

Encourage foreign investment industry directory

(2022 Edition)

To implement the Foreign Investment Law and its implementing regulations, according to the needs of national economic and social development, to encourage and guide foreign investors to invest in specific industries, fields and regions, the development of this directory.

This directory includes two parts, one is the national directory of industries to encourage foreign investment, and the second is the directory of industries with advantages for foreign investment in the central and western regions.

The "Catalogue of Industries Encouraging Foreign Investment (2020)" issued by the National Development and Reform Commission and the Ministry of Commerce on December 27, 2020 (Annual Edition)" is repealed as of January 1, 2023.

National Directory of Industries Encouraging Foreign Investment

First, agriculture, forestry, animal husbandry and fisheries

- 1.Planting, development and production of woody edible oilseeds, seasonings and industrial raw materials
- 2.Green, organic vegetables (including edible mushrooms, melons), dried and fresh fruits, tea cultivation technology development, planting and product production
- 3.Breeding, planting and production of wine grapes
- 4.Breeding, cultivation and production of raw materials for beer
- 5.Sugar, fruit trees, pasture and other crops cultivation new technology development and product production
- 6.Breeding and development of new plant varieties for high-yielding and high-efficiency silage
- 7.Flower production and nursery base construction, operation
- 8.Rubber, oil palm, sisal, coffee planting
- 9.Breeding and cultivation of aromatic plants, extraction of essential oils

10. Chinese herbal medicine cultivation, breeding
11. Comprehensive utilization of crop straw resources, development and production of organic fertilizer resources
12. Forest resources cultivation (fast-growing and productive timber forests, large-diameter timber forests, bamboo forests, oil tea and other economic forests, precious species of timber forests, etc.)
13. Forest ecological farming

14. Standardized scale breeding technology and intelligent breeding technology development and application of livestock and poultry
15. Breeding livestock and poultry and aquatic fry breeding (excluding China's unique and valuable breeds)
16. Anti-desertification, soil and water conservation and land greening and other ecological and environmental protection project construction, operation
17. Aquaculture, deep-water net-pen aquaculture, factory aquaculture, eco-type marine enrichment
18. Efficient water-saving irrigation, farmland soil improvement and ecological management, comprehensive utilization of saline land and other arable land reserve resources, green farmland construction and technology development and application; rural environmental improvement, rural domestic sewage and garbage management, water ecological environment management and restoration-related engineering construction and technology development and application
19. Construction of cold chain logistics facilities for agricultural products storage and preservation
20. Intelligent 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 production services adapted to the scale, standardization and mechanization of agricultural production, as well as rural living services
22. Leisure agriculture and rural tourism, leisure tourism, agricultural experience, outdoor expansion, ecological recreation, labor education practice base construction
23. Safe and efficient environmental feed and feed additives (including vitamins, methionine, feed enzymes), product development and production of alternative antibacterial drugs for animal growth promotion

Second, the mining industry

24. Oil, natural gas (including shale gas, coalbed methane) exploration, development and utilization of mine gas
25. Development and application of crude oil recovery enhancement (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 operations
- 27. New technology development and application to improve the utilization rate of mine tailings and the comprehensive application of mine ecological restoration technology
- 28. Exploration, mining and beneficiation of scarce minerals (such as potash, chromite, etc.) in China

III. Manufacturing

(A) agricultural and food processing industry

- 29. Pet feed and food development and production
- 30. Aquatic products processing, shellfish purification and processing, seaweed health food development
- 31. Vegetables, dried and fresh fruits, livestock products processing

(B) food manufacturing

32. Development and production of high-temperature sterilized milk (sterilization at 132°C and kept for a short time)
33. Cheese and reconstituted cheese, cheese products production
34. Infant formula, infant and toddler complementary food, special medical use formula and health food development, production
35. Baked goods (including the use of natural cocoa beans chocolate and its products), convenience foods, ice cream and its related ingredients development, production
36. Candy, chewing gum, candied fruit, yogurt production
37. Forest food processing
38. Plant protein bionic meat food development, production
39. Natural food additives, natural flavors new technology development and production
40. Development and production of aseptic liquid food packaging materials

(C) wine, beverages and refined tea manufacturing

41. Development and production of fruit and vegetable juices and their beverages, protein drinks, tea drinks, coffee drinks, and plant drinks

(D) Textile industry

42. The use of non-woven, weaving, knitting, weaving, three-dimensional weaving and other processes and a variety of processes, long-lasting finishing and other new technologies to produce functional technical textiles
43. The use of digital intelligent printing and dyeing technology and equipment, dyeing and finishing clean production technology (enzyme treatment, high-efficiency short process pretreatment, knitted fabric continuous flat pretreatment, low-temperature pretreatment and dyeing, low salt or salt-free dyeing, low urea printing, small bath ratio airflow or gas-liquid dyeing, digital inkjet 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 product production of special animal fibers, hemp fibers, mulberry and sericulture silk, colored cotton, colored mulberry cocoon silk and other natural fibers that meet environmental requirements

45. Waste textile sorting, recycling, utilization

46. Production and development of therapeutic medical hygiene textiles, artificial skin, absorbable sutures, hernia repair materials, new dialysis membrane materials, catheters for interventional therapy, high-end functional biological dressings, etc.

(E) textile and clothing, apparel industry

47. Production of high-count cotton yarn

48. Production of apparel and semi-finished apparel products using computer integrated manufacturing systems

49. Functional special clothing production

(F) leather, fur, feathers and their products and footwear industry

50. Leather and fur clean technology processing

51. New technology processing of leather after finishing

52. Comprehensive utilization of leather waste

53. High-performance elastomer shoe material production

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

54. Forestry three leftovers "secondary, small, pay" wood, waste wood and bamboo comprehensive utilization of new technologies, new product development, production, wood and bamboo production pollution control management, fine particulate matter emission reduction and dust explosion-proof 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

(H) education, industry, sports and recreational goods manufacturing

57. Production of high-grade carpets, embroidery, and drawn products

(ix) petroleum processing, coking and nuclear fuel processing industry

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

(X) chemical materials and chemical products manufacturing

59. Development and production of new downstream products of organic silicon

60. Supporting raw materials for synthetic materials: propylene oxide by hydrogen peroxide oxidation, epichlorohydrin by hydrogen peroxide oxidation, dimethyl naphthalene dicarboxylate (NDC), 1,4-cyclohexanedimethanol (CHDM), 50,000 tons/year or more of butadiene adiponitrile, hexanediamine, and norbornene production

61. Production of polyethylene polyamine products

62. Development and production of high end polyolefins such as high carbon alpha olefin copolymer mPE, COC/COP cyclic olefin polymer

63. Synthetic fiber raw material production: 1,3-propanediol

64. Synthetic rubber production: acrylate rubber, chlorohydrin rubber, and special fluorine rubber, silicone rubber, fluorosilicone rubber, thermoplastic polyurethane rubber and other special rubber

65. Engineering plastics and plastic alloy production: polyphenylene sulfide, polyether ether ketone, polyimide, polysulfone, polyethersulfone

Polyarylenes (PAR), polyphenylene ethers, special polyamides (PA) and their modified materials, liquid crystal polymers and other products

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

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

68. Production of natural fragrances, synthetic fragrances, single isolated fragrances and intermediates of fragrance components, citral

69. High performance coatings, adhesives, high solids, water-based, powder, radiation curing, solvent-free and other low VOCs 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 fluorine resin, fluorine film materials, medical fluorine intermediates, zero ODP and low cost in compliance with international conventions

GWP production of refrigerants, cleaning agents, foaming agents, etc.

71. Development, storage, transportation, and liquefaction of hydrogen fuel green preparation technologies (chemical by-product hydrogen production,

biological hydrogen production, electrolytic water production from renewable energy sources, etc.)

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

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

74. Recovery of fluorine resources from phosphorus chemical and aluminum smelting production

75. Forestry chemical products new technology, new product development, production

76. Development and production of inorganic, organic and biofilms for environmental protection

77. New fertilizer development and production: high concentration potassium fertilizer, compound microbial inoculant, compound microbial fertilizer, straw and garbage rotting agent, special function microbial preparation, humic acid fertilizer

78. The development and production of new varieties of highly efficient, safe and environmentally friendly pesticides, new dosage forms, special intermediates and additives, as well as the development and application of related clean production processes, chiral and stereospecific pesticide production by directed synthesis

79. Biopesticide and biological control product development and production: microbial insecticide, microbial fungicide, agricultural antibiotics, biostimulants, insect pheromones, natural enemy insects, microbial herbicides

80. Exhaust gas, waste liquids, waste residue comprehensive utilization and treatment, disposal

81. Organic polymer materials production: aircraft skin coating, rare earth cerium sulfide red dye, lead-free electronic packaging materials, color plasma display special series of lithography paste, small diameter and large surface area of ultra-fine fibers, high-precision fuel filter paper, surface treatment self-healing materials, super hydrophobic nano-coating materials, ultra-high-folding optical resin materials, environmentally friendly recyclable solar modules with co-extruded backsheet and backsheet with plastic materials Automotive start-stop lead battery diaphragm, energy storage lead battery diaphragm

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

83. Low carbon upgrading process development for petrochemical feedstock: electrically driven ethylene cracking; reverse water gas conversion and partial oxidation process to convert carbon dioxide with light hydrocarbons as feedstock to carbon monoxide

(xi) pharmaceutical manufacturing

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

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

86. Development and production of new anti-cancer drugs, new cardiovascular drugs and new neurological drugs

87. Novel drug production using bioengineering technology

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

Product

89. Development and production of marine drugs

90. Drug formulation production: new dosage forms and new products using new technologies such as slow release, controlled release, targeting and

transdermal absorption

product

91. Development and production of new pharmaceutical excipients
92. Animal-specific antibacterial API production (including antibiotics, chemical synthesis class)
93. Veterinary antibacterial drugs, anthelmintics, anthelmintics, anticoccidial drugs, new products and new dosage forms production
94. Development and production of new diagnostic reagents
95. Cell therapy drug research and development and production (except in areas where foreign investment is prohibited)
96. Development of new key raw materials for the production of vaccines, cell therapy drugs, etc., large-scale cell culture products, and

Production

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

(biodegradable, functional materials with light avoidance and high barrier properties, COP cyclic olefin polymer drug packaging materials, new packaging drug delivery systems and drug delivery devices such as aerosol, powder aerosol, self-administration, pre-fill, automatic drug mixing)

98. Development and production of drugs for rare diseases and pediatric specialty drugs

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

(Xii) chemical fiber manufacturing

100. Differentiated, functional polyester (PET) continuous copolymer modification [cationic dye dyeable polyester (CDP, ECDP), alkali-soluble polyester (COPET), high shrinkage polyester (HSPET), flame retardant polyester, low melting point polyester, non-crystalline polyester, biodegradable polyester, polyester produced with green catalysts, etc.]; flame retardant, anti-static, anti-UV, anti-bacterial, phase change energy storage, photochromic, primary coloring, etc, Photochromic, original liquid coloring and other differentiated, functional chemical fibers of efficient and flexible preparation technology research and development; intelligent, super simulation and other functional chemical fiber production; original development of high-speed spinning processing with green and efficient environmental protection oil production

101. Development and production of high-performance fibers and products: carbon fiber (CF), ~~and~~ (AF), ~~amid~~(PSA) ultra-high molecular weight polyethylene fiber (UHMWPE), polyphenylene sulfide fiber (PPS), polyimide fiber (PI) polytetrafluoroethylene fiber (PTFE), polybenzobisoxazole fiber (PBO), polyarylene oxadiazole fiber (POD), basalt fiber (BF)), silicon carbide fiber (SiCF), polyether ether ketone fiber (PEEK), high strength glass fiber (HT-AR), poly(2,5-dihydroxy-1,4-phenylene pyridinediimidazole) (PIPD) fiber

102. New polyester production for fiber and non-fiber: poly(propylene terephthalate) (PTT), poly(ethylene naphthalate) (PEN), poly(cyclohexane dimethanol) terephthalate (PCT), diol-modified poly(ethylene terephthalate) (PETG), poly(lactic acid) (PLA, from non-food biomass)

103. Use of new renewable resources and green processes to produce biomass fibers, including new solvent method cellulose fibers (Lyocell), renewable

cellulose fibers made from bamboo, hemp, etc., polylactic acid fibers (PLA), chitin fibers, polyhydroxy fatty acid ester fibers (PHA), animal and plant protein fibers, polybutylene glycol succinate (PBS), etc.

104. Nylon 11, nylon 12, nylon 1414, nylon 46, nylon 56 (non-food biomass as raw material), long carbon chain nylon, high temperature resistant nylon and other new polyamides, differentiated, functional, high value-added modified nylon (including nylon elastomer, copolymer 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 organic silicon products
- 107. Development, production and application of biodegradable plastics and their products
- 108. Development and production of new light ecological multifunctional wide agricultural film and pollution-free degradable agricultural film
- 109. Sorting, recycling and reuse of waste plastics
- 110. Plastic flexible packaging new technology, new product (high barrier, multi-functional film and raw materials) development, production

(XIV) non-metallic mineral products industry

- 111. Energy saving, environmental protection, waste, light weight, high strength, high performance, multi-functional building materials development, production
- 112. Product development and production of mold injection and mold extrusion integrated molding
- 113. Plastic instead of steel, plastic instead of wood, energy-saving and efficient production of chemical building materials
- 114. Intelligent manufacturing of new assembly building components
- 115. Annual output of 10 million square meters and above elastomer, plastic modified asphalt waterproofing roll-roofing, wide (more than 2 meters) EPDM rubber waterproofing roll-roofing and supporting materials, wide (more than 2 meters) PVC waterproofing roll-roofing, thermoplastic polyolefin (TPO) waterproofing roll-roofing production
- 116. New technology functional glass development, production: infrared transmission of lead-free sulfur glass and products, optical performance of multifunctional windshield glass (light transmission $\geq 70\%$), coated privacy windshield glass, acoustic windshield glass, solar windshield glass, conductive color change windshield glass, electric heating windshield glass, head-up display windshield glass, vacuum glass, high purity ($\geq 99.998\%$) ultra-pure ($\geq 99.999\%$) Crystal raw material purification processing
- 117. Thin film cell power generation glass, solar collector glass, photovoltaic power generation glass for building production
- 118. 80,000 tons / year and above alkali-free glass fiber roving (single filament diameter > 9 micron) pool kiln drawing production, 50,000 tons / year and above

alkali-free glass fiber roving (single filament diameter ≤ 9 micron) pool kiln drawing production, ultra-fine glass fiber

(monofilament diameter ≤ 5 micron), biodegradable glass fiber, shaped cross-section glass fiber, alkali-resistant glass fiber, low dielectric glass fiber, quartz glass fiber, high silica glass fiber, high strength and high elasticity glass fiber, ceramic fiber and other high-performance and special glass fiber production, glass fiber mat, cloth and other products production

119. Optical fiber and products production: image transmission beam and laser medical fiber, super second and third generation microchannel plate, optical fiber panel, inverter and glass light cone

120. Standardized refinement of ceramic raw materials, production of high-grade decorative materials for ceramics

121. Long-life energy-saving and environment-friendly (chromium-free) refractory production for kilns of cement, electronic glass, ceramics, microporous carbon bricks, etc.

122. Porous ceramic 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 gelling materials, special latex materials, hydroacoustic rubber products, nano-materials

124. Organic - inorganic composite foam insulation material production, building high-performance energy-saving insulation materials, modern concentrated agricultural farming insulation isolation material production

125. High-tech composite materials production: continuous fiber reinforced thermoplastic composites and prepregs, temperature resistance $> 300^{\circ}\text{C}$ resin matrix composite molding process auxiliary materials, biodegradable resin matrix composites, resin matrix composites for additive manufacturing, resin matrix composites (including sporting goods, lightweight and high-strength transportation components), special functional composites and products (including deep water and diving composite products, medical and rehabilitation composite products), carbon/carbon composites, high-performance ceramic-based composite materials and products, metal-based and glass-based composites and products, metal laminated composites and products, pressure $\geq 320\text{MPa}$ ultra-high pressure composite hose, large passenger aircraft aviation tires, polyester structural foam (for lightweight and high-strength transportation components, wind power blade core, construction 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 micro powder (purity $> 99.9\%$, average particle size $< 0.5\mu\text{m}$), low-temperature sintered zirconia (ZrO_2) powder (sintering temperature $< 1350^{\circ}\text{C}$), high-purity aluminum 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-transmitting crystals), super hard crystals (cubic boron nitride crystals), high temperature 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 artificial diamond saw blades of 0.3mm thickness and below

- 128. Fine processing of non-metallic minerals (ultrafine grinding, high purity, refining, modification)
- 129. Ultra-high power graphite electrode production
- 130. Pearl mica production (particle size 3-150 μ m)
- 131. Multi-dimensional and multi-directional overall compilation fabric and imitation fabric production
- 132. The use of new dry process cement kilns, sintered wall materials production of environmentally sound disposal of solid waste
- 133. Construction waste recycling

134. Comprehensive utilization of industrial waste such as industrial by-product gypsum

135. New Technology Development and Application of Comprehensive Utilization of Tailings in Non-metallic Mines and Mine Ecological Restoration

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 production: 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 carbide, superhard composite materials, precious metal composites, light metal composites, a new generation of information technology industry, aerospace equipment, electric power equipment, advanced rail transportation 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 with high-performance light metal and copper alloy materials deep processing, aluminum foam, 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. High-performance aluminum, titanium and boron grain refinement agent production

(XVI) metal products industry

140. Aviation, aerospace, shipping, automotive, motorcycle lightweight and environmentally friendly new materials research and development, manufacturing (special aluminum plate, aluminum-magnesium alloy materials, motorcycle aluminum alloy frame, etc.)

141. Metal packaging products used to package the contents of various types of grain and oil food, fruits and vegetables, beverages, daily chemical products, etc.

(should be complete products, container wall thickness of less than 0.3 mm)

manufacturing and processing (including the internal and external wall printing and coating processing of products)

142. Manufacture of steel fibers for construction

(XVII) general equipment manufacturing

143. High-grade CNC machine tools and key components manufacturing: five-axis CNC machine tools, CNC coordinate boring and milling machining center, CNC coordinate grinding machine

144. Large (furnace capacity of 1 ton or more) multifunctional controlled atmosphere heat treatment equipment, programmable chemical heat treatment equipment

Equipment, program-controlled multi-functional vacuum heat treatment equipment and furnace capacity of 500 kg or more vacuum heat treatment equipment, full fiber lining heat treatment heating furnace manufacturing

145. End-of-life vehicle dismantling, crushing and reprocessing sorting equipment manufacturing

146. FTL Flexible Line Manufacturing

147. High-end precision tool manufacturing, nano-composite coating and high-end processing equipment production and manufacturing

148. Submicron ultra-fine pulverizer manufacturing
149. 400 tons and above wheeled, crawler crane manufacturing
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 multiway valve, electro-hydraulic proportional servo components manufacturing
152. Valve island, power 0.35W following pneumatic solenoid valve, 200Hz or more high-frequency electric control valve design and manufacture
153. The use of temperature below $-120\text{ }^{\circ}\text{C}$ or $530\text{ }^{\circ}\text{C}$ above the production of valves
154. Hydrostatic drive design and manufacture
155. Development and manufacture of non-contact gas film seals and dry gas seals (including experimental devices) for pressures of 10MPa or more
156. Repeat accuracy less than or equal to 0.03 degrees, axial runout less than or equal to 0.02mm Pneumatic actuator design, manufacturing
157. Noise and vibration pollution control equipment manufacturing: sound barriers, mufflers, damped spring vibration isolators
158. Development and manufacture of equipment for polymer materials for automobiles (friction plates, modified phenolic pistons, non-metallic hydraulic master distributor pumps, etc.)
159. The second generation of wheel bearings for commercial vehicles (THU2), the third generation and above of wheel bearings for cars, bearings for high-grade CNC machine tools and machining centers, bearings for high-speed wire rod and plate mills, bearings for high-speed railroads, low-noise bearings with vibration values below Z4, P4 and P2 bearings for various types of bearings, bearings for wind turbines, bearings for aviation, bearings for aircraft engines and other aviation bearings, bearings for medical CT machines, bearings for deep-well Super deep well oil drilling rig bearings, marine engineering bearings, electric vehicle drive motor system high-speed bearings (speed $\geq 12,000\text{ rpm}$), industrial robot RV reducer harmonic reducer bearings, shield machine bearings, machining CNC machine tools, large bearing heat treatment equipment manufacturing
160. Manufacturing of gear transmissions for high-speed trains, variable pitch gear transmission systems for ships, large and heavy-duty gearboxes

- 161. High temperature resistant insulation materials (insulation class F, H) and insulation molding parts manufacturing
- 162. Accumulator capsules, hydraulic and pneumatic rubber and plastic seals development and manufacturing
- 163. High-precision, high-strength (12.9 grade or higher), shaped, combined class fastener manufacturing
- 164. Micro precision transmission coupling (clutch) manufacturing
- 165. Manufacturing of large rolling mill connecting shafts
- 166. Machine tools, construction machinery, railroad locomotive equipment and other machinery and equipment remanufacturing, auto parts remanufacturing

167. 10 million pixels or more than the horizontal field of view of more than 120 degrees digital camera and its optical lens, photoelectric module development, manufacturing

168. Office machinery (including industrial use) manufacturing: multifunctional integrated office equipment (copy, print, fax, scan), printing equipment, precision 2400dpi and above high-resolution color printer head, photoconductor drum

169. Film machinery manufacturing: 2K, 4K digital film projectors, digital film cameras, digital video production, editing equipment

170. Ship pollutant port reception and disposal facilities construction and equipment manufacturing, port hazardous chemicals, oil emergency facilities construction and equipment manufacturing

171. Industrial water-saving processes, technology development and application and related equipment manufacturing

(XVIII) special equipment manufacturing

172. Mining trackless mining, loading, transport equipment manufacturing: 200 tons and above electric wheel mining dump truck, mobile crusher, 5000 cubic meters / hour and above bucket wheel excavator, 8 cubic meters and above mining loader, more than 2500 kilowatts of electric traction coal mining equipment, etc.

173. Physical exploration (excluding gravity, magnetic measurement), logging equipment manufacturing: MEME seismic geophone, digital telemetry seismometer, digital imaging, CNC logging systems, horizontal wells, directional wells, drilling rig equipment and apparatus, MWD with drilling logging instrument

174. Oil exploration, drilling, gathering equipment manufacturing: working water depth greater than 1500 meters of floating drilling systems and floating production systems and supporting subsea oil recovery, gathering equipment

175. More than 2 meters in diameter and more than 30 meters in depth, large diameter rotary drilling rig, more than 1.2 meters in diameter pipe jacking rig, back

Drag force of more than 300 tons of large non-excavation laying underground pipeline equipment, underground diaphragm wall construction drilling rig manufacturing

176. 520 horsepower and above large bulldozer design, manufacturing

177. 100 cubic meters / hour and above specifications of dredging machine, 1000 tons and above dredger dredging device design, manufacturing

178. Flood control dams with concrete impermeable wall construction equipment design, manufacturing
179. Civil engineering structure seismic mitigation device manufacturing
180. Underwater earthwork construction machinery manufacturing: bulldozers, loaders, excavators, etc. below 9 meters water depth
181. Highway bridge maintenance, automatic inspection equipment manufacturing
182. Highway tunnel operation monitoring, ventilation, disaster prevention and rescue system equipment manufacturing
183. Railroad large-scale construction, railroad lines, bridges, tunnels, repair and maintenance of machinery and inspection, monitoring equipment and

Design and manufacture of its key components

184. Multi-element, fine-grained, hard-to-sort metallic minerals beneficiation device manufacturing
185. 1 million tons / year and above ethylene sets of key equipment manufacturing: annual processing capacity of 400,000 tons to Upper mixing granulator, 1000 mm diameter and above spiral discharge centrifuge, small flow and high head centrifugal pump
186. Design and manufacture of metal product dies (extrusion dies for tubes, bars and profiles of copper, aluminum, titanium and zirconium)
187. Design and manufacture of stamping molds for exterior auto body coverings, large injection molds for auto instrument panels and bumpers, auto and motorcycle fixtures and inspection tools
188. Design and manufacture of special production equipment for automotive power batteries
189. Precision mold (stamping mold accuracy higher than 0.02 mm, cavity mold accuracy higher than 0.05 mm) design, manufacturing
190. 6 million 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, enzyme preparations, food additives and other production technologies and key equipment manufacturing
192. 10 tons / hour and above of feed processing equipment and key components manufacturing
193. Flute height 0.75 mm and below the light corrugated board and carton equipment manufacturing
194. Sheetfed multi-color offset press (width ≥ 750 mm, printing speed: single-sided multi-color $\geq 16,000$ / h, double-sided multi-color $\geq 13,000$ / h) manufacturing
195. Single web lithographic printing speed $> 75,000$ folios/hour (787 x 880) (787 x 880 mm), double-width single-pass web lithographic presses with printing speeds greater than 170,000 folios per hour (787 x 880 mm), and commercial web lithographic presses with printing speeds greater than 50,000 folios per hour (787 x 880 mm) manufacturing
196. Multi-color wide flexographic printing machine (printing width ≥ 1300 mm,

printing speed ≥ 350 m / s), inkjet digital printing machine (for publishing: printing speed ≥ 150 m / min, resolution ≥ 600 dpi; packaging: printing speed (≥ 30 m / min, resolution ≥ 1000 dpi; for variable data: printing speed ≥ 100 m / min, resolution ≥ 300 dpi) manufacturing

197. Computerized ink color presetting, ink color 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, paper feeder and high-speed folding machine with automatic remote adjustment, automatic overprinting system, cooling device, silicon addition system, deflection device, etc.

198. Automatic Electronic Gun Coating Machine Manufacturing

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

development, manufacturing: grain, oil, vegetables, dried and fresh fruit, meat, aquatic products and other products processing and storage, preservation, grading, packaging, drying and other new equipment, agricultural products quality testing instruments and equipment, agricultural products quality non-damage testing instruments and equipment, rheometer, powder quality instrument, ultra-micro crushing equipment, high-efficiency dehydration equipment, more than five-effect high-efficiency juice concentration equipment, powder food Material sterilization equipment, solid and semi-solid food aseptic packaging equipment, disc type separation centrifuge

204. Agricultural machinery manufacturing: agricultural facilities and equipment (greenhouse automatic irrigation equipment, nutrient solution automatic configuration and fertilization equipment, efficient vegetable nursery equipment, soil nutrient analysis instruments), supporting engine power of 200 kW or more tractors and supporting farm equipment, low fuel consumption, low noise and low emissions diesel engines, large tractors supporting sprayers with residual mist particle recovery device, high-performance rice transplanters, cotton pickers and Cotton picking table, adapt to a variety of row spacing self-propelled corn combine harvester (hydraulic or mechanical drive), peanut harvester, rapeseed harvester, sugar cane harvester, sugar beet harvester, self-propelled grape harvester

205. Forestry facilities and equipment manufacturing: intelligent greenhouses for seedlings and flowers, precision irrigation, fertilization, seedling nursery and other equipment, analysis instruments for seedling dry diameter and leaf root runoff, seed vigor, soil nutrients, etc., high-power (240KW) forestry chassis and their supporting equipment, multifunctional land preparation, tree planting, nurturing, harvesting, timber collection and other small and medium-sized machines, afforestation machinery for difficult sites, forestry residue collection, baling, wood chipping, crushing and its Comprehensive utilization of the machine, large and medium-sized plant protection and spraying machine, small precision application

equipment or bionic application robot, forest tree ball fruit collection, oil fruit harvesting machine, large and medium-sized tree transplanting machine, shrub stubble equipment, efficient pruning equipment, forest storage volume rapid measurement equipment 206. wood processing equipment manufacturing: rapid color recognition technology equipment, rapid solid wood panel measuring equipment, fast Quick knot detection equipment, solid wood surface defects detection equipment, sawn wood making complete sets of equipment technology, artificial plate surface defects rapid detection equipment, online quality grading equipment, rotary cut veneer quality online detection equipment, solid wood furniture paint sanding dust treatment equipment, board furniture board fast sorting equipment, furniture manufacturing intelligent warehouse

207. Forestry disaster monitoring equipment manufacturing: forestry rapid rescue equipment, high-precision navigation and positioning equipment, UAV fire, disaster monitoring and early warning equipment, fire suppression, pest control equipment

208. Crop straw collection, baling and comprehensive utilization of equipment manufacturing

209. Resource utilization of agricultural waste and large-scale livestock breeding waste resource utilization equipment manufacturing

- 210. Leather, fur and its products advanced intelligent manufacturing processing special equipment manufacturing
- 211. Fertilizer saving, saving (agricultural) medicine, water-saving agricultural technology equipment manufacturing
- 212. Electromechanical well cleaning equipment and cleaning drug production equipment manufacturing
- 213. Electronic Endoscope Manufacturing
- 214. Fundus camera manufacturing
- 215. Medical imaging equipment (high-field superconducting magnetic resonance imaging equipment, X-ray computed tomography imaging equipment, digital color ultrasound diagnostic equipment, etc.), medical imaging intelligent aided diagnostic systems and key components of the manufacturing
 - 216. Medical ultrasound transducer (3D) manufacturing
 - 217. Boron neutron capture treatment equipment manufacturing
 - 218. Image Guided Intensity Modulated Radiation Therapy System Manufacturing
 - 219. Hemodialysis machine, blood filtration machine manufacturing
 - 220. Automatic biochemical monitoring equipment, five categories of blood cell analyzer, automatic chemiluminescence immunoassay analyzer, high-throughput gene sequencing system, molecular diagnostic equipment manufacturing
 - 221. Drug quality control new technology, new equipment manufacturing
 - 222. New technology for analysis of active substances of natural drugs, new process of 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 blowing equipment manufacturing
 - 225. Artificial intelligence-assisted medical device manufacturing
 - 226. High-end radiotherapy equipment manufacturing
 - 227. High-end surgical instruments, physical therapy and rehabilitation equipment, wearable intelligent health equipment manufacturing
 - 228. Life support equipment for critical care manufacturing
 - 229. Mobile and remote medical equipment manufacturing
 - 230. Ventilator, ECMO, monitor, PCR instrument manufacturing

231. Development and production of minimally invasive surgical medical equipment: 3D imaging, electronic microscope, surgical robot, robotic arm, hearing aid and cochlear implant, etc.

232. Holmium laser and carbon dioxide laser treatment products development, production

233. New stents, prostheses and other high-end implant intervention devices and materials and additive manufacturing technology development and application

234. Emergency rescue equipment production and manufacturing

235. New textile machinery, key components and textile testing, laboratory instrument development, manufacturing

- 236. Computerized jacquard artificial fur machine manufacturing
- 237. High-tech solar cell production special equipment manufacturing
- 238. Carbon Capture Utilization and Storage (CCUS) equipment manufacturing, greenhouse gas monitoring and measurement equipment manufacturing
- 239. Air pollution control equipment manufacturing: low NO_x combustion devices, flue gas denitrification catalysts and denitrification sets of devices, industrial organic waste gas purification equipment, diesel exhaust purification devices, heavy metal-containing waste gas treatment devices
- 240. Water pollution control equipment manufacturing: horizontal spiral centrifugal dewatering machine, membrane and membrane materials, ozone generator above 50kg/h, chlorine dioxide generator above 10kg/h, ultraviolet disinfection devices, rural small domestic sewage treatment equipment, wastewater treatment devices containing heavy metals
- 241. Solid waste treatment and disposal equipment manufacturing: sewage treatment plant sludge disposal and resource utilization equipment, landfill leachate treatment technology and equipment, construction waste treatment and resource utilization equipment, hazardous waste treatment devices, landfill methane generation and power generation devices, scrap iron and steel treatment equipment, centralized medical waste disposal facilities
- 242. Aluminum industry red mud comprehensive utilization equipment development, manufacturing
- 243. Tailings comprehensive utilization equipment manufacturing
- 244. Waste and scrap plastics, electrical appliances, rubber, battery recycling treatment and recycling equipment manufacturing
- 245. Waste textile recycling processing equipment manufacturing
- 246. Manufacturing of remanufacturing equipment for used and waste electrical and mechanical products
- 247. Waste heat, waste pressure and waste gas utilization equipment manufacturing
- 248. Environmental protection technology for aquatic ecosystems, equipment manufacturing
- 249. Mobile combined water purification equipment manufacturing
- 250. Unconventional water treatment, reuse equipment and water quality

monitoring instruments manufacturing

- 251. Industrial water pipeline networks and equipment (appliances) leak detection equipment and instruments manufacturing
- 252. Daily capacity of 100,000 cubic meters and above desalination and recycling cooling technology and complete sets of equipment development, manufacturing
- 253. Iron and steel, paper, textile, petrochemical, chemical, metallurgical and other high water-consuming industries, water-saving industrial equipment manufacturing
- 254. Special weather observation and analysis equipment manufacturing
- 255. Seismic stations, station networks and mobile seismic observation technology system development and instrumentation manufacturing
- 256. Rolling resistance tester, tire noise test chamber manufacturing
- 257. Heating metering, temperature control devices, new technology equipment manufacturing
- 258. Hydrogen energy preparation and storage equipment and inspection system manufacturing
- 259. New heavy residual oil gasification atomization nozzle, high efficiency steam trap with 0.5% steam leakage rate and below, 1000°C and

Above high temperature ceramic heat exchanger manufacturing

260. Offshore oil spill recovery device manufacturing

261. Low concentration coal mine gas and spent air utilization equipment manufacturing

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

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

264. Intelligent emergency medical rescue equipment manufacturing

265. Hydrological monitoring sensor manufacturing

266. Nuclear reactor main process equipment design, research and development, manufacturing

267. Development and production of diamond composite chips (PDC drill bits)

268. Online analysis technology of sand and gravel grain shape and gradation and its equipment development and production

269. Precision electronic mold development and production

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

271. Ski ice heavy equipment, light equipment; passenger ropeways, snow machines, snow presses and other special equipment industry research and development, production

272. Closed negative pressure drainage trauma protection materials, bacterial cellulose film and polyurethane foam dressings and other polymer materials dressing manufacturing

273. Five layers and above co-extrusion unidirectional and bidirectional oriented film production line construction, barrier coating production line construction

(XIX) automotive manufacturing

274. Automobile engine manufacturing and engine R & D institution construction: not less than 70 kilowatts of gasoline engine power

The machine, the power of not less than 50 kilowatts of diesel engines with a displacement of 3 liters or less, the power of not less than 40 kilowatts of displacement

More than 3 liters of diesel engines, fuel cells and hybrid fuel and other new energy engines

275. Automotive key components manufacturing and key technology development: dual clutch transmission (DCT), continuously variable automatic transmission (CVT), electronically controlled mechanical transmission (AMT), gasoline engine turbocharger, viscous coupling (for four-wheel drive), automatic transmission actuator (solenoid valve), hydraulic retarder, electric eddy current retarder, inflator for automotive airbags, 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 device to meet China's sixth stage of pollutant emission standards, intelligent torque management system (ITM) and coupler assembly, wire control steering system, particle catcher, low-floor axles for large buses, energy-absorbing steering system, low

Drag disc brake assembly, aluminum steering knuckle, medium and large buses, inverter air conditioning system, special rubber parts for automobiles, as well as key parts and components of the above components

276. Automobile electronic device research and development, manufacturing: engine and chassis electronic control system and key components, electronic control system input (sensor and sampling system) output (actuator) components, electric power steering system electronic controller, embedded electronic integration system, electronically controlled air springs, electronically controlled suspension system, electronic valve system device, electronic combination instrument, ABS/TCS/ESP system, circuit brake system (BBW), transmission electronic control unit (TCU), tire pressure monitoring system (TPMS), vehicle fault diagnostic device (OBD), engine anti-theft system, automatic collision avoidance system, automobile and motorcycle type test and repair with testing system, automatic driving system, vehicle electronic operating system, vehicle electronic operating system application program development (APP), head-up display technology, vehicle avoidance steering assistance system, collision warning system (FCW), automatic brake control system (ABC) automatic emergency braking system (AEB), electronic parking brake system (EPB), lane control action system, adaptive cruise control system (ACC), front view camera system, wheel speed sensor

277. R & D and manufacturing of key components for new energy vehicles: energy-based 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% of the efficiency of the work area $\geq 80\%$), 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 electromechanical coupling drive system; fuel cell engine (mass specific power $\geq 350\text{W/kg}$), fuel cell stack (volume specific power $\geq 3\text{kW/L}$), membrane electrode (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 circulation pump, hydrogen emitter, humidifier, fuel cell control system, boost DC/DC, 70MPa hydrogen bottle, vehicle hydrogen concentration sensor; electric vehicle with heat pump air conditioning; motor drive control dedicated 32-bit and above chip (not less than 2 hardware cores) (not less than 180MHz main frequency, with hardware encryption and other functions, the chip design to meet the functional safety ASIL C requirements); 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 aluminum plastic film (thickness $152\mu\text{m}\pm 10\%$, outer layer peel strength $\geq 6.5\text{N/15mm}$, inner layer peel strength $\geq 10\text{N/15mm}$, inner layer of electrolyte-resistant peel strength $\geq 9.0\text{N/15mm}$, formability $\geq 5.5\text{mm}$)

278. Vehicle chargers (full-load output conditions 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 of intelligent vehicles: sensors, vehicle chips, central processors, vehicle operating systems and information control systems, vehicle network communication system equipment, visual recognition systems, wire control chassis systems; new intelligent terminal modules, multi-core heterogeneous intelligent computing platform technology, sensor fusion perception technology, key technologies for vehicle wireless communication, basic cloud control platform technology; new security isolation architecture technology, Software and hardware collaborative attack identification technology, terminal chip security encryption and application software security protection technology, wireless communication security encryption technology, secure communication and authentication authorization technology, data encryption technology; test and evaluation system architecture research and development, virtual simulation, real vehicle road test and other technologies and verification tools, vehicle-level and system-level test and evaluation methods, test base database construction

280. Hardware and key components manufacturing related to L3/L4/L5 autonomous driving: LIDAR, millimeter wave radar, smart camera

281. Charging pile, energy storage charging pile manufacturing, charging / energy storage integrated energy-saving integrated facilities or solutions development, manufacturing

(xx) railroads, ships, aerospace and other transport equipment manufacturing

282. China's motorcycle emissions standards to meet the fourth stage of pollutant emissions of large displacement (displacement $> 250\text{ml}$) motorcycle engine emission control device manufacturing

283. Civilian aircraft design, manufacturing, maintenance: mainline, regional aircraft, general aviation

284. Civilian aircraft parts manufacturing, maintenance

- 285. Civilian helicopter design, manufacturing
- 286. Civilian helicopter parts manufacturing
- 287. Ground, water effect vehicle manufacturing and unmanned aircraft, floatplane design, manufacturing
- 288. Aero-engine and parts, aviation auxiliary power system design, manufacturing, maintenance
- 289. Development and production of new materials for aerospace
- 290. Civil aviation airborne equipment design, manufacturing
- 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, aviation material trial special equipment, civil aircraft ground receiving and application equipment, launch vehicle ground test equipment, launch vehicle mechanics and environmental experimental equipment, mopless flying

Machine traction equipment, containerized cargo loaders, aircraft de-icing equipment

292. Civilian satellite design, manufacturing, civil satellite payload manufacturing

293. Civilian satellite parts manufacturing

294. Star on product testing equipment manufacturing

295. Design and development of large and medium-sized cruise ships, small cruise ships, cruise ship interior decoration, digital audio and video, information systems and other professional supporting research and development, manufacturing

296. Design and development of new marine engineering equipment such as deep-sea farming platforms, large farming vessels, deep-sea mineral resources development equipment, etc.

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, etc.

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

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

300. Design, development of yachts and professional supporting equipment

301. Overall design of intelligent system of intelligent ships and design, development of intelligent sensing system, intelligent navigation system, intelligent energy efficiency management system, etc.

302. Design, research and development of offshore oil and gas equipment such as deep-sea oil and gas drilling rigs (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 special systems such as single point mooring systems, liquid cargo containment systems, and underwater production systems

305. Design, development of green and intelligent equipment such as ship assembly construction precision management control, digital shipbuilding, pre-outfitting and modularization, high-efficiency welding, green painting, ultra-high-

pressure water descaling, intelligent welding production line, intelligent segmentation assembly line, intelligent pipe processing production line, etc.

(xxi) electrical machinery and equipment manufacturing

306. 1 million kilowatts of ultra-supercritical thermal power units with key auxiliary equipment manufacturing: safety valves, control valves

307. Design and manufacture of seals for thermal power equipment

308. Key auxiliary equipment manufacturing for hydropower units

309. Power transmission and transformation equipment and key components manufacturing

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

Tidal power generation, wave power generation, waste power generation, biogas generation and power generation; large size heterogeneous junction matrix material manufacturing

311. Stirling Generator Set Manufacturing

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

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

314. The motor uses DC speed control technology for refrigeration and air conditioning compressors, using CO₂ natural gas refrigeration and air conditioning compressors, the application of renewable energy (air source, water source, ground source) refrigeration and air conditioning equipment manufacturing

315. Solar air conditioning, heating systems, solar drying device manufacturing

316. Biomass drying pyrolysis system, biomass gasification device manufacturing

317. Biogas raw material pretreatment and feeding, fermentation, purification, methane treatment device manufacturing

318. AC frequency and voltage regulation traction device manufacturing

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

(xxii) computer, communications and other electronic equipment manufacturing

320. HD digital camcorder, digital playback equipment manufacturing

321. TFT-LCD, OLED, AMOLED, laser display, quantum dots, 3D display and other flat panel displays, display materials manufacturing (except for 6 generations and 6 generations of TFT-LCD glass substrates)

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

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

324. 8-inch diameter and larger silicon single crystal manufacturing

325. Wafer manufacturing for 12-inch diameter and larger

326. Large-screen color projection display with optical engines, light sources, projection screens, high-definition projection tubes and microdisplay projection equipment modules and other key components manufacturing

327. Laser projection equipment manufacturing

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

329. Digital audio and video encoding and decoding equipment, digital radio and television studio equipment, digital cable television system equipment, digital audio broadcasting transmitting equipment, digital television up and down converter, digital television terrestrial broadcasting single frequency network

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

330. IC design, line width of 28 nm and below, large-scale digital IC manufacturing, 0.11 micron and below, analog, digital-analog IC manufacturing, mask version manufacturing, MEMS and compound semiconductor IC manufacturing and BGA, PGA, CSP, MCM, LGA, SIP, FC, WLP and other advanced packaging and testing

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

332. Development and manufacturing of new mechanism computer systems such as quantum and brain-like

333. Key equipment development and manufacturing for ultra-large-scale integrated circuit manufacturing

334. Integrated circuit packaging and test equipment manufacturing

335. Computer digital signal processing system and board manufacturing

336. Graphic image recognition and processing system manufacturing

337. Large-capacity optical and disk drives and their components development and manufacturing

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), aided testing (CAT) aided manufacturing (CAM), aided engineering (CAE) systems and other computer applications for manufacturing

340. Software product development, production

341. Electronic special materials development, manufacturing (except fiber optic preform development and manufacturing); surface packaging technology (Development and manufacture of lead-free solder paste and high-purity (electronic grade) polysilicon materials for SMT

342. Electronic special equipment, test instruments, tooling manufacturing

343. New electronic components manufacturing: chip components, sensitive components and sensors, frequency control and selection components, hybrid integrated circuits, power electronics, optoelectronic devices, new electromechanical components, polymer solid capacitors, supercapacitors, passive

integrated components, high-density interconnected laminates, single-layer, double-layer and multi-layer flexible boards, rigid-flexible printed circuit boards and packaging and loading boards, high-density high-fine line (line width / Line spacing $\leq 0.05\text{mm}$) flexible circuit boards, etc.

344. Touch system (touch screen, touch component, etc.) manufacturing and assembly

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

346. Luminous efficiency of $140\text{lm} / \text{W}$ or more high-brightness light-emitting diodes, luminous efficiency of $140\text{lm} / \text{W}$ or more light-emitting diode epitaxial wafer (blue), luminous efficiency of $140\text{lm} / \text{W}$ or more and power 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. 3D printing equipment and its key components R & D, manufacturing
 - 350. Satellite communication system equipment manufacturing
 - 351. Optical communication measurement instruments, the rate of 40Gbps and above optical transceiver manufacturing
 - 352. Ultra-wideband (UWB) communications equipment manufacturing
 - 353. Wireless LAN (including support for WAPI), wide area network equipment manufacturing
 - 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.), next-generation DSL chips and equipment, optical cross-connect equipment (OXC), automatic optical switching network equipment (ASON), 40Gbps or above SDH fiber optic communication transmission equipment Manufacturing
 - 355. IPv6-based next-generation Internet system equipment, terminal equipment, testing equipment, software, chip development, manufacturing
 - 356. Fourth-generation and fifth-generation and subsequent mobile communication systems, cell phones, base stations, core network equipment, optical transmission equipment, network testing equipment development, manufacturing
 - 357. Development and manufacturing of vision sensors (digital cameras, digital cameras, 3D sensors, LIDAR, millimeter wave radar, etc.) and their core components (optical lenses and lenses, lasers, light-sensitive chips, motors, optoelectronic modules, etc.) and IoT terminals for fifth-generation mobile terminals (cell phones, automobiles, drones, virtual reality and augmented displays, etc.)
 - 358. Cloud computing equipment (including servers, storage devices cloud and cloud service equipment high-precision institutional components, etc.), software and system development
 - 359. High-end routers with a total processing capacity greater than 6.4Tbps (bidirectional), switching capacity greater than 40Tbps
- Development and manufacture of switches

- 360. Air traffic control system equipment manufacturing
- 361. Sound, light, electricity, touch and other computer information technology based on electronic teaching aids for Chinese medicine, virtual pathology, physiological model of human equipment development, manufacturing
- 362. Wearable intelligent devices, intelligent unmanned aerial vehicles and other intelligent consumer equipment manufacturing
- 363. Smart home platform system and equipment manufacturing
- 364. Development and production of electronic grade glass fiber cloth for copper laminates

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

366. Wafer Fabrication and Regeneration

367. Research and development, manufacturing of intelligent health and elderly products (elderly products and auxiliary products manufacturing, elderly medical equipment and rehabilitation aids manufacturing, elderly intelligent and wearable equipment manufacturing, etc.)

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

369. High-purity electronic chemicals, high-performance photoresist development and production

370. New technology functional glass development and production: shielding electromagnetic wave glass, glass substrates for microelectronics, electronic-grade large-size quartz glass products (tubes, plates, dry pots, instruments and vessels, etc.), 10.5 generation and above TFT-LCD substrate glass, high-performance lithium aluminum silicon glass, OLED glass, touch glass, flexible glass and other electronic information display glass, extreme materials and products for information technology (including waveguide (including waveguide, high-precision optical fiber prefabricated rod quartz glass casing and ceramic substrate)

371. Sapphire substrate development and production

(xxiii) instrumentation manufacturing

372. Soil moisture monitoring equipment manufacturing

373. Industrial process automatic control system and device manufacturing: field bus control system, large programmable logic controller (PLC), two-phase flowmeter, solids flowmeter, new sensors and field measurement instruments

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

375. Large-scale precision instruments, high-resolution microscope (resolution less than 200nm) development, manufacturing

376. High precision digital voltmeter, ammeter manufacturing (display range

more than seven and a half digits)

- 377. Automatic reactive power compensation device manufacturing
- 378. Safety production of new instruments and equipment manufacturing
- 379. VXI bus-based automated test system (IEEE1155 international specification compliant) manufacturing
- 380. Coal mine underground monitoring and disaster forecasting system, coal safety inspection integrated management system development, manufacturing
- 381. Engineering survey and geophysical observation equipment manufacturing
- 382. Environmental monitoring instrument manufacturing
- 383. Wireless remote intelligent water meter manufacturing
- 384. Intelligent monitoring instrument manufacturing for reservoir dam safety

- 385. Hydrological data acquisition, processing and transmission and flood prevention and early warning instruments and equipment manufacturing
- 386. Marine exploration and monitoring instruments and equipment manufacturing
- 387. Municipal pipe network and water pipeline leakage monitoring instruments manufacturing
- 388. Nuclear instrumentation, instrumentation research and development and manufacturing
- 389. Glow discharge mass spectrometer development and production
- 390. Transmission electron microscope development, production

(XXIV) comprehensive utilization of waste resources industry

- 391. Coal washing and fly ash (including desulfurization gypsum), coal gangue and other comprehensive utilization
- 392. Production of fully biodegradable materials
- 393. Waste electrical and electronic products, automobiles, mechanical and electrical equipment, rubber, metal, battery recycling treatment
- 394. Comprehensive utilization of red mud and other smelting waste slag
- 395. Retired wind power blades and waste photovoltaic modules recycling treatment
- 396. Comprehensive utilization of Yellow River sediment

Fourth, electricity, heat, gas and water production and supply industry

- 397. The use of a single 600,000 kilowatts and above ultra-supercritical units of support and regulatory power construction, operation
- 398. The use of back-pressure type cogeneration, cogeneration and cooling multiple, 30 million kilowatts and above super (super) critical cogeneration unit power plant construction, operation
- 399. Single 30 million kilowatts and above, using circulating fluidized bed, pressurized fluidized bed, overall coal gasification combined cycle power generation and other clean coal power generation projects and the use of coal gangue, coal, coal sludge and other low calorific value coal power generation project construction, operation

- 400. Construction and operation of large hydropower plants and pumped storage power plants, mainly for power generation
- 401. Construction and operation of nuclear power plants
- 402. New energy power plants (including solar, wind, geothermal, tidal, tidal, wave, biomass, etc.) construction, operation
- 403. Construction and operation of natural gas peaking power stations and natural gas distributed energy stations in areas where gas supply is implemented
- 404. Development and application of complementary systems for gas-fired and renewable power generation
- 405. Garbage incineration power plant construction, operation
- 406. Construction and operation of clean energy microgrids

- 407. The use of natural gas, electricity and renewable energy-driven district energy supply (cooling, heating) project construction, operation
- 408. Seawater utilization (direct seawater utilization, seawater desalination), brackish water utilization
- 409. Consulting design, investment, construction and operation of water supply plants
- 410. Consulting design, investment, construction and operation of reclaimed water plants
- 411. Consulting design, investment, construction and operation of wastewater treatment plants, consulting design, investment, construction and operation of sludge treatment and disposal facilities
- 412. Motor vehicle charging station, battery replacement station construction, operation
- 413. Hydrogen refueling station construction and operation
- 414. Biogas project construction, operation
- 415. R&D, application and production of green plant insulating oil
- 416. New energy storage equipment research and development, manufacturing, construction and operation (including lithium-ion batteries, liquid flow batteries, compressed air, flywheels, hydrogen storage and other types of energy storage technology)
- 417. Power source, network, load and storage integration and multi-energy complementary power construction

V. Transportation, storage and postal services

- 418. Construction and operation of railroad trunk line network and special railroad lines
- 419. Intercity railroads, municipal (suburban) railroads, resource-based development railroads and feeder railroads and their bridges, tunnels and station facilities, the construction and operation of ferries
- 420. High-speed railroad, intercity railroad infrastructure comprehensive maintenance
- 421. Construction and operation of highways, independent bridges and tunnels
- 422. Road cargo transportation company

- 423. The construction of public port terminal facilities, operation
- 424. Construction and operation of civilian airports (not including air traffic control)
- 425. Public air transport companies
- 426. Agriculture, forestry and fisheries general aviation
- 427. International Marine Transportation Company
- 428. Cruise passenger international sea transport business
- 429. International container multimodal transfer facilities construction and rapid transfer and change equipment, standardized transport units

R&D, promotion and application of

430. International ship management agencies, crew assignment agencies

431. Oil (gas) pipelines, oil (gas) reservoir construction, operation (excluding aviation pipelines, oil depots)

432. Construction and operation of coal pipeline transportation facilities

433. Logistics business related to the construction of warehousing facilities, especially automated high-bay three-dimensional storage facilities, packaging, processing, distribution business related to the construction and operation of integrated storage facilities

434. Research and development applications of technology equipment and green packaging related to express services, green logistics facilities and equipment

435. Construction and operation of common systems for pallets and assembly units

436. Rural and community logistics distribution

437. Common distribution of general commodities, fresh and live agricultural products cold chain logistics and special drugs low-temperature distribution and other logistics and related technical services provided and used

438. Bulk commodity import and export distribution logistics center construction

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

Sixth, wholesale and retail trade

440. E-commerce retail (including cross-border e-commerce, excluding laws and regulations to implement special management of drugs and medical devices and other goods)

441. E-commerce supply chain companies (including cross-border e-commerce, excluding laws and regulations to implement special management of drugs and medical devices and other goods)

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

443. Operation of Helium

444. Automobile refueling station construction and operation

445. Imported cars wholesale and retail

446. Cultural and Creative Products Retail

Seven, 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, online office system development and application services

Eight, leasing and business services

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

450. Engineering Consulting Services

451. To undertake service outsourcing in the form of system application management and maintenance, information technology support management, banking back office services, financial settlement, software development, offshore call center, data processing and other information technology and business process outsourcing services

452. Maintenance and repair of modern high-end equipment, digital production line transformation and integration, professional repair services and supply chain services

453. Conference, Exhibition and Related Services

454. Venture capital companies

455. Intellectual Property Services

456. Home Services

457. Human Resource Services

458. Postnatal Maternity Services

459. Tourism Exhibition

460. Language service industry (including translation, localization services, language technology development and application, language resource services, etc.)

Nine, scientific research, development and products, technical services

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

462. DNA-encoded compound library technology development

463. Veterinary and pet nutrition scientific research, technical services

464. Intelligent devices, robots, neural network chips, neuronal sensors and other artificial intelligence technology development and application

465. Isotope, radiation and laser technology research and development

466. Marine development and marine energy development technology, marine chemical resources comprehensive utilization 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), seafloor exploration and ocean resource exploration

Evaluation technology development

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

469. Offshore oil pollution cleanup and ecological restoration technology and related product development, seawater eutrophication prevention and control technology, marine biological outbreak growth disaster prevention and control technology, coastal zone ecological environment restoration technology research and development

470. Energy saving and environmental protection and circular economy technology research and development and application

471. Resource recycling and comprehensive utilization technology, research and development and application of technology for reuse of production emissions from enterprises

472. Environmental pollution treatment and monitoring technology research and development

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

474. Carbon Capture Utilization and Storage (CCUS) Technology Development and Services

475. Green building land saving and outdoor environment, energy saving and energy utilization, water saving and water resource utilization, material saving and material resource utilization, indoor environment and operation management integrated technology development and utilization

476. Radioactive waste treatment technology development and application

477. Hazardous waste disposal facilities specializing in construction, operation and technical consulting services

478. Chemical fiber production and printing and dyeing processing of energy saving and consumption reduction, three waste management of new products and new technologies

479. Phosphogypsum comprehensive utilization technology research and

application

- 480. Research and development of sand control and sand wasteland restoration technology
- 481. Research and development of integrated management technology for grass-livestock balance
- 482. Modern livestock waste resource utilization technology research and development and application
- 483. R&D and application of new pesticide application technology
- 484. Civilian satellite application technology research and development
- 485. Inspection and testing certification services
- 486. Research and Development Center
- 487. High-tech, new product development and business incubation center
- 488. Fifth-generation mobile communication technology development and application
- 489. Internet of things technology development and application
- 490. Blockchain technology development and application
- 491. Industrial design, architectural design, clothing design and other creative industries

- 492. Urban and rural planning services (except city and town master planning services)
- 493. Low carbon, environmental protection, green, energy and water saving advanced system integration technology and services
- 494. Development and application of environmentally friendly technologies
- 495. Professional Design Services

Ten, water, environment and public facilities management industry

- 496. River, 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 transportation
- 499. Waste treatment plants, hazardous waste treatment and disposal plants (incineration plants, landfills) and environmental pollution control facilities construction, operation
- 500. Urban parking facilities construction, operation
- 501. Cab, tram, bus and other public transportation system construction, operation

XI. Education

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

XII, health and social work

- 506. Services for people with disabilities and children (except child welfare agencies, rescue and protection agencies for minors, adoption registration agencies)

507. Elderly services (including home community elderly services, institutional elderly services and elderly institutions, community elderly service institutions construction and operation, etc.)

508. Medical institutions

509. Psychiatric rehabilitation institutions

510. Psychological Counseling Agency

511. Rehabilitation facilities for children with autism

- 512. Home aging renovation, elderly living environment renovation, public facilities aging and barrier-free renovation
- 513. Professional education related to elderly services, elderly service skills training, home care skills training, elderly education

educate

XIII, culture, tourism, sports and entertainment industry

- 514. Performance Venue Operation
- 515. Stadium operation, fitness, competition performances and sports training and intermediary services
- 516. Tourism infrastructure construction and tourism information services
- 517. Excursion scenic area management, intelligent scenic area construction and service industry
- 518. Construction, operation and management of outdoor sports camps and other fitness facilities
- 519. R&D, popularization and promotion of smart sports products and services

Central and western regions of foreign investment advantageous industries directory

Shanxi Province

- 1. Forage crop cultivation and deep processing
- 2. Small grains, potato cultivation and product development, production
- 3. Returning farmland to forest and grass, natural forest protection and other national key ecological projects follow-up industry development
- 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. Non-metallic minerals (kaolin, limestone, silica, quartz sand) comprehensive utilization (except exploration, mining)
- 7. Graphene, carbon fiber (composite materials) and other carbon materials production equipment (weather precipitation, carbonization sintering, etc.) development, manufacturing

8. Comprehensive development and utilization of coal-bed methane and coal-associated resources
9. Coal-to-liquid fuel production
10. Comprehensive utilization of coke by-products
11. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing
12. Natural drugs, raw materials, proprietary Chinese medicine deep processing (not including confidential prescriptions)

13. Basalt fiber production
14. High-grade glass products, high-tech ceramics (including industrial ceramics) technology development and product production
15. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality float glass technology development and deep processing
16. Non-metallic ores (bauxite, mannite, refractory clay, perlite) comprehensive utilization, refining and application (except exploration, mining)
17. Magnesium, aluminum and other non-ferrous metals deep processing
18. Stainless steel products production
19. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications, clutches, hydraulic shock absorbers, central control panel assemblies, seats, electric 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. Aluminum alloy materials and products production
22. Steel rope core rubber conveyor belt production
23. Hydraulic technology system and mold production
24. Dryland, mountain small and medium-sized agricultural machinery and supporting equipment manufacturing
25. Design and manufacture of containerized energy storage tanks for photovoltaic solar power plants
26. More than three axis linkage of high-speed, precision CNC machine tools and supporting CNC systems, servo motors and drives, functional components, tools, gauges, gauges and high-grade abrasives production
27. Large-scale coal mine integrated mining equipment and explosion-proof electromechanical products production
28. Nuclear power material transfer equipment and its supporting parts production
29. New medical device equipment and medical materials production and processing
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 chambers, design and manufacture of unattended pre-assembled electrical chambers, design and manufacture of mobile electrical chambers, design and manufacture of outdoor/underground skid-mounted high and low voltage distribution centers, manufacture and programming of PLC programmable systems

31. Smart phones, tablet PCs and other intelligent terminal products and key components of technology development, production
32. Optical communication products production
33. Comprehensive utilization of washed coal and coke oven gas waste heat power generation and heat supply

34. Comprehensive utilization of thermal power plant waste, etc.
35. Geothermal energy development, production and utilization
36. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
37. Road passenger transport companies
38. City gas, heat and water supply and drainage network construction, operation
39. Energy storage technology research and development and production applications (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)
40. Biomass energy development, production and utilization
41. Art performance training and intermediary services and cultural supplies, equipment and other industrial development
42. Tourist attractions (points) protection, development and operation and its supporting facilities construction
43. Development and utilization of cultural tourism and recreation industry development

Inner Mongolia Autonomous Region

1. Standardized facilities vegetable base, intensive vegetable nursery construction
2. Forage fodder crop cultivation and deep processing
3. Green agricultural and livestock products (milk, meat, velvet, hides and skins, potatoes, fruits and vegetables) production and processing
4. Sand Chinese herbal medicine, sand ecological economic forest, sand melon and fruit, sand facility agriculture, sand building materials, sand new energy and desert tourism and leisure and other sand industries
5. Returning farmland to forest and grass, returning grazing to grass, natural forest protection, returning fields to lakes, returning farmland to wetlands, desertification control and other national key ecological projects such as follow-up industry development
6. Technology development and application of water-saving irrigation and dry

farming water-saving technology, conservation tillage, low and medium-yielding field transformation, saline land improvement, etc.

7. Copper, lead, zinc, magnesium, aluminum and other non-ferrous metals deep processing
8. Non-metallic minerals (kaolin, red pillar, bentonite, dolomite, graphite, perlite, zeolite) comprehensive utilization, refining and application (except exploration, mining)
9. Cotton, wool, velvet, linen, silk, chemical fiber high-grade textile, knitting and garment production and processing and related product development, testing
10. Comprehensive development and utilization of coal-bed methane and coal-associated resources
11. Development and utilization of clean coal technology products and supporting processing services (coal gasification, liquefaction, coal-water slurry, and

(Industrial coal)

12. Natural gas downstream chemical product development and utilization (included in the "Natural Gas Utilization Policy" except for the restricted and prohibited categories)

13. Use of ethylene and chlorine gas through oxychlorination to produce more than 300,000 tons / year of PVC, waste hydrochloric acid to chlorine gas and other comprehensive utilization of technology development and application

14. Development and production of high performance silicone oil, silicone rubber, resin, high quality fluorine resin, high performance fluorine rubber, fluorine containing fine chemicals and high quality fluorine containing inorganic salts, etc.

15. Silicon material production and its applications

16. Development, protection and sustainable use of plant and animal medicinal resources: construction of planting bases for authentic herbs and special Mongolian herbs in Inner Mongolia, construction of conservation bases for endangered medicinal plants, construction of seed and seedling bases, construction of R&D centers for authentic herb extract plants

17. Ethnic minority special needs supplies, arts and crafts, packaging container materials, daily glass products, special tourist goods souvenirs production

18. Carbon fiber product production and its application

19. Natural gas compressor (including coal bed methane compressor) manufacturing

20. Special buckle processing of high performance oil and gas pipes

21. Monk medicine, medical equipment research and development of Monk medicine

22. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")

23. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, central control panel assemblies,

seats

24. Energy storage technology research and development and production applications (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)

25. Solar, wind power generation equipment and parts manufacturing

26. Comprehensive utilization of washed coal and coke oven gas waste heat power generation and heat supply

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

28. Road passenger transport companies

29. City gas, heat and water supply and drainage network construction, operation

30. Higher Education Institutions
31. Animation creation, production and derivatives development
32. Cultural performance venue construction, art performance training and other services
33. Stadium facilities construction, sports events (excluding e-sports) operation and sports fitness and leisure services
34. Health Care Tourism Development
35. Ice, snow, forest, grassland, desert ecological tourism resources development, construction, operation
36. Tourist attractions (points) protection, development and operation and its supporting facilities construction
37. Resource-depleted cities resource deep processing and succession industry and other projects

Liaoning Province

1. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
2. Follow-up industry development of national key ecological projects such as returning farmland to forest and grass
3. Technology development and application of digital intelligent breeding of livestock and poultry
4. Quality malt production base construction and beer production
5. Magnesium, zircon processing and comprehensive utilization
6. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting, clothing and clothing accessories processing and production and related product development, testing
7. Biomedical technology development, production, natural drugs, APIs, proprietary Chinese medicine deep processing (excluding confidential prescriptions)
8. Production of high performance radial tires: tubeless radial tires, low profile and flat (below 55 series), high performance car radial tires with large rims (15" and above), aviation tires and agricultural radial tires
9. Aluminum alloy, titanium alloy smelting and deep processing

10. Stainless steel products production
11. Metal packaging, automated three-dimensional warehouse and storage logistics equipment manufacturing
12. Environmental protection equipment (air, sewage, solid waste treatment equipment) manufacturing and its solution applications
13. Intelligent measurement and control devices and key components manufacturing
14. High-grade CNC machine tool servo device manufacturing
15. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder)

(metallurgy, high-strength composite fiber, etc.), clutch, hydraulic shock absorber, central control panel assembly, seat, automotive active and passive safety protection device, automotive start-stop motor, new energy vehicle drive device and control system, online self-adhesive production of stator and rotor for high-efficiency and super-efficient motors

16. New medical device equipment and medical materials production and processing
17. High precision copper, aluminum and alloy sheet and strip deep processing
18. Design, development and manufacturing of non-volatile memory
19. Production and processing of compound semiconductor materials
20. Product development and application related to digital medical systems, community care, and personal health maintenance
21. Energy storage technology research and development and production applications (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)
22. Biomass energy development, production and utilization
23. Ship management, shipping brokerage and other modern high-end shipping services
24. Road passenger transportation
25. Construction and operation of road freight yard facilities
26. The provision and application of cold chain logistics and related technical services for fresh agricultural, forestry, animal husbandry and fishery products
27. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
28. City gas, heat and water supply and drainage network construction, operation
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, network audio-visual program services)
31. Higher Education Institutions
32. Tourist attractions (points) protection, development and operation and its

supporting facilities construction

33. Resource-depleted cities resource deep processing and succession industry and other projects

34. Hot spring resource development and hot spring resort construction and operation

Jilin Province

1. Technology development and application of water-saving irrigation and dry farming water-saving technology, conservation tillage, low and medium-yielding field transformation, saline land improvement, etc.

2. Oats, quinoa, mung beans, red beans and other miscellaneous grains and beans agricultural products development, production

3. Ginseng, deer antler, mountain grapes, nuts, mountain wild vegetables, blueberries, mushrooms, forest frogs, Quercus serrata, honey, five

Development and production of ecological foods and beverages with characteristics of Changbai Mountain, such as aji, dandelion, etc.

4. Wood processing using offshore resources
5. Livestock breeding and production processing
6. Beer manufacturing industry
7. Drinking natural mineral water production
8. Diatomaceous earth resources development and comprehensive utilization (except exploration, mining)
9. Deep processing technology development and product production of animal bone products
10. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting, clothing and garment semi-finished products processing production and related product development, testing
11. Lignite wax extraction
12. Development, conservation and sustainable use of plant and animal medicinal resources
13. R&D and production processing of biodegradable bio-based materials and products
14. Development and production of glufosinate and glufosinate intermediates
15. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality float glass technology development and deep processing
16. Carbon fiber yarn, carbon fiber production and its production of auxiliary materials, carbon fiber composites and their products production
17. Production of viscose staple fiber and viscose filament
18. Production and development of new basalt fiber materials
19. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55) (series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radials
20. Aluminum alloy materials and products production
21. LED, new components and other energy-saving products production
22. Biomedical technology development and production, production of modern Chinese medicine products

- 23. Medical equipment and key components development, production
- 24. Ice and snow sports and tourism goods production
- 25. Cable car, amusement rides and other tourist equipment manufacturing
- 26. Manufacture of heat exchanger equipment
- 27. Auto parts manufacturing: automatic transmission with more than six speeds,
high power density drive axles for commercial vehicles, follow

Headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, central control panel assemblies, seats

28. Technology development and product production for automotive wire harness processing
29. Special purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")
30. Smart phones, tablet PCs and other intelligent terminal products and key components of technology development, production
31. Biomass energy development, production and utilization
32. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
33. Road passenger transport companies
34. Auto Financial Services
35. City gas, heat and water supply and drainage network construction, operation
36. Higher Education Institutions
37. Animation creation, production and derivatives development
38. Ice and snow tourism resources development and ski resorts, hotels and other ancillary facilities construction, operation
39. Tourist attractions (points) protection, development and operation and its supporting facilities construction
40. Hot spring resource development and hot spring resort construction and operation
41. Tourism agriculture, leisure agriculture development and operation and its supporting facilities construction
42. Resource-depleted cities resource deep processing and succession industry and other projects
43. Art performance training, intermediary services

Heilongjiang Province

1. Returning farmland to forest and grass, natural forest protection and other national key ecological projects follow-up industry development
2. Research and development, innovation of black land conservation and utilization technology
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. The use of foreign resources of wood processing, wood products production
6. Manganese, iron ore beneficiation and comprehensive utilization
7. High-grade beef cattle breeding and processing
8. Drinking natural mineral water production, natural soda production

9. Daily processing beet 3000 tons and above beet sugar and by-products comprehensive utilization
10. Potato breeding and deep processing
11. Green Food Production
12. Milk powder, cream, cheese, liquid milk, functional milk and other dairy products production
13. Nutritional soy milk powder, traditional soy products, functional protein products, soy phospholipids and other non-GMO soy products production and processing
14. Biomedical technology development, production, natural drugs, APIs, proprietary Chinese medicine deep processing (excluding confidential prescriptions)
15. Ethnic minority special needs supplies, arts and crafts and special tourism commodity souvenir production
16. Ice and snow sports and tourism goods production
17. R&D and production of art ceramics, daily-use ceramics and industrial ceramics
18. High-end applications and deep processing of graphite
19. Non-metallic minerals (kaolin, limestone, silica, quartz sand) comprehensive utilization (except exploration, mining)
20. Research and development of industrial technology for new non-metallic mineral materials
21. Graphene, carbon fiber (including composite materials) and other carbon materials research and development production and end product manufacturing
22. Development and production of silicon-based and photovoltaic new materials
23. Titanium products processing
24. Cutting tools, gauges, sharpening tools manufacturing
25. Modern agricultural equipment and supporting the production of agricultural machinery: high horsepower tractors supporting parts, rice transplanters and other planting machinery, corn harvesters, grain combine harvesters, other harvesters and supporting parts
26. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55)

(series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radials

27. Gas turbine R&D, manufacturing

28. Snow and ice clearing equipment manufacturing

29. Precision ultra-precision machine tool manufacturing

30. Special purpose vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")

31. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder)

(metallurgy, high-strength composite fiber, etc.), clutch, hydraulic shock absorber, central control panel assembly, seat, electronic combination instrument

32. Medical equipment and key components development, production
33. Biomass energy development, production and utilization
34. Production of nuclear power equipment: nuclear power motors, cables, nuclear island reactor components and other key supporting components research and development and production
35. Power grid intelligent management control system equipment manufacturing
36. Digital economy-related industries (not involving network audiovisual program services): digital commerce, intelligent logistics and other Internet production services, intelligent manufacturing technology research and development, public service platforms and enterprise innovation empowerment center construction, animation and other digital content services
37. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
38. Road passenger transport companies
39. Higher Education Institutions
40. City gas, heat and water supply and drainage network construction, operation
41. Animation creation, production and derivatives development
42. Industrialized development of cultural performances, art performance training and intermediary services
43. Stadium facilities construction, sports events (excluding e-sports) operation and sports fitness and leisure services
44. Forest, snow and ice tourism resources development and ski resort construction, operation
45. Hot spring resource development and hot spring resort construction and operation
46. Tourist attractions (points) protection, development and operation and its supporting facilities construction
47. Development and operation of tourism agriculture, leisure agriculture and construction of supporting facilities
48. Resource-depleted cities resource deep processing and succession industry

and other projects

49. Recreation Industry

50. Coldland industries such as coldland specialty bio-industry and coldland testing

Anhui Province

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

2. Kaolin, coalbed methane (gas), mine water and natural coke and other coal-associated resources comprehensive utilization (except exploration, mining)

3. Non-metallic ore (calcite, bentonite, kaolin, alabaster clay, limestone, quartz sand) comprehensive

Utilization (except
exploration, mining)

4. Green Food Production

5. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing
6. Development and production of functional and environmentally friendly recycled polyester filament yarn
7. Leather shoes, sports shoes and other whole shoes manufacturing
8. Natural drugs, raw materials, proprietary Chinese medicine deep processing (not including confidential prescriptions)
9. Coal tar deep processing
10. Nano materials and other new materials research and development, manufacturing
11. Longevity energy-saving and environmental protection refractory production
12. Copper, zinc, aluminum and other non-ferrous metals deep processing and comprehensive utilization
13. Manufacturing of high-grade seamless steel pipes and oil well pipes
14. Packaging and decoration printing
15. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality float glass technology development and deep processing
16. The use of cassava, jatropha, rubber seeds and other non-food plants as raw materials for the production of bio-liquid fuels (fuel ethanol, biodiesel)
17. Production of high performance radial tires: truck tires, tubeless load radials, low profile and flattening (less than 55 series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radials
18. High-end medical devices, medical dressings manufacturing
19. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, aluminum matrix composites, etc.), clutches, hydraulic shock absorbers, central control panel assemblies, seats, bearings

- 20. New dry process cement equipment manufacturing
- 21. Electric forklifts, more than 30 tons of hydraulic excavators and parts development and manufacturing
- 22. Gas turbine R&D, manufacturing
- 23. 5 million tons / year and above mines, thin seam integrated mining equipment, 10 million tons / year and above large

Key equipment for open pit mines; decentralized control systems (DCS) for major technical equipment such as large metallurgical plants

24. Refractory metal mineral processing equipment and large metallurgical equipment manufacturing
25. Medical equipment and key components development, production
26. In line with the national level 1 energy efficiency or level 2 energy efficiency in the development and production of household appliances
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 development, manufacturing
29. Flat panel display and upstream and downstream materials, components, equipment research and development, manufacturing
30. Smart phones, tablet PCs and other intelligent terminal products and key components of technology development, production
31. Intelligent voice, quantum communication and other equipment development, manufacturing
32. Component parts adhesive film (EVA), photovoltaic glass, backsheet, junction box and other basic materials manufacturing
33. R&D and production of new materials for energy conversion in the field of new energy
34. Creative industries such as engineering survey and design, graphic design and automatic control system design
35. Reuse of waste paper
36. Biomass energy development, production and utilization
37. Road passenger transport companies
38. Travel Agency
39. Higher Education Institutions
40. Animation creation, production and derivatives development
41. City gas, heat and water supply and drainage network construction, operation
42. Tourist attractions (points) protection, development and operation and its supporting facilities construction
43. Resource-depleted cities resource deep processing and succession industry

and other projects

Jiangxi Province

1. Navel orange, honey orange, sweet grapefruit, tea, light bark tree, oil tea, ramie, bamboo, yam, buckwheat, lotus, kudzu, peanut, sesame, mugwort and other special, advantageous plants and authentic medicinal herbs and dual-use crops cultivation and deep processing
2. Primary or deep processing of garden flowers
3. Drinking natural mineral water production
4. Development and production of selenium-rich agricultural products and foods
5. Copper ore beneficiation, associated elements extraction and deep processing and recycling

6. Kaolin, powdered quartz, wollastonite, seafoam, chemical dolomite, granite, lapis lazuli and other non-metallic minerals deep processing

7. R&D and production of fluorosilicone organic materials

8. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing

9. Wood furniture design, wood furniture processing using offshore wood resources

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

11. Luggage, clothing accessories development and production

12. Leather shoes, sports shoes and other whole shoes manufacturing

13. Single chemical wood pulp 300,000 tons/year and above, chemical mechanical wood pulp 100,000 tons/year and above, chemical bamboo Pulp 100,000 tons / year and above of integrated forest and paper production lines and the corresponding supporting paper and paperboard production lines (newsprint, (except for coated paper) construction, the use of clean production processes, non-wood fiber as raw materials, a single 100,000 tons / year and above the construction of pulp production lines

14. More than 100,000 tons per year of bio-liquid fuel production using cassava plants

15. The use of tungsten, nickel, cobalt, tantalum, niobium and other rare metal resources deep processing, application products production and recycling

16. Use of ethylene and chlorine gas through oxychlorination to produce more than 300,000 tons / year of PVC, waste hydrochloric acid to chlorine gas and other comprehensive utilization of technology development and application

17. Natural drugs, APIs, the development and production of proprietary Chinese medicines (excluding confidential prescriptions), to meet the needs of China's major, multi-disease prevention and treatment of generic drugs for the first time to develop and use

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

19. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55) (series), high performance car radial tires with large rims (15" or more), aviation tires

and agricultural radials

20. Packaging and decoration printing

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

22. New electronic component laminate manufacturing

23. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, central control panel assemblies, seats

24. Medical equipment and key components development, production

25. Air conditioning, energy efficient compressors and parts production
26. Solar power generation equipment and parts manufacturing
27. Research and development, manufacturing and engineering installation of distributed energy storage equipment based on lithium, sodium and aluminum batteries and other new energy batteries
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. The development and manufacture of special equipment for the production of lithium batteries and other lithium products
31. R&D, application and manufacturing of optical components and coating technology
32. Photovoltaic power generation system integration technology development and application
33. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
34. Road passenger transport companies
35. Commercial chain management, cross-regional agency management and other new distribution industry
36. Vocational and skills training services based on virtual reality (VR) or augmented reality (AR) devices
37. Animation creation, production and derivatives development
38. Wellness and leisure services, leisure tourism and other leisure industries
39. Tourist attractions (points) protection, development and operation and its supporting facilities construction
40. Based on virtual reality (VR) or augmented reality (AR) equipment for cultural creativity (not involving network audio-visual program services), including software, hardware development and related virtual products and the design, production and sales of realistic peripheral products

1.High-quality tea, wicker, garlic, peanuts, chrysanthemum, honeysuckle, raspberries, dogwood, kiwi, mushroom paste, vermicelli, sesame, edible mushrooms, citrus, apricot pear, soft seed pomegranate and other advantages and characteristics of agricultural products and dual-use crops for cultivation, processing

2.Returning farmland to forest and grass, natural forest protection and other national key ecological projects follow-up industry development

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

4.Seasoned noodles, rice products production

5.Copper, magnesium, zinc, aluminum, lead, precious metals and other non-ferrous metals deep processing

6.Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related products, research and development

Testing

7. Coalbed methane (coal mine gas) extraction and utilization technology product development, production
8. Comprehensive utilization of coke by-products
9. Production of superhard material products
10. Natural drugs, raw materials, proprietary Chinese medicine deep processing (not including confidential prescriptions)
11. Digital Packaging and Decoration Printing
12. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality float glass technology development and deep processing
13. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55) (series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radials
14. Graphene, carbon fibers (composite materials) and other carbon materials production equipment (weather precipitation, carbonization sintering, etc.) research and development, manufacturing, graphene, carbon fibers (including composite materials) and other carbon materials research and development production and end product manufacturing
15. Hydraulic pipe industry production, research and development, testing
16. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, central control panel assemblies, seats
17. New medical device equipment and medical materials production and processing
18. R & D and production of epidemic prevention, protection products and their production equipment
19. Silicon based materials production, processing and application
20. More than three axis linkage of high-speed, precision CNC machine tools and supporting CNC systems, servo motors and drives, functional components, tools, gauges,

gauges and high-grade abrasives production

21. The production of intelligent modern agricultural equipment and supporting agricultural machinery

22. More than 300 horsepower with stepless transmission wheel tractor, more than 300 horsepower tractor key components manufacturing: stepless speed tractor engine, transmission, hydraulic joint control system, dual input and dual output stepless speed control device

23. 5 million tons / year and above mines, thin coal seam integrated mining equipment, 10 million tons / year and above large open pit mine key equipment; 12,000 meters and above deep well drilling rigs, polar drilling rigs, high displacement deep desert drilling rigs, swamp hard to enter the region with drilling rigs, marine drilling rigs, truck-mounted drilling rigs, special drilling technology with drilling rigs and other drilling rig sets

Preparation

24. Integrated power management automation equipment manufacturing
25. Solar photovoltaic products manufacturing
26. Smart phones, tablets and other intelligent terminals and key components development, production
27. Air conditioners, refrigerators, energy-efficient compressors and parts manufacturing
28. Biomedical technology development, production
29. Biomass energy development, production and utilization
30. Broadband services and value-added telecommunications services (limited to telecommunications services opened 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. City gas, heat and water supply and drainage network construction, operation
37. Tourism agriculture, leisure agriculture, the development and operation of agricultural facilities and their supporting facilities construction
38. Health Care Tourism Development
39. Tourist attractions (points) protection, development and operation and its supporting facilities construction

Hubei Province

1. Agriculture, forestry, animal husbandry and fishery special industry development, research and development, processing and export (excluding food crops)
2. New crop variety selection and seed production
3. Tea growing, processing and acquisition services
4. Conservation tillage technology development and application
5. Drinking natural mineral water production
6. Development and production of selenium-rich agricultural products and foods

7. High-grade textile and garment technology development
8. Nonwoven and medical textile production
9. Development, protection and sustainable use of plant and animal herbs and health care resources, research and development of plant flower, leaf and root products, deep processing of seeds and grains for oil extraction

10. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing

11. Leather shoes, sports shoes and other whole shoes manufacturing

12. Packaging and decoration printing

13. Biomedical technology research and development, production

14. Graphene, carbon fibers (composite materials) and other carbon materials production equipment (weather precipitation, carbonization sintering, etc.) research and development, manufacturing, graphene, carbon fibers (including composite materials) and other carbon materials research and development production and end product manufacturing

15. Turquoise fine processing

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

17. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality glass technology development and deep processing

18. Manufacture of watches and clocks

19. Ceramic sanitary products production

20. Air conditioning, energy efficient compressors and parts manufacturing

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

22. Auto parts development and manufacturing: automatic transmission with more than six gears, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, carbon fiber, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, automotive power steering, central control panel assemblies, seats, products related to common rail fuel injection systems, turbocharged engines, electric motors and control systems, active safety and automatic driving control systems and their key parts and components

23. Car compressed hydrogen gas plastic liner carbon fiber fully wound cylinder

24. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55)

(series), high performance car radial tires with large rims (15" or more), aviation tires

and agricultural radials

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

26. Special steel wire rope, steel cable (average tensile strength $> 2200\text{MPa}$) manufacturing

27. Laser medical device development and manufacturing

28. High-end oil and gas extraction equipment (petroleum machinery fracturing equipment) manufacturing

29. Product development and application related to digital medical systems, community care, and personal health maintenance
30. Flexible display, display material production
31. Solar power generation equipment and parts manufacturing
32. Optoelectronics technology and products (including optical fiber preform, semiconductor light-emitting diode LED) development and manufacturing
33. Integrated circuit materials, equipment, chip manufacturing and compound semiconductor materials, device development, manufacturing
34. Lithium resource processing and related lithium products research and development, manufacturing
35. Comprehensive utilization of pharmaceutical and chemical raw material waste gas, waste liquid and waste residue
36. New medical device equipment and medical materials production and processing
37. Epidemic prevention, protective products research and development, production
38. Enterprise food safety traceability system development and construction
39. Biomass energy development, production and utilization
40. Energy storage technology research and development and production applications (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)
41. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
42. Road passenger transport companies
43. Development and application of integrated light storage and charging system and new energy vehicle charging equipment technology
44. Commercial chain management, cross-regional agency management and other new distribution industry
45. Animation creation, production and derivatives development
46. City gas, heat and water supply and drainage network construction, operation
47. Tourist attractions (points) protection, development and operation and its

supporting facilities construction

48. Health Care Tourism Development

Hunan Province

1. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
2. Planting and processing of oil tea and other woody oilseeds
3. Enterprise food safety traceability system development and construction
4. Construction and operation of the whole industry chain in the agri-food industry
5. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing

6. Leather shoes, sports shoes and other whole shoes manufacturing
7. Luggage, toys, wigs, special crafts development and production
8. Bamboo wood high-end environmental protection furniture, recombinant bamboo, outdoor bamboo, disposable tableware, bamboo fiber product development and manufacturing
9. High performance concrete admixture
10. Manganese and zinc deep processing
11. Bismuth compound production
12. Aluminum-based light metal materials deep processing
13. R&D and production of art ceramics, daily-use ceramics and industrial ceramics
14. Natural medicine, proprietary Chinese medicine deep processing (not including confidential prescriptions)
15. In-depth development of hormone drugs
16. Special (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick, etc.) quality glass technology development and deep processing

Work

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

Processing of large diameter steel pipes such as casing

18. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55) (series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radials
19. Cemented Carbide Finishing
20. Bimetal high-speed sawing tools
21. R&D and manufacturing of thermal management system and control system for new energy vehicles, including electric drive thermal management system, battery thermal management system and passenger compartment thermal management system and its control system
22. Auto parts and automotive electronics development and manufacturing: automatic transmission 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, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, central control panel assemblies, seats, products related to common rail fuel injection systems, turbocharged engine, motor and control system, active safety and automatic driving control system

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

24. More than 30 tons of hydraulic excavators, 6 meters and above full-section roadheading machines, 320 horsepower and above crawler bulldozers

The following are the key components: crawler cranes of 400 tons and above, all-terrain cranes of 100 tons and above, rock drilling rigs of 100 mm and above, concrete hot and cold recycling equipment of 400 kW and above, milling machines of 1 m width and above; key components: power shift transmission

Box, wet drive axle, slewing bearing, hydraulic torque converter, motor for electric forklift, electric control, pressure 25

Hydraulic motors, pumps, control valves above MPa

25. Concrete pump of 60C or above, concrete pump truck of 50 meters or above, concrete placing machine, concrete mixing truck, concrete spraying robot; lifting machinery: tower crane, aerial work truck of 50 meters or above, tire crane of 50 tons or above; road machinery: asphalt paver of 12 meters or above, asphalt concrete mixing equipment of 4 tons or above, fully hydraulic roller of 26 tons or above, garbage collection and disposal equipment and systems, etc.

26. Large construction machinery key parts manufacturing: power shift gearbox, wet drive axle, slewing bearing, hydraulic torque converter, electric motors for electric forklifts, electric control, hydraulic motors, pumps, control valves above 25 MPa pressure

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

28. New rubber machinery sets manufacturing

29. New medical device equipment and medical materials production and processing

30. Wide area electromagnetic exploration equipment development, production

31. Digital prototype and digital twin development and production of large underground engineering equipment

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

33. Smart phones, tablet PCs and other intelligent terminal products and key components of technology development, production

34. Solar, wind power generation equipment and parts manufacturing

35. Development and production of photosensitive inks for 3D glass and ceramics

36. Development and production of high purity metal materials for display and semiconductor

- 37. Biomass energy development, production and utilization
- 38. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
- 39. Road passenger transport companies
- 40. Animation creation, production and derivatives development
- 41. City gas, heat and water supply and drainage network construction, operation
- 42. Cultural performance venue construction, art performance training and other services
- 43. Stadium facilities construction, sports events (excluding e-sports) operation and sports fitness and leisure services

44. Health Care Tourism Development
45. Tourist attractions (points) protection, development and operation and its supporting facilities construction
46. Natural heritage conservation, development and operation and its supporting facilities construction

Guangxi Autonomous Region

1. New crop variety selection and seed production
2. Fruit, nuts, fruit oil, spices and beverage crops planting deep processing and comprehensive utilization of technology development and application

Use

3. Follow-up industry development of national key ecological projects such as returning farmland to forest and grass
4. Animal and plant medicinal resources development, production
5. Nutritious soy milk powder, traditional soy products, functional protein products, soy phospholipids and other non-GMO soybean products

Production and processing of products

6. Daily processing of sugar cane 5000 tons and more of sugar refining and comprehensive utilization of by-products
7. Rosin deep processing
8. Drinking natural mineral water production
9. Beer manufacturing industry
10. Design and manufacture of wood, bamboo, rattan, metal and plastic furniture
11. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing
12. Shoes, hats, toys, wigs, bags, leather goods development and production
13. Single chemical wood pulp 300,000 tons/year and above, chemical mechanical wood pulp 100,000 tons/year and above, chemical bamboo

Pulp 100,000 tons / year and above of integrated forest and paper production lines and the corresponding supporting paper and paperboard production lines (newsprint, (except coated paper) construction, the use of clean production processes, non-wood fiber as raw materials, a single 100,000 tons / year and above the construction of pulp production lines, advanced pulp and paper equipment

development and manufacturing, no elemental chlorine (ECF) and full chlorine-free (TCF) chemical pulp bleaching process development and application

14. Graphene, carbon fibers (composite materials) and other carbon materials production equipment (weather precipitation, carbonization sintering, etc.) research and development, manufacturing, graphene, carbon fibers (including composite materials) and other carbon materials research and development production and end product manufacturing

15. Calcium carbonate deep processing

16. Lithium-ion batteries with ternary and multi, lithium iron phosphate and other cathode materials, intermediate phase carbon microspheres and silicon carbon and other negative materials, single-layer and three-layer composite lithium-ion battery separator, fluorine ethylene carbonate (FEC) and other electrolyte and additive development, production; waste battery resource and green recycling production process and its equipment manufacturing

17. Stainless steel products production

18. Copper, aluminum alloy materials and products production

19. Zinc, tin, antimony, tungsten, manganese, indium and other metals deep processing

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

21. Natural medicine, raw materials, proprietary Chinese medicine deep processing (not including confidential prescriptions), Zhuang medicine, Zhuang medical equipment research and development

22. Biomedical technology research and development and production of biological drugs, generic drug development and production through the consistent evaluation of the quality and efficacy of generic drugs

23. Medical instruments and equipment, instruments and health materials, medical supplies, pharmaceutical excipients research and development, manufacturing

24. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality float glass technology development and deep processing

25. The use of cassava, jatropha, rubber seeds and other non-food plants as raw materials for the production of bio-liquid fuels (fuel ethanol, biodiesel)

26. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55) (series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radials

27. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")

28. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, central control panel assemblies, seats

29. Non-road Stage IV emission compliant engine manufacturing

30. Sugarcane planters, sugarcane harvesters and other agricultural machinery R & D and manufacturing

31. New rubber machinery sets manufacturing

32. Large construction machinery key parts manufacturing: power shift gearbox, wet drive axle, slewing bearing, hydraulic torque converter, electric motors for electric forklifts, electric control, hydraulic motors, pumps, control valves above 25 MPa pressure

33. Development and production of high end pharmaceutical equipment
34. Light storage and charging integration, the development and application of new energy vehicle charging equipment technology or production and processing
35. Smart phones, tablet PCs and other intelligent terminal products and key components of technology development, production
36. Drug screening platform, clinical technology transformation platform, pilot amplification platform and other third-party technology platforms for drug and medical device product development and production
37. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
38. Road passenger transport companies
39. Conference and exhibition planning and preparation and related services
40. International shipping agency, foreign ship management
41. Ship supply, third-party ship management, shipping arbitration, maritime damage adjustment, shipping transactions, shipping leasing, bonded warehousing, international logistics and distribution, shipping information services, crew services, maritime training and other shipping services
42. Investment and development of cross-border tourism, cross-border logistics, cross-border human resources services and other cross-border industrial cooperation
43. Higher Education Institutions
44. City gas, heat and water supply and drainage network construction, operation
45. Animation creation, production and derivatives development
46. Wellness and leisure services, leisure tourism and other leisure industries
47. Health Care Tourism Development
48. Tourist attractions (points) protection, development and operation and its supporting facilities construction
49. Stadium facilities construction, sports events (excluding e-sports) operation and sports fitness and leisure services
50. Design and production of special tourism crafts

Hainan Province

1. Crop, livestock and poultry breeding and seedling production
2. Introduction, breeding and management of tropical fruit tree seedlings
3. Aquatic products processing and comprehensive utilization of by-products
4. Coconut, bird's nest deep processing
5. Development and application of technologies such as sea defense forest restoration, natural forest protection, water-saving irrigation and water-saving dry farming
6. Agricultural waste recycling technology development and application
7. Drinking natural mineral water production

8. Biomedical technology development, production
9. R & D and production of traditional Chinese medicine and ethnic medicine 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 crafts
13. Natural gas downstream chemical product development and utilization (included in the "Natural Gas Utilization Policy" except for the restricted and prohibited categories)
14. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55) (series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radials
15. 5MW and above offshore wind turbine technology development and equipment manufacturing, offshore wind farm construction
16. New medical device equipment and medical materials production and processing, especially with independent intellectual property rights of medical instruments and equipment and equipment development and production
17. Offshore oil exploration, mining, production-related equipment development, manufacturing, inspection, maintenance, sales and supporting industries
18. Precision mechanical watches, mechanical clocks and parts manufacturing, smart watches and parts manufacturing
19. New energy vehicle design, research and development and parts manufacturing
20. R & D and production of epidemic prevention, protection products and their production equipment
21. New energy, clean energy powered ship research and development
22. Cruise ship design, manufacturing, maintenance and related infrastructure equipment construction and ship supply services, tourism products business services
23. Yacht design, manufacturing, maintenance and related infrastructure equipment construction and ship supply services, tourism products business

services

- 24. Marine engineering equipment research and development, manufacturing
- 25. Golf equipment manufacturing
- 26. Optoelectronics technology and products (including optical fiber preform, semiconductor light-emitting diode LED) development, manufacturing
- 27. Smart phones, tablet PCs and other intelligent terminal products and key components of technology development, production
- 28. Aerospace-related equipment manufacturing
- 29. High-end consumer goods business
- 30. Offshore New International Trade (Technologically Advanced Services)

31. Broadband services and value-added telecommunications services (limited to telecommunications services opened 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 and material supply
36. International water passenger and cargo transportation and auxiliary business
37. International shipping agency, foreign ship management
38. Ship supply, third-party ship management, shipping insurance, shipping arbitration, maritime loss adjusting, shipping transactions, shipping finance, shipping leasing, bonded warehousing, international logistics and distribution, shipping information services, crew services, maritime training and other shipping services
39. Bulk commodity trade (except for commodities under state quota management)
40. Brand experience stores, brand direct sales shopping centers, chain convenience stores, theme malls
41. Trade Brokers, Agents & 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. Machinery and equipment operation and rental
46. Pharmaceutical device outsourcing services (contract research organization CRO, pharmaceutical manufacturing outsourcing CDMO)
47. Pharmaceutical Consulting
48. Campus Management Services
49. Research and development of processes, devices and technologies for high-end chemicals, new chemical materials, and natural gas chemical industries, as well as equipment

Count

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 business leasing and maintenance services
- 54. Diamond, precious stone jewelry and other consumer boutique design, processing, manufacturing and trading
- 55. Travel Agency
- 56. Schools for children of foreigners

57. General high schools and higher education institutions
58. High-end professional medical, rehabilitation, nursing and other medical and health services
59. City gas, heat and water supply and drainage network construction, operation
60. Construction and operation of cinemas
61. Internet Internet service business premises
62. Animation creation, production and derivatives development
63. Performance Agency
64. Entertainment venue operation
65. Sports health and leisure, sports tourism, health and leisure and other leisure services
66. Health and medical tourism, sports tourism development
67. Development and operation of rural B&B, travel car tourism and construction of supporting facilities
68. Tourism agriculture, leisure agriculture development and operation and its supporting facilities construction
69. Tourist attractions (points) protection, development and operation and its supporting facilities construction
70. Marine, tropical rainforest ecological tourism resources development, operation and its supporting facilities construction
71. Urban complex concept of tourist communities, tourist resorts
72. Smart Sports

Chongqing

1. Agriculture, forestry, animal husbandry and fishery special industry development, technology research and development, product processing and export
2. Beer manufacturing industry
3. Exploration, exploitation and beneficiation of marine shale and lake shale in the upstream oil and gas (especially in the Sichuan Basin) mineral rights gap area, shale oil and gas technology development and application
4. Natural gas downstream chemical products production and development (included in the "Natural Gas Utilization Policy" except for the restricted and

prohibited categories)

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

6. Natural drugs, APIs, deep processing of proprietary Chinese medicines (excluding confidential prescriptions), Chinese medicine processing and extraction of biological components, specialty APIs and intermediates, overseas Chinese medicines, chemical generic production

7. Biomedical technology development, production

8. Graphene, carbon fibers (composite materials) and other carbon materials production equipment (weather precipitation, carbonization sintering, etc.) research and development, manufacturing, graphene, carbon fibers (including composite materials) and other carbon materials research and development production and end product manufacturing

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

10. Longevity energy-saving and environmental protection refractory production

11. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick, body-colored) quality float glass technology development and deep processing, automotive-grade quality float glass (for automotive glass > 85% of production and above) technology development

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

13. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production

14. Toy development and production

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

16. Aluminum, magnesium deep processing

17. Environmental protection equipment (air, sewage, solid waste treatment equipment) manufacturing and its solution applications

18. Displacement 250ml and above high-performance motorcycle manufacturing and manufacturing of important parts

19. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")

20. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55 series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radials, as well as those listed in the Key raw materials for radial tires in the "Guide to Key Areas of High Technology Industrialization for Current Priority Development

21. 汽车零部件制造：满足国六排放标准及以上的增压直喷汽油机/清洁高效柴油机/驱动系统零部件（离合器、减振器、双质量飞轮）、六档以上自动变速箱（AT、DCT、AMT）、座椅、传动轴、电动转向系统零部件、新能源专用发动机/变速器；新能源车用动力锂电池、驱动电机、电控 system, electric brake, electric instrumentation, 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 materials Chassis and body; lightweight material application (high-strength steel, aluminum-magnesium alloy, composite plastic, powder metallurgy, high-strength composite fiber, etc.), industry common technology platform (automotive wind tunnel, lightweight, global R & D center, etc.) construction, etc.

22. Energy storage technology research and development and production applications (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 natural gas distributed energy gas turbines and internal combustion engines

24. Solar power generation equipment and parts manufacturing

25. Line width 0.25 micron below the large-scale digital integrated circuit manufacturing

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

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

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

29. 500 kV and above high-voltage DC converter transformer R & D, manufacturing

30. Energy-saving and environmentally friendly home appliances above the third level of energy efficiency, compressors, motors, inverters, LCD panels and other key components production, wireless power transmission, naked eye 3D, physical input and other new technology development

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 gas preparation and application

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

34. Highly accurate and reliable process measurement instruments, intelligent sensor manufacturing

35. Commercial chain management, cross-regional agency management and other new distribution industry

36. Broadband services and value-added telecommunications services (limited

to telecommunications services opened by China's WTO accession commitments)

37. Parallel import vehicle compliance rectification
38. Third-party technology platform for pharmaceutical and medical device R&D and production utilization
39. Higher Education Institutions
40. City gas, heat and water supply and drainage network construction, operation
41. Digital creativity, animation creation, production and derivatives development (not involving network audio-visual program services)
42. Travel agency operations, tourist attractions (sites) protection, development and operation and the construction of its supporting facilities
43. Fintech product development, application and service export for financial institutions
44. "Financial services for small loans to farmers, small and micro enterprises and individual entrepreneurs
45. Solar thermal and photovoltaic power generation applications integrated architecture, energy-saving buildings, green buildings, assembly-type building technology, product development and promotion, urban landscaping and ecological community construction

Sichuan Province

1. Agriculture, forestry, animal husbandry and fishery special industry development, technology research and development, product processing and export (including traditional Chinese medicine, sweet potatoes, lemons, tea, fruit brewing, etc.)
2. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
3. Exploration, exploitation and beneficiation of marine shale and lake shale in the upstream oil and gas (especially in the Sichuan Basin) mineral rights gap area, shale oil and gas technology development and application
4. Drinking natural mineral water production
5. Beer manufacturing industry
6. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing
7. Leather shoes, sports shoes and other whole shoes manufacturing
8. Development and production of stationery, toys, teaching aids, luggage
9. Heavy-duty corrugated board and carton equipment manufacturing
10. Design and manufacture of wood, bamboo, rattan, metal and plastic furniture
11. Sports goods and related products research and development, manufacturing
12. Polyurethane main raw materials, combination materials, high-performance, high value-added polyurethane, engineering plastics and downstream new material innovation application product development, production
13. Natural drugs, raw materials, deep processing of proprietary Chinese medicines, planting, breeding and processing of specialty Chinese herbs (excluding confidential prescriptions)
14. Biopharmaceuticals and pharmaceutical intermediates, biological agents R & D, production
15. High-end medical equipment and medical materials development and production
16. High-end medical devices, biomedical manufacturing
17. Malignant tumors, cardiovascular and cerebrovascular diseases, neurodegenerative diseases, diabetes, autoimmune diseases, hematological system and other major diseases drug production

18. Epidemic respiratory diseases, hepatitis and other major infectious diseases preventive vaccines and tumor, cardiovascular and cerebrovascular new vaccine production

19. Vanadium and titanium resources comprehensive utilization of new technologies and new product development, manufacturing

20. Titanium alloy finishing and deep processing

21. Natural gas downstream chemical products production and development (included in the "Natural Gas Utilization Policy" restricted and prohibited categories)

(except for the ones in the)

22. Production of fluorine-containing fine chemicals and high-quality fluorine-containing inorganic salts
23. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality float glass technology development and deep processing
24. Graphene, carbon fiber (including composite materials) and other carbon materials research and development production and end product manufacturing
25. High-end applications and deep processing of graphite
26. Manufacturing of cable harnesses (including high-end automotive cable harnesses, industrial cable harnesses, LVDS connection cables, cables and supporting polymer materials)
27. Development and production of silicon materials and new crystalline silicon photovoltaic materials
28. Application in industry, medicine, electronics, aerospace and other fields of special ceramics production and technology, equipment development; ceramic clean production and comprehensive utilization of technology development
29. 3D in-car cover glass manufacturing (in-car display protection material)
30. Lithium resource processing and related lithium products research and development, manufacturing
31. New radiotherapy, medical robotics, new digital medical imaging equipment and other high-end diagnosis and treatment equipment development and production
32. Energy-saving, low-temperature home storage grain equipment development and manufacturing
33. R & D and manufacturing of large amusement facilities and inspection and testing
34. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")
35. Production of high performance radial tires: tubeless radial tires, low profile and flattening (below 55)

(series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radials

36. Auto parts and automotive electronics development and manufacturing: automatic transmission 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, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, central control panel assemblies, seats, products related to common rail fuel injection systems, turbocharged engine, motor and control system, active safety and automatic driving control system

37. More than 30 tons of hydraulic excavators, 6 meters and above full-section roadheading machines, 320 horsepower and above crawler bulldozers, 6 tons and above loaders, 600 tons and above bridge equipment (including bridge erectors, girder trucks, beam lifters), 400 tons and above crawler cranes, 100 tons and above all-terrain cranes, drilling 100 mm and above rock drills,

400 kW and above concrete cold and hot regeneration equipment, 1 m wide and above milling machine; key components: power shift transmission

Box, wet drive axle, slewing bearing, hydraulic torque converter, motor for electric forklift, electric control, pressure 25

Hydraulic motors, pumps, control valves above MPa

38. Solar power generation equipment and parts manufacturing

39. Development and production of all-vanadium liquid flow batteries

40. Energy storage technology research and development and production applications (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)

41. 3000KW above large, heavy gas turbine high-temperature components and control system development, manufacturing

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 molding products

44. LCD TV, digital TV, energy-saving and environmentally friendly refrigerators, intelligent washing machines and other high-end household appliances manufacturing

45. Smart phones, tablet PCs and other intelligent terminal products and key components of technology development, production

46. Semiconductor, optoelectronic devices, new electronic components and other electronic products with materials development, production

47. New electronic component manufacturing: high-speed, sensitive electronic (gas) connectors

48. Development and production of medical and rehabilitation devices, equipment and key components

49. Natural gas compressor (including coal bed methane compressor) manufacturing

50. Environmental equipment manufacturing and its solution applications

51. Resource utilization of industrial tailings and industrial production waste and low-grade, complex and difficult-to-treat ores

52. Industrial process automatic control systems and device manufacturing:
fieldbus control systems, programmable controllers
(PLC), two-phase flow meters, solids flow meters, new sensors and field
measurement instruments
53. Commercial chain management, cross-regional agency management and
other new distribution industry
54. Broadband services and value-added telecommunications services (limited
to telecommunications services opened by China's WTO accession
commitments)
55. Road passenger transport companies
56. Sightseeing tourism, sports aviation class general aviation company
57. Medical information services such as health consultation, health management
and medical knowledge
58. City gas, heat and water supply and drainage network construction, operation
59. Animation creation, production and derivatives development
60. Art performance training and intermediary services and cultural supplies,
equipment and other industrial development
61. Tourist attractions (points) protection, development and operation and its
supporting facilities construction

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 breeding of new varieties, promotion

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

3. Blueberry planting, development, cultivation, sales, deep processing and cultivation of new varieties, promotion

4. Characteristic medicinal plant cultivation, processing and pharmaceutical new process development

5. Returning farmland to forest and grass, natural forest protection and other national key ecological projects follow-up industry development

6. Water-saving irrigation and dry farming water-saving technology development and application

7. Potato, konjac and other products deep processing

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

9. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing

10. Sports goods and related products research and development, manufacturing

11. Needle coke production, crude benzene deep processing industry

12. Construction and operation of energy-saving technology improvement projects to optimize fixed-layer ammonia plants with advanced technology

13. Development of new power fuel M100 with methanol and new energy from ammonia production tail gas

14. Development of industrial grade and food grade CO₂ from industrial CO₂ production waste gas

15. Adipic acid production

16. The use of advanced technology to build 300,000 tons / year and above coal to ammonia and supporting urea project construction, operation

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

18. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)

quality float glass technology development and deep processing

19. Aluminum and other non-ferrous metals deep processing

20. High-performance aluminum alloy series product development

21. New short process steel smelting technology development and application

22. Development and application of non-blast furnace smelting technology (direct reduction method)

23. Abrasives products production
24. Development of new rock drilling tools and production of steel materials
25. Wine making, tea production equipment manufacturing
26. Processing of positive and negative 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. Power lithium battery material research and development, production
29. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")
30. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, central control panel assemblies, seats
31. Special construction machinery with special advantages, bridge and paving machinery, crushing machinery, hydraulic infrastructure, CNC machine tools, energy-saving environmental protection equipment, 4MW combustion turbine and the following product development, manufacturing
32. Product development and production of compound permanent magnet motor pumping machine series
33. Micro Motor Manufacturing
34. Development and manufacture of special equipment and products for mining, excavation, hoisting, underground transportation in complex geological conditions
35. Suitable for the western mountainous areas of light, durable, low consumption of small and medium-sized tillage and plant protection, water-saving irrigation, small drought equipment and agricultural machinery development, manufacturing of grain and oil crops, tea, special agricultural products
36. Solar power generation equipment and parts manufacturing
37. Broadband services and value-added telecommunications services (limited

to telecommunications services opened by China's WTO accession commitments)

38. Road passenger transport companies
39. Performance Agency
40. City gas, heat and water supply and drainage network construction, operation
41. Comprehensive Protection of Maotai Ecological Belt and Application of Remote Sensing Technology in Chishui River Basin
42. Tourist attractions (points) protection, development and operation and its supporting facilities construction
43. Ethnic minority special needs supplies, arts and crafts, silver, embroidery, batik and other special handicrafts, tourist souvenirs production
44. Wellness Tourism Development

Yunnan Province

1. Coffee, tea, oil tea, oil tung planting, development, breeding, sales, deep processing and breeding and promotion of new varieties
2. New natural rubber development, application
3. Technology development and manufacturing of natural flavor and fragrance production
4. Returning farmland to forest and grass, natural forest protection and other national key ecological projects follow-up industry development
5. Highland lake protection, pollution control
6. Water-saving irrigation and dry farming water-saving technology development and application
7. Developmental operation of rural lodging and leisure agriculture and supporting infrastructure construction
8. Hilly mountain general-purpose power platform and supporting tillage, planting, plowing, plant protection, harvesting and other agricultural machinery R & D, manufacturing
9. Highland grape breeding, cultivation, production and wine making
10. Beer manufacturing industry
11. Non-ferrous metal deep processing
12. Fruit, nut, oilseed, spice and beverage crop cultivation and further processing
13. Daily processing of sugar cane 3000 tons and more sugar refining and waste molasses, bagasse, cane leaves, filter mud, alcohol waste liquor and other by-products of comprehensive utilization
14. Nutritional food, health food development and production
15. Special edible resources development and application
16. In line with ecological and environmental requirements of flax processing, development and comprehensive utilization of by-products
17. The use of cassava, jatropha, rubber seeds and other non-food plants as raw materials for the production of bio-liquid fuels (fuel ethanol, biodiesel)
18. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing
19. Shoes, hats, toys, wigs, bags, leather goods development and production

- 20. Development, conservation and sustainable use of plant and animal medicinal resources
- 21. Production of high-end furniture made of offshore wood and rattan
- 22. R&D and manufacturing of sporting goods and related products

23. Packaging decoration and other printing
24. Ethnic specialties, special crafts and packaging containers material production
25. Biomedical technology development, production
26. Natural drugs, APIs, deep processing of proprietary Chinese medicines, Chinese medicine processing and extraction of biological components, specialty APIs and intermediates, overseas Chinese medicines, chemical generic production (excluding confidential prescriptions)
27. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality float glass technology development and deep processing
28. Green aluminum, green silicon, green titanium production, deep processing and their applications
29. Special engineering machinery with special advantages, CNC machine tools, energy saving and environmental protection equipment development, production
30. Biomass power generation equipment manufacturing
31. Solar, wind power generation equipment and parts manufacturing
32. Green agriculture, energy-saving and environmentally intelligent agricultural equipment (agricultural products cleaning, grading and sorting, drying, packaging and other agricultural equipment) R & D, manufacturing
33. Efficient plant protection, origin drying, deep processing, straw treatment and other aspects of the mechanization of tillage and harvesting links integrated supporting R & D, manufacturing
34. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")
35. Comprehensive management of solid waste from limestone mines
36. Fourth-generation, fifth-generation and subsequent mobile communication system telecommunications equipment, intelligent terminals, parts and components manufacturing and related software and hardware technology development, technical services
37. New data center-related software and hardware systems, equipment, parts

and components manufacturing, technology development and technical services

38. IoT-related software and hardware systems, equipment, parts and components manufacturing, technology development and technical services

39. Cross-border logistics and cold chain logistics

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

41. Commercial chain management, cross-regional agency management and other new distribution industry

42. Energy storage technology research and development and production applications (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)

43. Tourism agriculture, leisure agriculture development and operation and its supporting facilities construction

44. Art performance training, intermediary services, ecological tourism resources development
45. Tourist attractions (points) protection, development and operation and its supporting facilities construction
46. Cultural performance venue construction, performance brokerage agencies
47. Health Care Tourism Development

Tibet Autonomous Region

1. Highland special agricultural and livestock products (barley, cattle, sheep, etc.) planting, breeding and production processing
2. Forage crop cultivation and deep processing
3. Returning farmland to forest and grass, natural forest protection and other national key ecological projects follow-up industry development
4. Water-saving irrigation and dry farming water-saving technology development and application
5. Exploitation of Salt Lake Resources
6. Drinking natural mineral water production
7. Cashmere, leather products deep processing and Tibetan carpet production
8. Flower and nursery base construction and operation
9. Research and development of technology for cultivation of forest resources and deep processing of forest products
10. Development and utilization of new technologies for barley, pasture and other crops
11. Highland special food resources development and utilization and production and processing
12. Natural drugs, raw materials, proprietary Chinese medicine deep processing (not including confidential prescriptions)
13. Tibetan medicine new varieties, new dosage form product production
14. Ethnic minority special needs supplies, arts and crafts, packaging container materials, daily glass products and special tourist goods souvenirs production
15. Environmental equipment manufacturing and solution application
16. Solar energy, ground energy, wind power generation equipment and parts manufacturing

17. New medical device equipment and medical materials production and processing
18. Ecosystem restoration and reconstruction project in mining areas
19. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
20. Road passenger transport companies
21. Commercial network construction, warehousing and logistics infrastructure construction, commercial chain management, cross-regional agency operations and other distribution industry

22. Energy storage technology research and development and production applications (including pumped storage, electrochemical energy storage, compressed air energy storage, flywheel energy storage, hydrogen energy storage, thermal energy storage, etc.)

23. City gas, heat and water supply and drainage network construction, operation

24. Development and operation of tourism agriculture, leisure agriculture and construction of supporting facilities

25. Tourist attractions (points) protection, development and operation and its supporting facilities construction

26. Hot spring resource development and hot spring resort construction

Shaanxi Province

1. New crop variety selection and seed production

2. Small grains, potatoes, sweet potatoes, peppers, buckwheat, yams, walnuts planting and product development, production and deep processing

3. Selenium-rich special agricultural products development (excluding food crops)

4. Chinese herbal medicine production quality management standard (GAP) production base construction

5. Returning farmland to forest and grass, natural forest protection, water source protection and other key national ecological projects follow-up industry development

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

7. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing

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

9. Coal separation and utilization: coal to methanol and olefin and downstream coal to aromatics and ethylene glycol polyester production

10. Coal liquefaction oil and chemical production

11. Production and development of natural gas downstream chemicals (except for those included in the "Natural Gas Utilization Policy" restricted and prohibited

categories)

12. Biomedical technology development and production

13. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick)

quality float glass technology development and deep processing

14. Production and processing of vanadium alloy products

15. Aluminum, magnesium, titanium metal deep processing

16. Antibacterial raw materials for animals (including antibiotics, chemical synthesis class), animal vaccine production

17. More than five-axis linkage of high-speed, precision CNC machine tools and supporting CNC systems, servo motors and drive devices,

Functional parts, tools, gauges, measuring instruments and high-grade abrasives production

18. New medical device equipment and medical materials production and processing
19. R & D and production of epidemic prevention, protection products and their production equipment
20. Power distribution switch control equipment manufacturing
21. Design and manufacture of blast furnace gas energy recovery turbine
22. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")
23. Auto parts manufacturing: commercial vehicles with the sixth stage and above emission standards of medium and heavy engines, high power density drive axles, follow the headlight system, LED headlights, clutch, hydraulic shock absorbers, central control panel assembly, seats, lightweight materials applications
24. Research and development of high-voltage power transmission and control equipment
25. Integrated circuit and production equipment development and production
26. Smart phones, tablet PCs and other intelligent terminal products and key components of technology development, production
27. Flexible display, display material production
28. R&D and production of contact display and communication terminal products and components
29. Commercial chain management, cross-regional agency management and other new distribution industry
30. Broadband services and value-added telecommunications services (limited to telecommunications services opened 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. City gas, heat and water supply and drainage network construction, operation
- 36. Sports events (excluding e-sports) operation and sports fitness and leisure services
- 37. Tourism agriculture, leisure agriculture development and operation and its supporting facilities construction
- 38. Wellness and leisure services, leisure tourism and other leisure industries
- 39. Travel Agency
- 40. Tourist attractions (points) protection, development and operation and its supporting facilities construction
- 41. Resource-depleted cities resource deep processing and succession industry and other projects

Gansu Province

1. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
2. Development and production of melon, vegetable and flower seeds
3. Modern Silk Road cold and dry agriculture advantageous characteristics of agricultural and livestock products standardized large-scale planting, breeding and deep processing
4. Wood processing using offshore resources
5. Planting, breeding and processing of special Chinese herbs, construction of production bases of Chinese herbs production quality management standard (GAP)
6. Natural gas downstream chemical products production and development (included in the "Natural Gas Utilization Policy" except for the restricted and prohibited categories)
7. Extended processing of petroleum and chemical industries
8. Comprehensive utilization of chemical raw material waste gas, waste liquid and waste residue
9. R & D and production of epidemic prevention, protection products and their production equipment
10. Biopharmaceuticals and pharmaceutical intermediates, biological agents R & D, production
11. Medical equipment and key components development, production
12. Graphene, carbon fibers (composite materials) and other carbon materials production equipment (weather precipitation, carbonization sintering, etc.) research and development, manufacturing, graphene, carbon fibers (including composite materials) and other carbon materials research and development production and end product manufacturing
13. Aluminum, copper, nickel and other non-ferrous metals deep processing
14. High-tech non-ferrous metal materials and their products production: aluminum foil for lithium battery electrodes, electrolytic copper foil, high-performance copper-nickel
15. Titanium machining
16. Manufacture of high density, high precision, complex shaped powder metallurgy parts and chains for automobiles, construction machinery, etc.

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

18. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")

19. Stainless steel products production

20. High-performance aluminum alloy series product development

21. New short process steel smelting technology development and application

22. Lithium-ion battery development, production

23. Integrated circuit R&D, packaging, testing
24. Production and development of CNC machine tools and metal cutting machine tools
25. Self-lubricating bearings, various types of mechanical bearings and parts manufacturing
26. High and low voltage transmission and distribution gas equipment production
27. Auto parts manufacturing: six-speed automatic transmission, high power density drive axles for commercial vehicles, follow-me headlight systems, LED headlights, lightweight material applications (high-strength steel, aluminum-magnesium alloy, composite plastics, powder metallurgy, high-strength composite fibers, etc.), clutches, hydraulic shock absorbers, central control panel assemblies, seats
28. Solar, wind power generation and equipment manufacturing
29. Commercial chain management, cross-regional agency management and other new distribution industry
30. Animation creation, production and derivatives development
31. City gas, heat and water supply and drainage network construction, operation
32. Stadium facilities construction, sports events (excluding e-sports) operation and sports fitness and leisure services
33. Wellness and leisure services, leisure tourism and other leisure industries
34. Tourist attractions (points) protection, development and operation and its supporting facilities construction

Qinghai Province

1. Conservation, breeding and processing of highland plant and animal resources
2. Chinese wolfberry, barley and other planting and deep processing
3. Feed processing
4. Returning farmland to forest and grass, grazing and grass, natural forest protection, soil and water conservation and comprehensive water ecological management and other national key ecological projects follow-up industry development
5. Water-saving irrigation and dry farming water-saving technology, conservation farming technology, facility agriculture technology, photovoltaic

agricultural technology development and application

6. Organic natural agricultural and livestock products base construction and product refinement and processing
7. Characteristic handicrafts, arts and crafts, tourism souvenirs design and production
8. Longevity energy-saving and environmental protection refractory production
9. Quartz, gypsum and other advantages of non-metallic mineral products and deep processing products (except exploration, mining)
10. Copper, aluminum, magnesium and other non-ferrous metals deep processing
11. Titanium metal deep processing

12. Nickel metal refining and deep processing
13. R&D and production of new metal alloy materials such as aluminum-based, magnesium-based, titanium-based, lithium-based and nickel-based
14. Chinese and Tibetan medicine new varieties, new dosage form product production
15. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality float glass technology development and deep processing
16. Production of engineering plastics such as polyformaldehyde and polyphenylene sulfide
17. Olefin downstream refined processing products
18. Resource utilization of industrial tailings and industrial production waste and low-grade, complex and difficult-to-treat ores
19. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")
20. R&D and manufacturing of upstream and downstream products of semiconductor lighting materials and related equipment
21. Solar, wind power generation equipment and parts manufacturing
22. Photovoltaic power generation system integration technology development and application
23. Lithium products production and special equipment development, manufacturing
24. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
25. Road passenger transport companies
26. Construction and operation of water projects
27. Urban and rural gas, heat and water supply and drainage network construction, operation
28. Commercial chain management, cross-regional agency management and other new distribution industry
29. Stadium facilities construction, sports events (excluding e-sports) operation

and sports fitness and leisure services

30. Ecological tourism resources conservation development and operation and its supporting facilities construction

Ningxia Autonomous Region

1. Potato seed production
2. Selection and production of melon, vegetable and flower seeds
3. Returning farmland to forest and grass, grazing and grass, natural forest protection and other key national ecological project follow-up industry development
4. Water-saving irrigation and dry farming water-saving technology, conservation tillage technology development and application
5. Chinese wolfberry, grapes, potatoes, small grains and other planting and deep processing
6. Sandy Chinese herbal medicine, sandy ecological economic forest, sandy melon and fruit, sandy facility agriculture, sandy building materials, sandy area

Sand industry such as new energy and desert tourism and leisure

7. Feed processing
8. Milk protein, casein and other high-end dairy products deep processing
9. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing
10. Creative design and production of tourism crafts
11. Development and production of high performance silicone oil, silicone rubber, resin, high quality fluorine resin, high performance fluorine rubber, fluorine containing fine chemicals and high quality fluorine containing inorganic salts, etc.
12. Carbon based materials, carbon fiber development and production
13. Spandex fiber manufacturing
14. Refined processing of tantalum, niobium and other rare metal materials
15. Research and development and production of new materials such as aluminum alloy, magnesium alloy, silicon and manganese alloy
16. Development and production of green electrode paste and cold pounding paste
17. Battery and electronic special materials manufacturing
18. Liquid crystal display materials and organic electroluminescent display materials manufacturing
19. Production of high performance radial tires: all steel radial tires, tubeless load radial tires, low profile and flat (below 55 series), high performance car radial tires with large rims (15" or more), aviation tires and agricultural radial tires
20. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")
21. More than three axis linkage of high-speed, precision CNC machine tools and supporting CNC systems, servo motors and drives, functional components, tools, gauges, gauges and high-grade abrasives production
22. 5 million tons / year and above mines, thin coal seam integrated mining equipment, 10 million tons / year and above large open-pit mining key equipment
23. Wolfberry intelligent picking machinery R & D production
24. Solar power system, wind farm construction and operation

25. Special environment automatic control, intelligent instruments, meters and valves technology development
26. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)
27. Road passenger transport companies

28. International cargo multimodal transport, public-rail-sea multimodal transport, international road cargo transportation, international logistics supply chain management

29. Higher Education Institutions

30. Travel Agency

31. City gas, heat and water supply and drainage network construction, operation

32. Health and leisure services, tourism and leisure resort and other leisure industries

33. Tourist attractions (points) protection, development and operation and its supporting facilities construction

Xinjiang Autonomous Region (including Xinjiang Production and Construction Corps)

1. Modernized and standardized breeding of beef cattle and sheep

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

3. Returning farmland to forest and grass, grazing and grass, natural forest protection and other key national ecological projects follow-up industry development

4. Development and application of water-saving irrigation and dry farming water-saving technology, conservation farming technology, facility agriculture, organic agriculture

5. High-quality tomatoes, beets, pears, grapes, melons, red dates, walnuts, apricots, pomegranates, peppers and wolfberries and other high-quality specialty agricultural products and deep processing

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

7. Construction of high-quality wine grape bases (raw grape wine, grape distillate supply base) and wine (dry wine, ice wine, traditional Moussalais wine) production

8. High-grade nutritional formula, high-quality industrial dairy powder, cheese, casein, cream, condensed milk, yogurt and other solid and semi-solid dairy products production

9. Feed processing

10. Flax, sea buckthorn, lavender, rose cultivation and its products production
11. Manufacture of spare parts and accessories for the textile and apparel industry
12. Cotton, wool, hemp, silk, chemical fiber high-grade textile, knitting and garment processing production and related product development, testing
13. Shoes, hats, toys, wigs, bags, leather goods development and production
14. Marble, Dongling jade, vermiculite, mica, asbestos, magnesite, limestone, red pillar, stone and other non-metallic minerals comprehensive utilization (except exploration, development)

15. High-end applications and deep processing of graphite
16. Coal processing application technology development
17. Comprehensive utilization of oil and gas associated resources
18. Venting gas recovery and utilization
19. Characteristic medicinal plant cultivation, processing and pharmaceutical new process development
20. Ethnic special needs supplies, arts and crafts, packaging container materials, daily glass products and handmade carpets, jade carvings, ethnic embroidery and other special handicrafts, tourist souvenirs production
21. New medical device equipment and medical materials production and processing
22. Special varieties (ultra-white, ultra-thin, online Low-E, hollow, ultra-thick) quality float glass technology development and deep processing
23. R&D and production of aluminum-based, silicon-based and polymeric membrane new materials
24. Copper, zinc, aluminum and other non-ferrous metals deep processing
25. Agricultural by-products processing equipment manufacturing
26. The production of intelligent modern agricultural equipment and supporting agricultural machinery
27. Professional shearing machinery and equipment manufacturing, including: flexible shaft shearing machine, hard shaft shearing machine, electric shearing machine and supporting shearing blades, parts
28. Electronic components, cell phones, smart wear, computer peripherals and other electronic products assembly
29. Environmental equipment manufacturing and its solution applications
30. Automobile manufacturing, special vehicles (excluding ordinary semi-trailers, dump trucks, tank cars, vans and warehouse vehicles) manufacturing (subject to the implementation of the "Automotive Industry Investment Management Regulations")
31. Mixed grain processing special equipment development, production
32. Solar, wind power generation equipment and parts manufacturing
33. Oil and mining and other special equipment manufacturing
34. Smart grid equipment, electrical complete control system equipment

manufacturing

35. Small snow clearing equipment manufacturing

36. Comprehensive utilization of iron and steel metallurgical solid waste, desulfurization gypsum, coal fly ash, calcium carbide slag comprehensive utilization and products, sewage purification and treatment of complete sets of equipment manufacturing

37. Comprehensive utilization of chemical raw material waste gas, waste liquid and waste residue

38. Broadband services and value-added telecommunications services (limited to telecommunications services opened by China's WTO accession commitments)

- 39. Road passenger transport companies
- 40. Commercial chain management, cross-regional agency management and other new distribution industry
- 41. Machinery and equipment operation and rental
- 42. City gas, heat and water supply and drainage network construction, operation
- 43. Travel Agency
- 44. Health Care Tourism Development
- 45. Tourist attractions (points) protection, development and operation and its supporting facilities construction
- 46. Ice and snow sports and tourism goods production
- 47. Desert tourism, desert recreation, sand ecological agriculture, sand building materials and other desert economic industries