Things (IoT) technology
- 490. Blockchain technology development and application
- 491. Creative industries such as industrial design, architectural design, fashion design, etc.

- 492. Town and country planning preparation services (except city and town masterplanning services)
- 493. Low-carbon, environmentally friendly, green, energy-saving and water-saving advanced system integration technologies and services
- 494. Development and application of environmentally friendly technologies
- 495. Professional Design Services

X. Water, environment and utilities management industry

- 496. River and lake water environment management, water ecology restoration and management protection and operation
- 497. Construction and operation of urban closed roads
- 498. Construction and operation of urban metro, light rail and other rail transport
- 499. Construction and operation of waste treatment plants, hazardous waste treatment and disposal plants (incineration plants, landfills) and environmental pollution control facilities
- 500. Construction and operation of urban parking facilities
- 501. Construction and operation of public transport systems such as taxis, trams and buses

XI. Education

- 502. Non-degree vocational training institutions
- 503. Non-academic language training organisations (except for primary and secondary school students and pre-school children aged 3 to 6)
- 504. Non-academic arts training organisations (except for primary and secondary school students and pre-school children aged 3 to 6)
- 505. Vocational institutions (including technical schools)

XII. Health and social work

- 506. Services for persons with disabilities and children (except child welfare institutions, institutions for the relief and protection of minors, and adoption registration agencies)
- 507. Elderly services (including home-based community elderly care services, institutional elderly care services, and the construction and operation of elderly

care institutions and community elderly care institutions)

508. medical institution

509. Psychiatric Rehabilitation Institutions

510. Psychological counselling services

511. Rehabilitation institutions for children with autism

512. Adaptation of homes for the elderly, adaptation of the living environment for the elderly, adaptation of public facilities for the elderly and accessibility modifications

513. Professional education related to elderly care services, elderly care service skills training, home care skills training, gerontological education

raise or bring up

XIII. Culture, tourism, sports and recreation

514. Operation of performance venues

515. Stadium operation, fitness, competition performance and sports training and intermediary services

516. Tourism infrastructure development and tourism information services

517. Tourist attraction management, intelligent scenic area construction and service industry

518. Construction, operation and management of outdoor sports camps and other fitness venues and facilities

519. Research, development, popularisation and promotion of intelligent sports products and services

Catalogue of Advantageous Industries for Foreign Investment in Central and Western Region

Shanxi Province

1. Pasture and fodder crop cultivation and further processing

2. Small grains, potato cultivation and product development, production

3. Development of follow-up industries for national key ecological projects such as returning farmland to forests and grasslands, natural forest protection, etc.

4. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application

5. Ecosystem restoration and reconstruction project in mining areas

6. Comprehensive utilisation of non-metallic minerals (kaolin, limestone, silica, quartz sand) (except exploration and mining)

7. Development and manufacture of production equipment (meteorological

precipitation, carbonisation and sintering, etc.) for carbon-based materials such as graphene and carbon fibres (composites).

8. Comprehensive development and utilisation of coalbed methane and coal associated resources
9. Coal-to-liquid fuel production
10. Comprehensive Utilisation of Coke By-products
11. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibre and the research and development and testing of related products
12. Deep processing of natural medicines, APIs and proprietary Chinese medicines (excluding confidential prescriptions)

13. Basalt fibre production
14. High-grade glass products, high-tech ceramics (including industrial ceramics) technology development and product production
15. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)
16. Comprehensive utilisation, finishing and application of non-metallic minerals (bauxite, mannite, refractory clay, perlite) (except exploration and mining)
17. Deep processing of magnesium, aluminium and other non-ferrous metals
18. Production of stainless steel products
19. Automotive parts and components manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follower headlight systems, LED headlights, lightweight material applications, clutches, hydraulic shock absorbers, centre console assemblies, seats, motors and control systems, active safety and automatic driving control systems, fuel cell systems and components
20. Development and production of new steel materials such as steel for high-speed trains and amorphous strips
21. Production of aluminium alloy materials and products
22. Production of wire rope core rubber conveyor belts
23. Hydraulic technology systems and mould production
24. Manufacture of small and medium-sized agricultural machinery and ancillary implements for drylands and mountains
25. Design and fabrication of containerised energy storage tanks for photovoltaic solar power stations
26. More than three-axis linkage of high-speed, precision CNC machine tools and supporting CNC systems, servo motors and drives, functional components, cutting tools, gauges, gauges and high-grade abrasives production
27. Production of large-scale coal mining equipment and explosion-proof electromechanical products
28. Production of nuclear power material transfer equipment and ancillary components
29. Production and processing of new medical equipment and medical materials
30. Manufacture of power supply and distribution equipment for metal mines,

including design and manufacture of IP65 rated outdoor electrical equipment, design and manufacture of outdoor pre-assembled electrical rooms, design and manufacture of unmanned pre-assembled electrical rooms, design and manufacture of mobile electrical rooms, design and manufacture of outdoor/underground skid-mounted HV and LV distribution centres, manufacture and programming of PLC programmable systems

31. Technology development and production of intelligent terminal products and key components such as smart phones and tablet PCs.
32. Manufacture of optical communication products
33. Comprehensive Utilisation of Washed Coal, Coke Oven Gas Waste Heat for Power Generation, Heat Supply, etc.

34. Comprehensive Utilisation of Thermal Power Plant Waste, etc.
35. Geothermal energy development, production, utilisation
36. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
37. Road passenger transport companies
38. Construction and operation of city gas, heat and water supply and drainage networks
39. R&D and production application of energy storage technologies (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)
40. Biomass development, production, utilisation
41. Training and intermediary services for artistic performances and industrialised development of cultural goods and equipment, etc.
42. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
43. Development and Utilisation of Cultural, Tourism and Recreational Industries

Inner Mongolia Autonomous Region

1. Construction of standardised facility vegetable bases and intensive vegetable nurseries
2. Planting and further processing of forage crops
3. Production and processing of green agricultural and livestock products (dairy, meat, velvet, hides and skins, potatoes, fruits and vegetables)
4. Sand industries such as sand herbs, ecological and economic forests in the sand area, melons and fruits in the sand area, facility agriculture in the sand area, sand materials and building materials, new energy sources in the sand area, and desert tourism and recreation
5. Development of follow-up industries for national key ecological projects such as returning farmland to forests and grasslands, returning pastures to grasslands, natural forest protection, returning fields to lakes, returning farmland to wetlands, desertification control, etc.
6. Development and application of water-saving irrigation and dry farming water-saving technologies, conservation tillage, transformation of low and medium

yielding fields, saline and alkaline land improvement, etc.

7. Deep processing of copper, lead, zinc, magnesium, aluminium and other non-ferrous metals

8. Non-metallic minerals (kaolin, rhodochrosite, bentonite, dolomite, graphite, perlite, zeolite) comprehensive utilisation, finishing and application (except exploration and mining)

9. High-grade textile, knitting and garment production and processing of cotton, wool, velvet, linen, silk and synthetic fibre and the research and development and testing of related products

10. Comprehensive development and utilisation of coalbed methane and coal associated resources

11. Development and utilisation of clean coal technology products and ancillary processing services (coal gasification, liquefaction, coal water slurry.)

(industrial coal)

12. Development and utilisation of natural gas downstream chemical products (except those listed in the restricted and prohibited categories of the Natural Gas Utilisation Policy)

13. Production of more than 300,000 tonnes/year of PVC by oxychlorination of ethylene and chlorine, development and application of comprehensive utilisation technologies such as chlorine production from waste hydrochloric acid.

14. Development and production of high-performance silicone oils, silicone rubbers and resins, high-quality fluorine resins, high-performance fluorine rubbers, fluorine-containing fine chemicals and high-quality fluorine-containing inorganic salts.

15. Silicon material production and its applications

16. Development, protection and sustainable use of plant and animal medicinal resources: construction of planting bases for local medicinal herbs and special Mongolian medicinal herbs in Inner Mongolia, construction of conservation bases for endangered medicinal plants, construction of seedling bases, and construction of research and development centres for extract factories for local medicinal herbs

17. Production of ethnic minority special needs items, arts and crafts, packaging containers and materials, daily-use glass products, and souvenirs of special tourist commodities

18. Carbon fibre product production and its applications

19. Manufacture of natural gas compressors (including coal bed methane compressors)

20. High-performance steel pipe for oil and gas with special buckling process

21. Research and development of Mongolian medicine and Mongolian medical equipment

22. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")

23. Automotive parts and components manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follower headlamp systems, LED headlamps, lightweight material applications

(high-strength steel, aluminium-magnesium alloys, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies and seats.

24. R&D and production application of energy storage technologies (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)

25. Solar and wind power generation equipment and parts manufacturing

26. Comprehensive Utilisation of Washed Coal and Coke Oven Gas Waste Heat for Power Generation and Heating

27. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)

28. Road passenger transport companies

29. Construction and operation of city gas, heat and water supply and drainage networks

30. Higher education institutions
31. Animation creation, production and derivatives development
32. Services such as construction of cultural performance venues and training in artistic performances
33. Construction of stadium facilities, operation of sports events (excluding e-sports) and sports fitness and leisure services
34. Healthcare Tourism Development
35. Ice, snow, forest, grassland, desert ecotourism resources development, construction and operation
36. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
37. Projects on deep processing of resources in resource-exhausted cities and succession industries, etc.

Liaoning Province

1. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
2. Development of follow-up industry for national key ecological projects such as returning farmland to forest and grassland.
3. Development and Application of Digital Intelligent Farming Technology for Livestock and Poultry
4. Quality malt production base construction and beer production
5. Magnesium and zircon processing and comprehensive utilisation
6. Processing and production of high-grade textiles, knitwear, garments and clothing accessories made of cotton, wool, linen, silk and synthetic fibres, and R&D and testing of related products
7. Biomedical technology development, production, deep processing of natural medicine, raw materials, proprietary Chinese medicine (excluding confidential prescriptions)
8. Production of high-performance radial tyres: tubeless load radials, low profile and flat (below 55 series), high-performance car radials with large rims (from 15 inches), aviation tyres and agricultural radials
9. Aluminium alloy, titanium alloy melting and deep processing

10. Production of stainless steel products
11. Metal Packaging, Automated Stereo Warehouse and Warehouse Logistics Equipment Manufacturing
12. Manufacture of environmental protection equipment (air, wastewater, solid waste treatment equipment) and its solution application
13. Intelligent measurement and control devices and key components manufacturing
14. Manufacture of servo devices for high-grade CNC machine tools
15. Automotive parts manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follow-on headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminium-magnesium alloys, composite plastics, powders).

(metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies, seats, automotive active and passive safety protection devices, automotive start-stop motors, new energy vehicle drive and control systems, and on-line self-adhesive production of stators and rotors for high-efficiency and ultra-high-efficiency motors.

16. Production and processing of new medical equipment and medical materials
17. Deep processing of high-precision copper, aluminium and alloy plates and strips
18. Design, development and manufacture of non-volatile memories
19. Production and processing of compound semiconductor materials
20. Product development and applications related to digital healthcare systems, community care, and personal health maintenance
21. R&D and production application of energy storage technologies (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)
22. Biomass development, production, utilisation
23. Ship management, shipping brokerage and other modern high-end shipping service industries
24. Road passenger transport
25. Construction and operation of road freight yard facilities
26. Provision and application of cold chain logistics and related technical services for fresh and live agricultural, forestry, animal husbandry and fishery products
27. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
28. Construction and operation of city gas, heat and water supply and drainage networks
29. Water conservation technology transformation, technology research and development, and promotion and application
30. Digital audio-visual and digital home product development (except cable television networks and network audio-visual programme services)
31. Higher education institutions
32. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities

33. Projects on deep processing of resources in resource-exhausted cities and succession industries, etc.
34. Development of hot spring resources and construction and operation of hot spring resorts

Jilin province in northeast China

1. Development and application of water-saving irrigation and dry farming water-saving technologies, conservation tillage, transformation of low and medium yielding fields, saline and alkaline land improvement, etc.
2. Development and production of agricultural products such as oats, quinoa, mung beans, red beans and other miscellaneous grains and pulses
3. Ginseng, antlers, mountain grapes, nuts, mountain vegetables, blueberries, mushrooms, forest frogs, quassia, honey, five

Development and production of Changbaishan special ecological food and drinks, such as Mizutaki and Dandelion.

4. Wood processing using offshore resources
5. Livestock breeding and production and processing
6. Beer manufacturing industry
7. Production of natural mineral water for drinking
8. Diatomaceous earth resources development and comprehensive utilisation (except exploration and mining)
9. Development of deep processing technology and production of animal bone products
10. High-grade textile, knitting, garment and garment semi-finished products processing and production of cotton, wool, linen, silk and synthetic fibre and the research and development and testing of related products
11. Lignite Wax Extraction
12. Development, conservation and sustainable use of plant and animal medicinal resources
13. R&D and production and processing of biodegradable bio-based materials and products
14. Development and production of glufosinate and glufosinate intermediates
15. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)
16. Carbon fibre raw yarn, carbon fibre production and auxiliary materials required for its production, production of carbon fibre composites and their products
17. Production of viscose staple fibres and viscose filaments
18. Production and development of new basalt fibre materials
19. Production of high-performance radial tyres: Tubeless load carrying radials, low profile and run-flat (below 55 series), high performance car radial tyres with large rims (over 15 inches), aviation tyres and agricultural radial tyres.
20. Production of aluminium alloy materials and products
21. Production of energy-saving products such as LEDs and new components
22. Biomedical technology development and production, modern Chinese medicine products production

- 23. Development and production of medical equipment and key components
- 24. Production of snow and ice sports and tourism goods
- 25. Ropeways, cable cars, amusement rides and other tourist equipment manufacturing
- 26. Manufacture of heat exchanger equipment
- 27. Manufacture of automotive parts and components: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, followers

Headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminium-magnesium alloys, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies, seats

28. Development of automotive wiring harness processing technology and product production

29. Manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, vans and barn-type vehicles) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")

30. Technology development and production of intelligent terminal products and key components such as smart phones and tablet PCs.

31. Biomass development, production, utilisation

32. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)

33. Road passenger transport companies

34. Automotive Financial Services

35. Construction and operation of city gas, heat and water supply and drainage networks

36. Higher education institutions

37. Animation creation, production and derivatives development

38. Development of snow and ice tourism resources and construction and operation of ski slopes, hotels and other ancillary facilities

39. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities

40. Development of hot spring resources and construction and operation of hot spring resorts

41. Development and operation of tourism and leisure agriculture and construction of its supporting facilities

42. Projects on deep processing of resources in resource-exhausted cities and succession industries, etc.

43. Performing arts training, intermediary services

Heilongjiang province

1. Development of follow-up industries for national key ecological projects such as returning farmland to forests and grasslands, natural forest protection, etc.
2. Research, development and innovation of black land conservation and utilisation technologies
3. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
4. Ecosystem restoration and reconstruction project in mining areas
5. Wood processing and wood products production using resources from outside the country
6. Manganese and Iron Ore Beneficiation and Comprehensive Utilisation
7. Breeding and processing of high-grade beef cattle
8. Production of natural mineral water for drinking, production of natural soda water

9. Sugar beet processing 3000 tonnes per day and above and comprehensive utilisation of sugar beet and by-products
10. Potato breeding and deep processing
11. Green food production
12. Production of dairy products such as milk powder, cream, cheese, liquid milk, functional milk, etc.
13. Nutritious soya milk powder, traditional soya products, functional protein products, soya lecithin and other non-GMO soya products production and processing
14. Biomedical technology development, production, deep processing of natural medicine, raw materials, proprietary Chinese medicine (excluding confidential prescriptions)
15. Production of ethnic minority speciality goods, arts and crafts and souvenirs of speciality tourist commodities
16. Production of snow and ice sports and tourism goods
17. R&D and production of art ceramics, daily-use ceramics and industrial ceramics
18. High-end applications and deep processing of graphite
19. Comprehensive utilisation of non-metallic minerals (kaolin, limestone, silica, quartz sand) (except exploration and mining)
20. Research and development of new non-metallic mineral materials industry technology
21. Graphene, carbon fibres (including composites) and other carbon-based materials R & D and production and manufacturing of end products
22. Development and production of new silicon-based and photovoltaic materials
23. Processing of titanium products
24. Manufacture of cutting tools, gauges and edged tools
25. Production of modern agricultural equipment and ancillary farm machinery: high-powered tractor parts, rice transplanter and other planting machinery, corn harvester, grain combine harvester, other harvesters and ancillary components
26. Production of high-performance radial tyres: tubeless load carrying radials, low profile and flat (below 55 series), high performance car radial tyres with large rims (over 15 inches), aviation

tyres and agricultural radial tyres.

- 27. Gas turbine R&D, manufacturing
- 28. Manufacture of snow and ice removal equipment
- 29. Manufacture of precision and ultra-precision machine tools
- 30. Manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, vans and barn-type vehicles) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")
- 31. Automotive parts manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follow-on headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminium-magnesium alloys, composite plastics, powders).

(metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies, seats, electronic combination instruments

32. Development and production of medical equipment and key components

33. Biomass development, production, utilisation

34. Production of nuclear power equipment: R&D and production of key ancillary components such as nuclear power motors, cables, nuclear island in-heap components, etc.

35. Grid Intelligent Management Control System Equipment Manufacturing

36. Digital economy-related industries (not involving network audiovisual programme services): digital commerce, intelligent logistics and other Internet production services, intelligent manufacturing technology research and development, construction of public service platforms and enterprise innovation and empowerment centres, animation and other digital content services

37. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)

38. Road passenger transport companies

39. Higher education institutions

40. Construction and operation of city gas, heat and water supply and drainage networks

41. Animation creation, production and derivatives development

42. Industrialisation and development of cultural performances, arts performance training and intermediary services

43. Construction of stadium facilities, operation of sports events (excluding e-sports) and sports fitness and leisure services

44. Forest, snow and ice tourism resources development and ski resort construction and operation

45. Development of hot spring resources and construction and operation of hot spring resorts

46. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities

47. Development and operation of tourism and leisure agriculture and construction of supporting facilities

48. Projects on deep processing of resources in resource-exhausted cities and

succession industries, etc.

49. healthcare industry

50. Cold-land industries such as cold-land speciality bio-industry and cold-land testing

Anhui

1. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application

2. Comprehensive utilisation of coal associated resources such as kaolin, coalbed methane (gas), mine water and natural coke (except exploration and mining)

3. Non-metallic minerals (calcite, bentonite, kaolin, bumpy clay, limestone, quartz sand) integrated

Utilisation (except for
exploration and
exploitation)

4. Green food production

5. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibre and the research and development and testing of related products

6. R&D and production of functional and environmentally friendly recycled polyester filament yarns

7. Manufacture of leather shoes, sports shoes and other whole shoes

8. Deep processing of natural medicines, APIs and proprietary Chinese medicines (excluding confidential prescriptions)

9. Coal tar deep processing

10. R&D and manufacturing of new materials such as nanomaterials

11. Energy-saving and environmentally friendly refractory production in Changshou

12. Copper, zinc, aluminium and other non-ferrous metal deep processing and comprehensive utilization

13. Manufacture of high-grade seamless steel pipes and oil well pipes

14. Printing of packaging and decorations

15. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)

16. Production of bio-liquid fuels (fuel ethanol, biodiesel) using cassava, jatropha, rubber seeds and other non-food plants as feedstock

17. Production of high-performance radial tyres: truck tyres, tubeless heavy-duty radials, low profile and run-flats (less than 55 series), high performance car radials with large rims (over 15"), aviation tyres and agricultural radials

18. High-end medical devices, medical dressing manufacturing

19. Automotive parts and components manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follower headlamp systems, LED headlamps, lightweight material applications (high-strength steel, aluminium-magnesium alloys, composite plastics, powder

metallurgy, high-strength composite fibres, aluminium matrix composites, etc.), clutches, hydraulic shock absorbers, centre console assemblies, seats and bearings.

20. Manufacture of new dry-process cement equipment

21. Development and manufacture of electric forklift trucks, hydraulic excavators over 30 tonnes, and spare parts

22. Gas turbine R&D, manufacturing

23. 5 million tonnes/year and above mine, thin coal seam integrated mining equipment, 10 million tonnes/year and above large-scale

Decentralised control system (DCS) for major technical equipment such as key equipment for open-pit mines; large metallurgical complete equipment

24. Manufacture of mineral processing equipment and large-scale metallurgical equipment for difficult-to-select metallic minerals
25. Development and production of medical equipment and key components
26. Development and production of household appliances with national energy efficiency class 1 or class 2.
27. R&D and manufacturing of upstream and downstream products of semiconductor lighting materials and related equipment
28. Integrated circuit materials, equipment, chip manufacturing and compound semiconductor materials, device R & D, manufacturing
29. R&D and manufacturing of flat panel displays and upstream and downstream materials, components and equipment
30. Technology development and production of intelligent terminal products and key components such as smart phones and tablet PCs.
31. Intelligent voice, quantum communication and other equipment development, manufacturing
32. Manufacture of basic materials such as adhesive film (EVA) for module components, photovoltaic glass, backsheets, junction boxes, etc.
33. R&D and production of new materials for energy conversion in the new energy field
34. Creative industries such as engineering survey and design, graphic design and automatic control system design
35. Recycling of waste paper
36. Biomass development, production, utilisation
37. Road passenger transport companies
38. travel agents
39. Higher education institutions
40. Animation creation, production and derivatives development
41. Construction and operation of city gas, heat and water supply and drainage networks
42. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities

43. Projects on deep processing of resources in resource-exhausted cities and succession industries, etc.

Jiangxi

1. Cultivation and deep processing of plants with special characteristics and advantages such as navel oranges, mandarin oranges, sweet pomelo, tea, glossy trees, oil tea, ramie, bamboo, yam, buckwheat, lotus, kudzu, peanuts, sesame seeds, mugwort, etc., as well as local medicinal herbs and dual-use medicinal crops.
2. Primary or deep processing of garden flowers
3. Production of natural mineral water for drinking
4. Development and production of selenium-enriched agricultural and food products
5. Copper ore beneficiation, associated elements extraction and deep processing and recycling

6. Deep processing of non-metallic mineral products such as kaolin, powdered quartz, wollastonite, seafoam, chemical dolomite, granite, lapis lazuli, etc.

7. Fluorosilicone organic material research and development, production

8. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibres and the research and development and testing of related products

9. Wooden furniture design, processing of wooden furniture using wood resources from outside the country

10. Crafts, gardening supplies, bamboo and wood products production

11. Development and production of bags and clothing accessories

12. Manufacture of leather shoes, sports shoes and other whole shoes

13. Single chemical wood pulp 300,000 tonnes / year and above, chemical mechanical wood pulp 100,000 tonnes / year and above, chemical bamboo

The integrated forest and paper production line with 100,000 tonnes of pulp/year and above and the corresponding supporting paper and paperboard production line (newsprint.),

(except coated paper) construction, the use of clean production processes, non-wood fibre as raw material, a single 100,000 tonnes / year and above the construction of pulp production lines

14. Bio-liquid fuel production from cassava plants with an annual capacity of more than 100,000 tonnes

15. Use of tungsten, nickel, cobalt, tantalum, niobium and other rare metal resources for deep processing, production of applied products and recycling

16. Production of more than 300,000 tonnes/year of PVC by oxychlorination of ethylene and chlorine, development and application of comprehensive utilisation technologies such as chlorine production from waste hydrochloric acid.

17. R&D and production of natural medicines, APIs and proprietary Chinese medicines (excluding confidential prescriptions), and the first development and utilisation of generic medicines to meet the needs of major and multiple diseases in China.

18. R&D and production of art ceramics, daily-use ceramics and industrial ceramics

19. Production of high-performance radial tyres: tubeless load carrying radials,

low profile and flat (below 55)

series), high performance car radial tyres with large rims (over 15 inches), aviation tyres and agricultural radial tyres.

20. Printing of packaging and decorations

21. R&D and production of communication terminal products and components

22. Manufacture of copper-clad laminates for new electronic components

23. Automotive parts and components manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follower headlight systems, LED headlights, lightweight material applications (high-tensile steel, aluminium-magnesium alloys, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies and seats.

24. Development and production of medical equipment and key components

25. Air-conditioning, energy-efficient compressors and parts production
26. Manufacture of solar power generation equipment and components
27. R&D, manufacturing and engineering installation of distributed energy storage equipment based on new energy batteries such as lithium batteries, sodium batteries, aluminium batteries, etc.
28. Semiconductor chip upstream and downstream product development and production
29. R&D and manufacturing of upstream and downstream products of semiconductor lighting materials and related equipment
30. Lithium batteries and other lithium products production of special equipment research and development, manufacturing
31. R&D, application and manufacturing of optical components and coating technologies
32. Photovoltaic power generation system integration technology development and application
33. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
34. Road passenger transport companies
35. New types of distribution, such as commercial chain management and cross-regional agency management
36. Vocational and skills training services based on virtual reality (VR) or augmented reality (AR) equipment
37. Animation creation, production and derivatives development
38. Leisure industries such as health and leisure services and leisure tourism
39. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
40. Cultural creativity based on virtual reality (VR) or augmented reality (AR) equipment (not involving network audio-visual programme services), including software, hardware development and the design, production and sale of related virtual products and reality peripheral products

Henan

1. Cultivation and processing of superior and speciality agricultural products

and medicinal and food crops such as high-quality tea, willow, garlic, peanuts, chrysanthemums, honeysuckle, raspberries, dogwoods, kiwi fruit, mushroom paste, vermicelli, sesame seeds, edible fungi, mandarin oranges, apricot pears, soft-seeded pomegranates, etc.

2. Development of follow-up industries for national key ecological projects such as returning farmland to forests and grasslands, natural forest protection, etc.
3. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
4. Production of flavoured noodles and rice products
5. Deep processing of non-ferrous metals such as copper, magnesium, zinc, aluminium, lead, precious metals, etc.
6. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and chemical fibres and research and development of related products,

sensing

7. Product development and production of coalbed methane (coal mine gas) extraction and utilisation technology
8. Comprehensive Utilisation of Coke By-products
9. Manufacture of superhard material products
10. Deep processing of natural medicines, APIs and proprietary Chinese medicines (excluding confidential prescriptions)
11. Digital Packaging and Decoration Printing
12. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)
13. Production of high-performance radial tyres: tubeless load carrying radials, low profile and flat (below 55 series), high performance car radial tyres with large rims (over 15 inches), aviation tyres and agricultural radial tyres.
14. R&D and manufacturing of production equipment (meteorological precipitation, carbonisation sintering, etc.) for graphene, carbon fibres (including composites) and other carbon-based materials, R&D and production of graphene, carbon fibres (including composites) and other carbon-based materials, as well as manufacturing of end-products
15. Production, R&D and testing in the hydraulic pipe industry
16. Automotive parts and components manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follower headlamp systems, LED headlamps, lightweight material applications (high-strength steel, aluminium-magnesium alloys, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies and seats.
17. Production and processing of new medical equipment and medical materials
18. Research, development and production of anti-epidemic and protective products and their production equipment
19. Silicon-based materials production, processing and applications
20. More than three-axis linkage of high-speed, precision CNC machine tools and supporting CNC systems, servo motors and drives, functional components, cutting tools, gauges, gauges and high-grade abrasives production

21. Intelligent modern agricultural equipment and supporting farm machinery production

22. Wheeled tractors over 300 hp equipped with CVT, manufacturing of key components for tractors over 300 hp: CVT tractor engines, gearboxes, hydrodynamic joint control systems, dual-input and dual-output CVTs.

23. 5 million tonnes / year and above mine, thin coal seam integrated mining equipment, 10 million tonnes / year and above large-scale open-pit mine key equipment; 12,000 metres and above deep well drilling rigs, polar drilling rigs, high displacement deep well desert drilling rigs, drilling rigs for swampy hard-to-access areas, marine drilling rigs, truck-mounted drilling rigs, drilling rigs for special drilling technology and other drilling rigs complete sets of equipment

provide or equip

24. Manufacture of automation equipment for integrated power management
25. Manufacture of solar photovoltaic products
26. Development and production of smartphones, tablet PCs and other smart terminals and key components
27. Manufacture of air-conditioners, refrigerators, energy-efficient compressors and parts thereof
28. Biomedical technology development, production
29. Biomass development, production, utilisation
30. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
31. Construction and operation of road freight yard facilities
32. Road passenger transport companies
33. Creative Design, Industrial Design, Software Design and Production
34. Higher education institutions
35. Animation creation, production and derivatives development
36. Construction and operation of city gas, heat and water supply and drainage networks
37. Development and operation of tourism agriculture, leisure agriculture, facility agriculture and the construction of their supporting facilities
38. Healthcare Tourism Development
39. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities

Hubei Province

1. Agricultural, forestry, animal husbandry and fishery speciality industry development, research and development, processing and export (excluding food crops)
2. Selection of new crop varieties and seed production
3. Tea planting, processing and purchasing services
4. Conservation Tillage Technology Development and Application
5. Production of natural mineral water for drinking
6. Development and production of selenium-enriched agricultural and food

products

7. Technology development of high-grade textiles and garment technology

8. Nonwovens and medical textiles production

9. Development, protection and sustainable use of animal and plant medicinal materials and health care resources, research and development of plant flowers, leaves, roots and stems, and deep processing of oil extraction from seeds.

10. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibre and the research and development and testing of related products

11. Manufacture of leather shoes, sports shoes and other whole shoes

12. Printing of packaging and decorations

13. Biomedical technology development, production

14. R&D and manufacturing of production equipment (meteorological precipitation, carbonisation sintering, etc.) for graphene, carbon fibres (including composites) and other carbon-based materials, R&D and production of graphene, carbon fibres (including composites) and other carbon-based materials, as well as manufacturing of end-products

15. Turquoise Fine Processing

16. Extended processing and recycling of copper and other non-ferrous metal products

17. Development and deep processing of special varieties of high-quality glass (ultra-white, ultra-thin, online Low-E, hollow, extra-thick)

18. Manufacture of watches and clocks

19. Ceramic sanitary ware production

20. Manufacture of air-conditioners, energy-efficient compressors and components

21. Energy saving, water saving, environmental protection equipment manufacturing and its solution application

22. Development and manufacturing of automotive parts and components: automatic transmissions with more than six speeds, high power density drive axles for commercial vehicles, follower headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminium-magnesium alloys, carbon fibre, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic dampers, automotive power steering gears, centre console assemblies, seats, and products related to the fuel common rail injection system, Turbocharged engines, electric motors and control systems, active safety and automatic driving control systems and their key components and parts.

23. Automotive compressed hydrogen plastic liner carbon fibre fully wound cylinder

24. Production of high-performance radial tyres: tubeless load carrying radials, low profile and flat (below 55 series), high performance car radial tyres with large rims (over 15 inches), aviation tyres and agricultural radial tyres.
25. More than three-axis linkage of high-speed, precision CNC machine tools and supporting CNC systems, servo motors and drives, functional components, cutting tools, gauges, gauges and high-grade abrasives production
26. Manufacture of special steel wire ropes and cables (average tensile strength $>2200\text{MPa}$)
27. Laser medical device development and manufacturing
28. Manufacture of high-end oil and gas extraction equipment (oil machinery fracturing equipment)

29. Product development and applications related to digital healthcare systems, community care, and personal health maintenance
30. Flexible display, display material production
31. Manufacture of solar power generation equipment and components
32. Optoelectronics technology and products (including optical fibre preforms, semiconductor light-emitting diodes LED) development and manufacturing
33. Integrated circuit materials, equipment, chip manufacturing and compound semiconductor materials, device R & D, manufacturing
34. R&D and manufacturing of lithium resource processing and related lithium products
35. Comprehensive Utilisation of Pharmaceutical Chemical Raw Material Waste Gas, Waste Liquid and Waste Slag
36. Production and processing of new medical equipment and medical materials
37. R&D and production of anti-epidemic and protective products
38. Development and construction of enterprise food safety traceability system
39. Biomass development, production, utilisation
40. R&D and production application of energy storage technologies (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)
41. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
42. Road passenger transport companies
43. Development and application of integrated optical storage and charging system and charging equipment technology for new energy vehicles
44. New types of distribution, such as commercial chain management and cross-regional agency management
45. Animation creation, production and derivatives development
46. Construction and operation of city gas, heat and water supply and drainage networks
47. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
48. Healthcare Tourism Development

Hunan

1. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
2. Planting and processing of woody oilseeds such as oil tea
3. Development and construction of enterprise food safety traceability system
4. Construction and operation of the whole industry chain in the agri-food industry
5. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibres and the research and development and testing of related products

6. Manufacture of leather shoes, sports shoes and other whole shoes
7. Development and production of bags, toys, wigs and speciality handicrafts
8. Bamboo and wood high-end environmentally friendly furniture, restructured bamboo, outdoor bamboo, disposable tableware, bamboo fibre product development and manufacturing

9. High Performance Concrete Admixtures
10. Manganese and zinc deep processing
11. Production of bismuth compounds
12. Deep processing of aluminium-based light metal materials
13. R&D and production of art ceramics, daily-use ceramics and industrial ceramics
14. Deep processing of natural medicine and proprietary Chinese medicine (excluding confidential prescriptions)
15. In-depth development of hormone drugs
16. Development and deep processing of special (ultra white, ultra thin, online Low-E, hollow, ultra thick, etc.) high quality glass technology.

work

17. Seamless hot-rolled steel tubes for high-end construction, nuclear power tubes, seamless steel tubes for supercritical high-pressure boilers and refined oil products

Processing of large diameter steel pipes such as casing

18. Production of high-performance radial tyres: tubeless load carrying radials, low profile and flat (below 55 series), high performance car radial tyres with large rims (over 15 inches), aviation tyres and agricultural radial tyres.

19. Carbide deep processing
20. Bimetal high-speed sawing tools
21. R&D and manufacturing of thermal management systems and control systems for new energy vehicles, including electric drive thermal management systems, battery thermal management systems and passenger compartment thermal management systems and their control systems.

22. Development and manufacture of automotive parts and automotive electronic devices: automatic transmissions with more than six gears, high power

density drive axles for commercial vehicles, follow-on headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminium-magnesium alloys, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies, seats, products related to the fuel common rail injection system, turbocharged engines, motors and control systems, active safety and automatic driving control systems engines, electric motors and control systems, active safety and automatic driving control systems.

23. More than three-axis linkage of high-speed, precision CNC machine tools and supporting CNC systems, servo motors and drives, functional components, cutting tools, gauges, gauges and high-grade abrasives production

24. Hydraulic excavators of 30 tonnes or more, full cross-section roadheaders of 6 metres or more, tracked bulldozers of 320 hp or more.

machine, 6 tonnes and above loader, 600 tonnes and above bridge erecting equipment (including bridge erectors, girder trucks, girder lifting machines), 400 tonnes and above crawler cranes, 100 tonnes and above all-terrain cranes, 100 mm and above rock drilling trolleys, 400 kilowatts and above concrete hot and cold regeneration equipment, 1-metre and above milling and planing machines; key components: powershift transmissions

Boxes, wet drive axles, slewing bearings, torque converters, motors for electric forklift trucks, electronic controls, pressure 25

Hydraulic motors, pumps, control valves above MPa

25. 60C and above concrete pumps, 50m and above concrete pump trucks, concrete placing machines, concrete mixer trucks, concrete spraying robots; lifting machinery: tower cranes, 50m and above aerial work trucks, 50 tonnes and above tyre cranes; pavement machinery: 12m and above asphalt paver, 4 tonnes and above asphalt concrete mixer, 26 tonnes and above full-hydraulic rollers, rubbish collection and disposal equipment and systems and other products. Refuse collection and treatment equipment and systems and other products

26. Manufacture of key components for large construction machinery: powershift gearboxes, wet drive axles, slewing bearings, torque converters, electric motors for electric forklift trucks, electronic controls, hydraulic motors with pressures of more than 25 MPa, pumps, control valves.

27. Oil tea, bamboo and wood industry production and processing machinery and equipment manufacturing

28. Manufacture of complete sets of new rubber machinery

29. Production and processing of new medical equipment and medical materials

30. Development and production of wide-area electromagnetic exploration equipment

31. Development and production of digital prototypes and digital twins for large-scale underground engineering equipment

32. Development and manufacture of complete electronic products, optoelectronics, electronic materials, electronic components, parts and components

33. Technology development and production of intelligent terminal products and key components such as smart phones and tablet PCs.

34. Solar and wind power generation equipment and parts manufacturing
35. Development and production of photopolymer inks for 3D glass and ceramics
36. Development and production of high-purity metal materials for displays and semiconductors
37. Biomass development, production, utilisation
38. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
39. Road passenger transport companies
40. Animation creation, production and derivatives development
41. Construction and operation of city gas, heat and water supply and drainage networks
42. Services such as construction of cultural performance venues and training in artistic performances
43. Construction of stadium facilities, operation of sports events (excluding e-sports) and sports fitness and leisure services

44. Healthcare Tourism Development
45. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
46. Conservation, development and operation of natural monuments and construction of their supporting facilities

Guangxi autonomous region in south China

1. Selection of new crop varieties and seed production
2. Research, development and application of deep processing and comprehensive utilisation technologies for the cultivation of fruits, nuts, fruit oils, spices and beverage crops

expense or outlay

3. Development of follow-up industry for national key ecological projects such as returning farmland to forest and grassland.
4. Development and production of plant and animal medicinal resources
5. Nutritious soya milk powder, traditional soya products, functional protein products, soya lecithin and other non-GM soya bean products.

production and processing

6. Deep processing of sugar cane and comprehensive utilisation of by-products with daily treatment of 5,000 tonnes of sugar cane and above.
7. Rosin deep processing
8. Production of natural mineral water for drinking
9. Beer manufacturing industry
10. Design and manufacture of wood, bamboo, rattan, metal and plastic furniture
11. High-grade textile, knitting and garment processing production of cotton, wool,

linen, silk and synthetic fibres and the research and development and testing of related products

12. Development and production of shoes, hats, toys, wigs, bags and leather goods

13. Single chemical wood pulp 300,000 tonnes / year and above, chemical mechanical wood pulp 100,000 tonnes / year and above, chemical bamboo

The integrated forest and paper production line with 100,000 tonnes of pulp/year and above and the corresponding supporting paper and paperboard production line

(newsprint.),

(except coated paper) construction, the use of clean production processes, non-wood fibre as raw material, a single 100,000 tonnes / year and above the construction of pulp production lines, advanced pulp and paper equipment development and manufacturing, elemental chlorine-free (ECF) and completely chlorine-free (TCF) chemical pulp bleaching process development and application of the

14. R&D and manufacturing of production equipment (weather precipitation, carbonisation sintering, etc.) for graphene, carbon fibres (including composites) and other carbon-based materials, R&D and production of graphene, carbon fibres (including composites) and other carbon-based materials, and manufacturing of end products

15. Calcium carbonate deep processing

16. Development and production of cathode materials such as ternary and multivariate and lithium iron phosphate for lithium-ion batteries, anode materials such as intermediate-phase carbon microspheres and silica-carbon, single-layer and triple-layer composite lithium-ion battery separators, electrolytes and additives such as fluorine-alternative ethylene carbonate (FEC), etc.; resourcefulness of waste batteries and green recycling of the production process and the manufacture of equipment thereof.

17. Production of stainless steel products

18. Production of copper and aluminium alloy materials and products

19. Deep processing of zinc, tin, antimony, tungsten, manganese, indium and other metals

20. R&D and production of art ceramics, daily-use ceramics and industrial ceramics

21. Deep processing of natural medicine, raw materials, proprietary Chinese medicines (excluding confidential prescriptions), Zhuang medicine, Zhuang medical equipment research and development

22. Research and development of biopharmaceutical technology and production of biopharmaceuticals, development and production of generic drugs that have passed the consistency assessment of the quality and efficacy of generic drugs

23. Research, development and manufacture of medical instruments, equipment, devices and sanitary materials, medical supplies, pharmaceutical excipients

24. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)

25. Production of bio-liquid fuels (fuel ethanol, biodiesel) using cassava, jatropha, rubber seeds and other non-food plants as feedstock

26. Production of high-performance radial tyres: Tubeless load carrying radials, low profile and flat (less than 55 per cent). series), high performance car radial tyres with large rims (over 15 inches), aviation tyres and agricultural radial tyres.

27. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the

Administration of Investment in the Automobile Industry")

28. Automotive parts and components manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follower headlamp systems, LED headlamps, lightweight material applications (high-strength steel, aluminium-magnesium alloys, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies and seats.

29. Manufacture of engines complying with off-road Stage IV emission standards

30. R&D and manufacturing of agricultural equipment such as sugarcane planters and sugarcane harvesters

31. Manufacture of complete sets of new rubber machinery

32. Manufacture of key components for large construction machinery: powershift gearboxes, wet drive axles, slewing bearings, torque converters, electric motors for electric forklifts, electronic controls, hydraulic motors with pressures of more than 25 MPa, pumps, control valves.

33. Development and production of high-end pharmaceutical equipment
34. Optical storage and charging integration, new energy vehicle charging equipment technology development and application or production and processing
35. Technology development and production of intelligent terminal products and key components such as smart phones and tablet PCs.
36. Drug Screening Platform, Clinical Technology Translation Platform, Pilot Scale-up Platform and other third-party technology platforms for R&D and production of drug and medical device products
37. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
38. Road passenger transport companies
39. Conference and exhibition planning and preparation and related services
40. International ship agency, foreign vessel handling
41. Ship supply, third-party ship management, shipping arbitration, maritime loss adjustments, shipping transactions, shipping leasing, bonded warehousing, international logistics and distribution, shipping information services, crewing services, maritime training, and other shipping service industries
42. Investment and development of cross-border industrial co-operation in cross-border tourism, cross-border logistics, cross-border human resources services, etc.
43. Higher education institutions
44. Construction and operation of city gas, heat and water supply and drainage networks
45. Animation creation, production and derivatives development
46. Leisure industries such as health and leisure services and leisure tourism
47. Healthcare Tourism Development
48. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
49. Construction of stadium facilities, operation of sports events (excluding e-sports) and sports fitness and leisure services
50. Design and production of speciality tourism crafts

Hainan Province

1. Selection of good varieties of crops and livestock and seedling production
2. Introduction, cultivation and management of tropical fruit tree seedlings
3. Processing of aquatic products and comprehensive utilisation of by-products
4. Coconut, bird's nest deep processing
5. Development and application of technologies for coastal defence forest restoration, natural forest protection, water-saving irrigation and dry farming water conservation
6. Development and Application of Agricultural Waste Recycling Technology
7. Drinking natural mineral water production

8. Biomedical technology development, production
9. Research, development and production of Chinese and ethnic medicines in Hainan Province
10. Seabed mineral exploration, mining
11. High-end furniture production using offshore wood and rattan as raw materials
12. Creative design and production of tourism handicrafts
13. Development and utilisation of natural gas downstream chemical products (except those listed in the restricted and prohibited categories of the Natural Gas Utilisation Policy)
14. Production of high-performance radial tyres: Tubeless load carrying radials, low profile and run-flat (below 55 series), high performance car radial tyres with large rims (over 15 inches), aviation tyres and agricultural radial tyres.
15. 5MW and above offshore wind turbine technology development and equipment manufacturing, offshore wind farm construction
16. New medical equipment and medical materials production and processing, especially with independent intellectual property rights of medical instruments and equipment and device development and production
17. Offshore oil exploration, exploitation, production-related equipment research and development, manufacturing, inspection, maintenance, sales and supporting industries
18. Manufacture of precision mechanical watches, mechanical clocks and components, manufacture of smart watches and components
19. New Energy Vehicle Design, R&D and Parts Manufacturing
20. Research, development and production of anti-epidemic and protective products and their production equipment
21. Research and development of new and clean energy-powered ships
22. Design, manufacture, repair and construction of cruise ships and related infrastructure facilities and ship supply services, tourism product business services
23. Yacht design, manufacture, maintenance and related infrastructure and equipment construction and ship supply services, tourism product business services

24. R&D and manufacturing of offshore engineering equipment
25. Golf equipment manufacturing
26. Optoelectronics technology and products (including optical fibre pre-fabricated rods, semiconductor light-emitting diode LED) development, manufacturing
27. Technology development and production of intelligent terminal products and key components such as smart phones and tablet PCs.
28. Manufacture of aerospace-related equipment
29. High-end consumer goods business
30. Offshore new international trade (technologically advanced services)

31. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
 32. Road passenger transport companies
 33. Modern Supply Chain Innovation and Application
 34. Aviation fuel security
 35. Ship supply such as marine products, material supply, etc.
 36. International water transport of passengers and cargo and ancillary operations
 37. International ship agency, foreign vessel handling
 38. Ship supply, third-party ship management, shipping insurance, shipping arbitration, sea loss adjustments, shipping transactions, shipping finance, shipping leasing, bonded warehousing, international logistics and distribution, shipping information services, crewing services, maritime training and other shipping service industries.
 39. Trade in bulk commodities (except commodities subject to state quota control)
 40. Brand experience shops, brand outlet shopping centres, convenience store chains, theme malls
 41. Trade brokerage, agency and services
 42. Sales of new energy vehicles and spare parts
 43. Global consolidation and distribution system development and operation management
 44. Construction and operation of tourism, ecological and cultural theme hotels
 45. Operating lease of machinery and equipment
 46. Pharmaceutical device outsourcing services (contract research organisation CRO, pharmaceutical manufacturing outsourcing CDMO)
 47. Pharmaceutical Consultancy
 48. Park management services
 49. R&D and installation of processes, plants and technologies for high-end chemicals, new chemical materials and natural gas chemical industry
- ruse
50. Securities companies, futures companies, insurance companies
 51. Venture capital, angel investment, other futures market services, capital

investment services

52. Financial leasing services

53. Medical equipment, business aircraft, new energy vehicle operating lease and maintenance services

54. Design, processing, manufacturing and trading of diamonds, precious stones, jewellery and other consumer goods

55. travel agents

56. Schools for children of foreigners

57. General secondary and higher education institutions
58. High-end specialised medical, rehabilitation, nursing and other healthcare services
59. Construction and operation of city gas, heat and water supply and drainage networks
60. Construction, operation of cinemas
61. Internet access service establishments
62. Animation creation, production and derivatives development
63. performance agency
64. Operation of places of entertainment
65. Leisure services such as sports health and leisure, sports tourism, wellness and recreation
66. Health and medical tourism, sports tourism development
67. Development and operation of rural lodges and live-in car tours and construction of ancillary facilities
68. Development and operation of tourism and leisure agriculture and construction of its supporting facilities
69. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
70. Marine and tropical rainforest ecotourism resources development, operation and construction of their supporting facilities
71. Tourist communities, tourist resorts in the concept of urban complexes
72. Intelligent Sports

Chongqing

1. Agricultural, forestry, animal husbandry and fishery speciality industry development, technology research and development, product processing and exportation
2. Beer manufacturing industry
3. Exploration, exploitation and beneficiation of marine and lacustrine shales in the upstream oil and gas (especially in the Sichuan Basin) mineral rights gap areas, shale oil and gas technology development and application
4. Production and development of natural gas downstream chemical products

(except those listed in the restricted and prohibited categories of the Natural Gas Utilisation Policy)

5. Polyurethane main raw materials, composites, high-performance, high value-added polyurethane, engineering plastics and downstream new materials innovation and application of product development, production

6. Deep processing of natural medicines, APIs and proprietary Chinese medicines (excluding confidential prescriptions), processing of traditional Chinese medicines and extraction of biological components, production of speciality APIs and intermediates, overseas Chinese medicines, chemical generics

7. Biomedical technology development, production

8. R&D and manufacturing of production equipment (meteorological precipitation, carbonisation sintering, etc.) for graphene, carbon fibres (including composites) and other carbon-based materials, R&D and production of graphene, carbon fibres (including composites) and other carbon-based materials, and manufacturing of end products

9. Technology development and production application of aerogel energy-saving materials

10. Energy-saving and environmentally friendly refractory production in Changshou

11. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick, body-coloured), and technology development of automotive-grade high-quality float glass (used in automotive glass > 85% of production and above).

12. Design and manufacture of wood, bamboo, rattan, metal and plastic furniture

13. High-quality textile, knitting and garment processing production of cotton, wool, linen, silk and chemical fibres

14. Toy development and production

15. R&D and production of art ceramics, daily-use ceramics and industrial ceramics

16. Aluminium and magnesium deep processing

17. Manufacture of environmental protection equipment (air, sewage, solid waste treatment equipment) and its solution application

18. Manufacture of high-performance motorbikes with a displacement of 250ml and above, and manufacture of important parts and components.

19. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")

20. Production of high-performance radial tyres: tubeless load carrying radials, low profile and flat (below 55 series), high-performance car radial tyres with large rims (over 15 inches), aviation tyres and agricultural radial tyres, as well as tyres included in the Key raw materials for radial tyres in the Guide to Key Areas of High Technology

Industrialisation for Current Priority Development

21. Automotive parts manufacturing: supercharged direct-injection gasoline engines/clean and efficient diesel engines/drive system components (clutch, damper, dual mass flywheel), automatic transmissions with more than six gears (AT, DCT, AMT), seats, drive shafts, electric steering system components, new energy engines/transmissions; lithium batteries for new energy vehicles, drive motors, electric control system, electric brake, electric instrument, energy recovery system, electric air conditioning, remote monitoring system and other key components; transmission/safety/body/driving/information control system, advanced driver assistance system (ADAS), automatic driving control system and other key components of intelligent vehicles; DPF, GPF, SCR and other engine after-treatment systems, alternative fuel engine ECU control strategy and hardware and software; lightweight chassis and body; lightweight Chassis and body; lightweight material applications (high-strength steel, aluminium-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibre, etc.), industry common technology platform (automotive wind tunnel, lightweight, global R&D centre, etc.) construction, etc.

22. R&D and production application of energy storage technologies (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)

23. R&D and manufacturing of gas turbines and internal combustion engines for distributed energy from natural gas

24. Manufacture of solar power generation equipment and components

25. Manufacture of large-scale digital integrated circuits with line widths below 0.25 microns

26. Technology development and production of intelligent terminal products and components and devices for computers, smartphones, household appliances, smart homes, etc.

27. Production and application of electronic gases, compound semiconductors, and electronic chemicals for display panels and chip manufacturing.

28. Development and production of new medical equipment and medical materials, rehabilitation equipment and key components

29. R&D and manufacturing of 500kV and above HVDC converter transformers

30. Energy-saving and environmentally friendly home appliances with energy efficiency of more than three levels, the production of key components such as compressors, motors, inverters, LCD panels, etc., and the development of new technologies such as wireless power transmission, naked-eye 3D and somatosensory input.

31. R&D and manufacturing of upstream and downstream products of semiconductor lighting materials and related equipment

32. Carbon dioxide recovery, carbon monoxide and other special industrial gases preparation and application

33. FINEX technology and high-speed, headless continuous rolling technology development and application

34. High-precision, high-reliability process measuring instruments, intelligent sensor manufacturing

35. New types of distribution, such as commercial chain management and cross-regional agency management

36. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)

37. Parallel Imported Vehicle Conformity Rectification
38. Use of third-party technology platforms for pharmaceutical and medical device R&D and manufacturing
39. Higher education institutions
40. Construction and operation of city gas, heat and water supply and drainage networks
41. Digital creativity, animation creation, production and derivatives development (not involving network audiovisual programme services)
42. Travel agency operations, tourist attractions (points) protection, development and operation and its supporting facilities construction
43. Fintech product development, application and service output of financial institutions
44. Financial services for microfinance for "three rural areas", small and microenterprises, and self-employed businesspeople
45. Solar thermal and photovoltaic power generation application integrated building, energy-saving building, green building, assembly building technology, product development and promotion, urban landscaping and ecological community construction

Sichuan Province

1. Agricultural, forestry, animal husbandry and fishery speciality industry development, technology research and development, product processing and export (including traditional Chinese medicine, sweet potatoes, lemons, tea, fruit winemaking, etc.)
2. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
3. Exploration, exploitation and beneficiation of marine and lacustrine shales in the upstream oil and gas (especially in the Sichuan Basin) mining rights gap area, shale oil and gas technology development and application
4. Production of natural mineral water for drinking
5. Beer manufacturing industry
6. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibre and the research and development and testing of related products
7. Manufacture of leather shoes, sports shoes and other whole shoes
8. Stationery, toys, teaching aids, bags development and production
9. Heavy duty corrugated board and carton equipment manufacturing
10. Design and manufacture of wood, bamboo, rattan, metal and plastic furniture
11. R&D and manufacturing of sporting goods and related products
12. Polyurethane main raw materials, composites, high-performance, high value-added polyurethane, engineering plastics and downstream new materials innovation and application of product development, production
13. Deep processing of natural medicines, raw materials and proprietary Chinese medicines, planting, breeding and processing of speciality Chinese medicinal herbs (excluding confidential prescriptions)
14. R&D and production of biopharmaceuticals and pharmaceutical intermediates, biological agents
15. Development and production of high-end medical equipment and medical materials
16. High-end medical devices, biomedical manufacturing
17. Production of drugs for malignant tumours, cardiovascular and cerebrovascular diseases, neurodegenerative diseases, diabetes mellitus,

autoimmune diseases, haematological system and other major diseases

18. Prophylactic vaccines for major infectious diseases such as epidemic respiratory diseases and hepatitis, as well as new vaccines for tumours and cardio-cerebral vascular diseases.

19. Vanadium and titanium resources comprehensive utilisation of new technologies and new products research and development, manufacturing

20. Titanium alloy deep processing

21. Production and development of natural gas downstream chemical products (included in the restricted and prohibited categories of the Natural Gas Utilisation Policy)

(except for the following)

22. Production of fluorinated fine chemicals and high-quality fluorinated inorganic salts
23. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)
24. Graphene, carbon fibres (including composites) and other carbon-based materials R&D and production and manufacturing of end products
25. High-end applications and deep processing of graphite
26. Manufacturing of cable harnesses (including high-end automotive cable harnesses, industrial harnesses, LVDS cables, cables and supporting polymers, etc.)
27. Development and production of silicon materials and new materials for crystalline silicon photovoltaics
28. Applied to industry, medicine, electronics, aerospace and other fields of special ceramic production and technology, equipment development; ceramic clean production and comprehensive use of technology development
29. 3D in-vehicle cover glass manufacturing (protective material for in-vehicle displays)
30. R&D and manufacturing of lithium resource processing and related lithium products
31. R&D and production of high-end diagnostic and therapeutic equipment such as new radiotherapy, medical robots, new digital medical imaging equipment, etc.
32. Research, development and manufacture of energy-saving, low-temperature home storage grain equipment
33. R&D, manufacturing and inspection of large-scale amusement facilities
34. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")
35. Production of high-performance radial tyres: tubeless load carrying radials, low profile and flat (below 55 series), high performance car radial tyres with large rims (over 15 inches), aviation tyres and agricultural radial tyres.

36. Development and manufacture of automotive parts and automotive electronic devices: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follow-on headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminium-magnesium alloys, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies, seats, products related to the fuel common rail injection system, turbocharged engines, motors and control systems, active safety and automatic driving control systems engines, electric motors and control systems, active safety and automatic driving control systems.

37. Hydraulic excavators of 30 tonnes or more, full-section roadheaders of 6 m or more, crawler bulldozers of 320 hp or more, loaders of 6 tonnes or more, bridging equipment of 600 tonnes or more (including bridge erectors, girder trucks and girder lifting machines), crawler cranes of 400 tonnes or more, all-over-ground cranes of 100 tonnes or more, and rock-drilling trolleys of drilling holes of 100 mm or more,

Cold and hot concrete regeneration equipment of 400 kW and above, milling machines of 1 metre width and above; key components: power shift transmissions

Boxes, wet drive axles, slewing bearings, torque converters, motors for electric forklift trucks, electronic controls, pressure 25

Hydraulic motors, pumps, control valves above MPa

38. Manufacture of solar power equipment and components
39. All-vanadium liquid current battery development and production
40. R&D and production application of energy storage technologies (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)
41. R&D and manufacture of high-temperature components and control systems for large-scale and heavy-duty gas turbines over 3000KW.
42. R&D and manufacturing of upstream and downstream products of semiconductor lighting materials and related equipment
43. Development and production of precision electronic injection moulding products
44. Manufacture of high-grade household appliances such as LCD TVs, digital TVs, energy-saving and environmentally friendly refrigerators, intelligent washing machines, etc.
45. Technology development and production of intelligent terminal products and key components such as smart phones and tablet PCs.
46. Development and production of materials for electronic products such as semiconductors, optoelectronic devices and new electronic components.
47. Manufacture of new electronic components: high-speed, sensitive electronic (gas) connectors
48. Development and production of medical and rehabilitation devices, equipment and key components
49. Manufacture of natural gas compressors (including coal bed methane compressors)
50. Manufacture of environmental protection equipment and application of its solutions
51. Resource utilisation of industrial tailings and industrial production waste and low-grade, complex and difficult-to-process ores

52. Manufacture of industrial process automation systems and devices: fieldbus control systems, programmable controllers (PLC), two-phase flow meters, solid flow meters, new sensors and field measurement instruments
53. New types of distribution, such as commercial chain management and cross-regional agency management
54. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
55. Road passenger transport companies
56. General aviation companies in the tourism and sports aviation category
57. Medical information services such as health counselling, health management, medical knowledge, etc.
58. Construction and operation of city gas, heat and water supply and drainage networks
59. Animation creation, production and derivatives development
60. Training and intermediary services for artistic performances and industrialised development of cultural goods and equipment, etc.
61. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities

62. Health Tourism Development

63. Development of digital cultural and sports tourism, recreation and sports tourism, music tourism and other products

Guizhou Province

1. Tea planting, development, cultivation, sales, deep processing and new varieties of breeding and promotion

2. Selenium-enriched agricultural products planting, cultivation technology development (excluding food crops); selenium-enriched agricultural products, food development, production (excluding food crops)

3. Planting, development, cultivation, sales, deep processing of blueberries and cultivation and promotion of new varieties

4. Cultivation, processing and development of new pharmaceutical processes for speciality medicinal plants

5. Development of follow-up industries for national key ecological projects such as returning farmland to forests and grasslands, natural forest protection, etc.

6. Development and application of water-saving irrigation and dry crop water-saving technologies

7. Deep processing of potato, konjac and other products

8. Livestock, chilli, buckwheat, yam, walnut deep processing

9. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibre and the research and development and testing of related products

10. R&D and manufacturing of sporting goods and related products

11. Needle coke production, crude benzene deep processing industry

12. Optimisation of fixed-layer ammonia plants with advanced technology for energy-saving technological upgrading project construction and operation

13. Development of a new power fuel, M100, from methanol and new energy sources from ammonia production off-gases

14. Development of industrial-grade and food-grade carbon dioxide using industrial carbon dioxide production off-gas

15. Adipic acid production

16. Adoption of advanced technology for the construction of 300,000 tonnes/year

and above coal-based ammonia and supporting urea project construction and operation

17. Development, conservation and sustainable use of plant and animal medicinal resources
18. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)
19. Deep processing of aluminium and other non-ferrous metals
20. Development of high-performance aluminium alloy series products
21. Development and application of new short-process iron and steel smelting technology
22. Development and application of non-blast furnace smelting technology (direct reduction method)

23. Production of abrasive products
24. Development of new rock drilling tools and production of steel materials for rock drills
25. Manufacture of production equipment for alcohol and tea production
26. Processing of positive and negative electrode materials for new energy batteries (lithium iron phosphate, lithium hexafluorophosphate processing)
27. R&D and manufacturing of upstream and downstream products of semiconductor lighting materials and related equipment
28. R&D and production of power lithium battery materials
29. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")
30. Automotive parts and components manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follower headlight systems, LED headlights, lightweight material applications (high-tensile steel, aluminium-magnesium alloys, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies and seats.
31. Development and manufacture of special construction machinery, bridge paving machinery, crushing machinery, hydraulic basic parts, numerical control machine tools, energy-saving and environmental protection equipment, 4MW steam turbines and the following products with special characteristics and advantages.
32. Compound permanent magnet motor oil pumping machine series product development, production
33. Manufacture of micro motors
34. Development and manufacture of special equipment and products for mining, digging, hoisting, underground transport and other mining equipment for complex geological conditions
35. Development and manufacture of lightweight, durable, low-consumption small and medium-sized ploughing, planting and harvesting, plant protection, water-saving irrigation, small-scale drought-resistant equipment, and agricultural

machinery for cereal and oil crops, tea, and special agricultural products in western mountainous areas

36. Manufacture of solar power equipment and components
37. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
38. Road passenger transport companies
39. performance agency
40. Construction and operation of city gas, heat and water supply and drainage networks
41. Comprehensive Protection of the Moutai Ecological Belt and Application of Remote Sensing Technology in the Chishui River Basin
42. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
43. Production of ethnic minority special needs items, arts and crafts, silver jewellery, embroidery, batik and other special handicrafts, and tourist souvenirs
44. Recreational tourism development

Yunnan

- 1.Planting, development, cultivation, marketing, deep processing and breeding and promotion of new varieties of coffee, tea, oil tea and oleaginous trees.
- 2.New natural rubber development, application
- 3.Technology development and manufacturing of natural flavour and fragrance production
- 4.Development of follow-up industries for national key ecological projects such as returning farmland to forests and grasslands, natural forest protection, etc.
- 5.Plateau lake protection, pollution management
- 6.Development and application of water-saving irrigation and dry crop water-saving technologies
- 7.Developmental operation of rural lodging and leisure agriculture and construction of supporting infrastructure
- 8.R&D and manufacturing of general-purpose power platforms for hilly and mountainous areas and supporting agricultural machinery for ploughing, planting, mid-ploughing, plant protection, harvesting, etc.
- 9.Alpine grape breeding, cultivation, production and winemaking
- 10.Beer manufacturing industry
- 11.Non-ferrous metal deep processing
- 12.Cultivation and further processing of fruits, nuts, oleaginous fruits, spices and beverage crops
- 13.Deep processing of cane sugar and comprehensive utilisation of by-products such as waste molasses, bagasse, cane leaves, filter sludge, alcohol waste liquid, etc., with a daily processing capacity of 3000 tonnes of sugar cane and above.
- 14.Nutritional food, health food development and production
- 15.Development and application of speciality edible resources
- 16.Flax processing, development and comprehensive utilisation of by-products in line with ecological and environmental requirements
- 17.Production of bio-liquid fuels (fuel ethanol, biodiesel) from non-food plants such as cassava, jatropha, rubber seeds etc.

18. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibre and the research and development and testing of related products

19. Development and production of shoes, hats, toys, wigs, bags and leather goods

20. Development, conservation and sustainable use of plant and animal medicinal resources

21. Production of high-end furniture made from offshore wood and rattan

22. R&D and manufacturing of sporting goods and related products

23. Packaging and other printing
24. Production of national special needs, speciality handicrafts and packaging materials
25. Biomedical technology development, production
26. Deep processing of natural medicines, APIs and proprietary Chinese medicines, processing of traditional Chinese medicines and extraction of biological components, production of speciality APIs and intermediates, overseas Chinese herbal medicines and chemical generics (excluding confidential prescriptions)
27. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)
28. Green aluminium, green silicon, green titanium production, deep processing and their applications
29. Special engineering machinery, CNC machine tools, energy-saving and environmental protection equipment development and production with special characteristics and advantages
30. Manufacture of biomass power generation equipment
31. Solar and wind power generation equipment and parts manufacturing
32. Green agriculture energy-saving and environmentally friendly intelligent agricultural machinery and equipment (agricultural products cleaning, grading and sorting, drying, packaging and other agricultural machinery and equipment) R & D, manufacturing
33. High-efficiency plant protection, drying, deep processing, straw treatment and other links with the mechanisation of ploughing, planting and harvesting integrated supporting R & D, manufacturing
34. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")
35. Integrated management of solid waste from limestone mines
36. Fourth-generation, fifth-generation and subsequent mobile communication system telecommunication equipment, intelligent terminals, the production and manufacture of parts and components and related software and hardware technology research and development, technical services

37. Manufacturing, technical research and development and technical services for new data centre-related hardware and software systems, equipment and components

38. Manufacturing, technical research and development, and technical services for IoT-related hardware and software systems, equipment, and components

39. Cross-border logistics and cold chain logistics

40. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)

41. New types of distribution, such as commercial chain management and cross-regional agency management

42. R&D and production application of energy storage technologies (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)

43. Development and operation of tourism and leisure agriculture and construction of its supporting facilities

44. Performing arts training, intermediary services, ecotourism resource development
45. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
46. Construction of cultural performance venues, performance agencies
47. Healthcare Tourism Development

Tibet Autonomous Region

1. Plateau speciality agricultural and livestock products (barley, cattle, sheep, etc.) planting, breeding and production processing
2. Pasture and fodder crop cultivation and further processing
3. Development of follow-up industries for national key ecological projects such as returning farmland to forests and grasslands, natural forest protection, etc.
4. Development and application of water-saving irrigation and dry crop water-saving technologies
5. Development and utilisation of salt lake resources
6. Production of natural mineral water for drinking
7. Cow and cashmere, leather products deep processing and Tibetan carpet production
8. Construction and operation of flower and nursery bases
9. Research and development of cultivation technology for understorey resources and deep processing of understorey products
10. Development and utilisation of new technologies for barley, pasture and other crops
11. Development and Utilisation of Plateau Speciality Food Resources and Production and Processing
12. Deep processing of natural medicines, APIs and proprietary Chinese medicines (excluding confidential prescriptions)
13. Production of new varieties and dosage forms of Tibetan medicines
14. Production of ethnic minority speciality goods, arts and crafts, packaging containers and materials, daily-use glass products and souvenirs of special tourist commodities
15. Environmental protection equipment manufacturing and solution application

16. Manufacture of solar, geo-energy and wind power generation equipment and components
17. Production and processing of new medical equipment and medical materials
18. Ecosystem Restoration and Reconstruction Project in Mining Areas
19. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
20. Road passenger transport companies
21. Construction of commercial outlets, warehousing and logistics infrastructure, commercial chain operations, cross-regional agency operations and other circulation industries

22. R&D and production application of energy storage technologies (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)
23. Construction and operation of city gas, heat and water supply and drainage networks
24. Development and operation of tourism and leisure agriculture and construction of supporting facilities
25. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
26. Development of hot spring resources and construction of hot spring resorts

Shaanxi Province

1. Selection of new crop varieties and seed production
2. Small grains, potatoes, sweet potatoes, chilli, buckwheat, yam, walnut planting and product development, production and deep processing
3. Development of selenium-rich speciality agricultural products (excluding food crops)
4. Construction of production bases under the Good Manufacturing Practice (GAP) for Chinese herbal medicines
5. Development of follow-up industries for national key ecological projects such as returning ploughland to forests and grasslands, natural forest protection, water source protection, etc.
6. Development and application of water-saving irrigation and dry-farming water-saving technology, conservation tillage technology and facility-based agricultural technology
7. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibre and the research and development and testing of related products
8. Development, conservation and sustainable use of plant and animal medicinal resources
9. Coal sub-processing and utilisation: coal to methanol to olefin and downstream coal to aromatics to ethylene glycol to polyester production
10. Coal liquefaction for oil and chemicals production

11. Production and development of natural gas downstream chemical products (except those listed in the restricted and prohibited categories of the Natural Gas Utilisation Policy)

12. Biomedical technology development and production

13. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)

14. Production and processing of vanadium alloy products

15. Deep processing of aluminium, magnesium and titanium metals

16. Animal-specific antibacterial raw materials (including antibiotics, chemical synthesis), animal vaccine production

17. High-speed, precision CNC machine tools with more than five axes of linkage and supporting CNC systems, servo motors and drives,

Production of functional parts, cutting tools,
gauges, measuring instruments and high-grade
abrasive materials

18. Production and processing of new medical
equipment and medical materials

19. Research, development and production of anti-epidemic and protective
products and their production equipment

20. Manufacture of distribution switchgear and control equipment

21. Blast furnace gas energy recovery turbine design and manufacture

22. Manufacture of complete automobiles, manufacture of special-purpose
vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments
and silo trucks) (subject to the implementation of the "Provisions on the
Administration of Investment in the Automobile Industry")

23. Manufacture of automotive parts and components: medium- and heavy-duty
engines for commercial vehicles complying with Stage VI and above emission
standards, high power density drive axles, follower headlamp systems, LED
headlamps, clutches, hydraulic shock absorbers, centre console assemblies,
seats, lightweight material applications

24. Research and development of high-voltage transmission and control
equipment

25. R&D and production of integrated circuits and production equipment

26. Technology development and production of intelligent terminal products and
key components such as smart phones and tablet PCs.

27. Flexible display, display material production

28. R&D and production of contact display and communication terminal products
and components

29. New types of distribution, such as commercial chain management and cross-
regional agency management

30. Broadband and value-added telecoms services (limited to telecoms services
opened up by China's WTO accession commitments)

31. Road passenger transport companies

32. Conference and exhibition planning and preparation and related services

33. Higher education institutions

- 34. Animation creation, production and derivatives development
- 35. Construction and operation of city gas, heat and water supply and drainage networks
- 36. Operation of sports events (excluding e-sports) and sports, fitness and leisure services
- 37. Development and operation of tourism and leisure agriculture and construction of its supporting facilities
- 38. Leisure industries such as health and leisure services and leisure tourism
- 39. travel agents
- 40. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
- 41. Projects on deep processing of resources in resource-exhausted cities and succession industries, etc.

Gansu Province

1. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
2. Development and production of seeds for melons, vegetables and flowers
3. Modern Silk Road Cold and Arid Agriculture Advantageous Characteristic Agricultural and Livestock Products Scale Standardised Planting, Breeding and Deep Processing
4. Wood processing using offshore resources
5. Cultivation, breeding and processing of speciality Chinese herbal medicines, construction of production bases of Chinese herbal medicines with Good Agricultural Practices (GAP)
6. Production and development of natural gas downstream chemical products (except those listed in the restricted and prohibited categories of the Natural Gas Utilisation Policy)
7. Extended processing in the petroleum and chemical industries
8. Comprehensive utilisation of chemical raw material waste gas, waste liquid and waste residue
9. Research, development and production of anti-epidemic and protective products and their production equipment
10. R&D and production of biopharmaceuticals and pharmaceutical intermediates, biological agents
11. Development and production of medical equipment and key components
12. R&D and manufacturing of production equipment (weather precipitation, carbonisation sintering, etc.) for graphene, carbon fibres (including composites) and other carbon-based materials, R&D and production of graphene, carbon fibres (including composites) and other carbon-based materials, and manufacturing of end products
13. Deep processing of non-ferrous metals such as aluminium, copper and nickel
14. Production of high-tech non-ferrous metal materials and their products: aluminium foil for lithium battery electrodes, electrolytic copper foil, high-performance copper-nickel
15. Titanium alloy machining
16. Manufacture of high-density, high-precision, complex-shaped powder

metallurgy parts and chains for automobiles and construction machinery.

17. Oil drilling and refining equipment and other high-end equipment manufacturing

18. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")

19. Production of stainless steel products

20. Development of high-performance aluminium alloy series products

21. Development and application of new short-process iron and steel smelting technology

22. Lithium-ion battery development and production

23. IC R&D, packaging, testing
24. Production and R&D of CNC machine tools and metal cutting machine tools
25. Self-lubricating bearings, all kinds of mechanical bearings and parts manufacturing
26. High-medium and low-voltage power transmission and distribution equipment production
27. Automotive parts and components manufacturing: automatic transmissions with more than six gears, high power density drive axles for commercial vehicles, follower headlight systems, LED headlights, lightweight material applications (high-tensile steel, aluminium-magnesium alloys, composite plastics, powder metallurgy, high-strength composite fibres, etc.), clutches, hydraulic shock absorbers, centre console assemblies and seats.
28. Solar and wind power generation and equipment manufacturing
29. New types of distribution, such as commercial chain management and cross-regional agency management
30. Animation creation, production and derivatives development
31. Construction and operation of city gas, heat and water supply and drainage networks
32. Construction of stadium facilities, operation of sports events (excluding e-sports) and sports fitness and leisure services
33. Leisure industries such as health and leisure services and leisure tourism
34. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities

Qinghai

1. Conservation, breeding, processing and utilisation of highland plant and animal resources
2. Cultivation and deep processing of wolfberry and barley, etc.
3. feed processing
4. Development of follow-up industries for national key ecological projects, such as returning farmland to forests and grasslands, returning pastures to grasslands, natural forest protection, soil and water conservation and comprehensive management of water ecosystems, etc.

5. Water-saving irrigation and dry-farming water-saving technology, conservation tillage technology, facility agriculture technology, photovoltaic agriculture technology development and application

6. Organic natural agricultural and livestock product base construction and product deep processing

7. Design and production of special handicrafts, arts and crafts, and tourist souvenirs

8. Energy-saving and environmentally friendly refractory production in Changshou

9. Quartz, gypsum and other advantageous non-metallic mineral products and deep-processed products (except exploration and mining)

10. Deep processing of copper, aluminium, magnesium and other non-ferrous metals

11. Titanium deep processing

12. Nickel metal deep processing
13. R&D and production of new metal alloy materials such as aluminium-based, magnesium-based, titanium-based, lithium-based and nickel-based materials
14. Production of new varieties and dosage forms of Chinese and Tibetan medicines
15. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)
16. Production of engineering plastics such as paraformaldehyde and polyphenylene sulphide
17. Olefin downstream deep processing products
18. Resource utilisation of industrial tailings and industrial production waste and low-grade, complex and difficult-to-process ores
19. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")
20. R&D and manufacturing of upstream and downstream products of semiconductor lighting materials and related equipment
21. Solar and wind power generation equipment and parts manufacturing
22. Photovoltaic power generation system integration technology development and application
23. Lithium products production and special equipment R & D, manufacturing
24. Broadband and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
25. Road passenger transport companies
26. Construction and operation of water projects
27. Construction and operation of urban and rural gas, heat and water supply and drainage networks
28. New types of distribution, such as commercial chain management and cross-regional agency management
29. Construction of stadium facilities, operation of sports events (excluding e-sports) and sports fitness and leisure services
30. Protective development and operation of ecotourism resources and

construction of their supporting facilities

Ningxia Autonomous Region

1. Seed potato production
2. Selection and production of seeds for fruits, vegetables and flowers
3. Development of follow-up industries for national key ecological projects, such as returning farmland to forests and grasslands, returning pastures to grasslands and protecting natural forests
4. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
5. Cultivation and deep processing of wolfberries, grapes, potatoes, small grains, etc.
6. Sandy Chinese herbal medicine, sandy area ecological economic forest, sandy area melon and fruit, sandy area facility agriculture, sand material building materials, sandy area

Sand industries such as new energy and desert tourism and leisure

7.feed processing

8.Deep processing of milk protein, casein and other high-end dairy products

9.High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibres and the research and development and testing of related products

10.Creative design and production of tourism handicrafts

11.Development and production of high-performance silicone oils, silicone rubbers and resins, high-quality fluorine resins, high-performance fluorine rubbers, fluorine-containing fine chemicals and high-quality fluorine-containing inorganic salts.

12. Carbon-based materials, carbon fibre development, production

13. Spandex fibre manufacturing

14. Deep processing of rare metal materials such as tantalum and niobium

15. R&D and production of new materials such as aluminium alloys, magnesium alloys, silicon, manganese alloys, etc.

16. Development and Production of Green Electrode Paste and Cold Pounding Paste

17. Manufacture of special materials for batteries and electronics

18. Manufacture of liquid crystal display materials and organic electroluminescent display materials

19. Production of high-performance radial tyres: all-steel radials, tubeless heavy-duty radials, low profile and run-flat (less than 55 series), high-performance car radials with large rims (over 15 inches), aviation tyres and agricultural radials

20. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")

21. More than three-axis linkage of high-speed, precision CNC machine tools and supporting CNC systems, servo motors and drives, functional components, cutting tools, gauges, gauges and high-grade abrasives production

22. 5 million tonnes/year and above mine, thin coal seam integrated mining equipment, 10 million tonnes/year and above large open pit mine key equipment

- 23. R&D and production of intelligent harvesting machinery for wolfberry
- 24. Construction and operation of solar power systems and wind farms
- 25. Special environment automatic control, intelligent instruments, meters, valves technology development
- 26. Broadband services and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)
- 27. Road passenger transport companies

28. International multimodal transport of goods, multimodal transport by road, rail and sea, international road transport of goods, international logistics supply chain management

29. Higher education institutions

30. travel agents

31. Construction and operation of city gas, heat and water supply and drainage networks

32. Leisure industries such as health and leisure services, tourism and leisure holidays

33. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities

Xinjiang Autonomous Region (including Xinjiang Production and Construction Corps)

1. Modernised and standardised breeding of beef cattle and sheep

2. Development and operation of leisure agriculture and construction of supporting facilities

3. Development of follow-up industries for national key ecological projects such as returning farmland to forests and grasslands, returning pastures to grasslands, and protecting natural forests

4. Water-saving irrigation and dry-farming water-saving technologies, conservation tillage technologies, facility-based agriculture, development and application of organic agriculture

5. Cultivation and deep processing of high-quality speciality agricultural products such as high-quality tomatoes, beets, pears, grapes, watermelons, dates, walnuts, apricots, pomegranates, chillies and wolfberries, etc.

6. Processing of grape by-products (grape leaves, grape seeds, etc.)

7. Construction of high-quality wine grape bases (supply bases for raw wine and distilled wine) and production of wines (dry wines, ice wines, traditional moussalès wines)

8. Production of solid and semi-solid dairy products such as high-grade nutritional formulas, high-quality industrial milk powder, cheese, casein, cream, condensed milk, yoghurt, etc.

9. feed processing
10. Cultivation of flax, sea buckthorn, lavender, roses and production of their products
11. Manufacture of spare parts and accessories for the textile and clothing industry
12. High-grade textile, knitting and garment processing production of cotton, wool, linen, silk and synthetic fibre and the research and development and testing of related products
13. Development and production of shoes, hats, toys, wigs, bags and leather goods
14. Comprehensive utilisation of non-metallic minerals such as marble, dongling jade, vermiculite, mica, asbestos, magnesite, limestone, rhodochrosite, stone, etc. (except exploration and development)

15. High-end applications and deep processing of graphite
16. Development of coal processing application technology
17. Comprehensive Utilisation of Associated Resources of Oil and Gas
18. Venting of natural gas for recycling
19. Cultivation, processing and development of new pharmaceutical processes for speciality medicinal plants
20. Production of national special needs items, arts and crafts, packaging containers and materials, daily-use glass products and handmade carpets, jade carvings, national embroidery and other special handicrafts, and tourist souvenirs
21. Production and processing of new medical equipment and medical materials
22. Technology development and deep processing of special varieties of high-quality float glass (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)
23. R&D and production of new aluminium-based, silicone-based and polymer membrane materials
24. Deep processing of copper, zinc, aluminium and other non-ferrous metals
25. Manufacture of agricultural and sideline product processing equipment
26. Intelligent modern agricultural equipment and supporting farm machinery production
27. Manufacture of professional shearing machinery and equipment, including: soft shaft shearing machines, hard shaft shearing machines, electric shearing machines and supporting shearing blades and parts.
28. Assembly of electronic components, mobile phones, smart wearables, computer peripherals and other electronic products
29. Manufacture of environmental protection equipment and application of its solutions
30. Manufacture of complete automobiles, manufacture of special-purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank trucks, compartments and silo trucks) (subject to the implementation of the "Provisions on the Administration of Investment in the Automobile Industry")
31. Development and production of special equipment for processing miscellaneous grains
32. Solar and wind power generation equipment and parts manufacturing
33. Manufacture of special equipment for oil and mining

34. Manufacture of smart grid equipment and electrical set control system equipment
35. Manufacture of small snow clearing equipment
36. Iron and steel metallurgy solid waste comprehensive utilisation, desulphurisation gypsum, coal fly ash, calcium carbide slag comprehensive utilisation and products, sewage purification and treatment equipment manufacturing
37. Comprehensive utilisation of chemical raw material waste gas, waste liquid and waste residue
38. Broadband services and value-added telecoms services (limited to telecoms services opened up by China's WTO accession commitments)

- 39. Road passenger transport companies
- 40. New types of distribution, such as commercial chain management and cross-regional agency management
- 41. Operating lease of machinery and equipment
- 42. Construction and operation of city gas, heat and water supply and drainage networks
- 43. travel agents
- 44. Healthcare Tourism Development
- 45. Protection, development and operation of tourist attractions (sites) and the construction of their supporting facilities
- 46. Production of snow and ice sports and tourism goods
- 47. Desert economic industries such as desert tourism, desert recreation, ecological agriculture in sandy areas, sand materials and building materials, etc.