

Machinery Industry¹Stable Growth Work Plan (2023-2024).

The machinery industry is a basic and strategic industry that provides technical equipment for the development of the national economy, the construction of national defense and military industry, and the people's livelihood. At present, the international situation is complex and changeable, the "triple pressure" of domestic economic development still exists, the development of our country's machinery industry is facing a new situation, and the pressure on the stable growth of the industry is greater. Implement the spirit of the 20th National Congress of the Communist Party of China and the spirit of the Central Economic Work Conference, put stable growth in the first place, promote the effective improvement of quality and reasonable growth of quantity, promote the stable growth of the machinery industry, improve quality, promote upgrading, ensure safety, and achieve the main expected

goals.

1. Guiding ideology

Adhere to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, resolutely implement the decisions and arrangements of the Party Central Committee and the State Council, adhere to the general tone of seeking progress while maintaining stability, better coordinate supply-side structural reform and expand domestic demand, guide the integrated and coordinated development of upstream and downstream industries, create effective demand through high-quality supply, strengthen systematic thinking and problem-oriented, adhere to multiple measures and division of policies, optimize supply, boost demand, stabilize expectations, and promote the operation of the machinery industry to maintain a reasonable range, in order to accelerate the promotion

¹Excludes automobiles, electrical appliances, internal combustion engines, petrochemical general, and heavy mining machinery.

Enter new industrialization, build a manufacturing power, and lay a solid foundation for building a modern socialist country in an all-round way.

2. Main objectives

From 2023 to 2024, the operation of the machinery industry will maintain a stable and positive trend, the resilience and safety level of key industrial chains and supply chains will continue to improve, and the quality and efficiency of industrial development will continue to increase. The specific goals are: strive to achieve an average growth rate of more than 3% in operating income and reach 8.1 trillion yuan by 2024; Key industries have shown a steady increase in scale, new growth points have emerged, the competitiveness of enterprises has been further enhanced, and the supply capacity has been significantly improved. The construction of industrial clusters has been continuously promoted, and a number of competitive small and medium-sized enterprise characteristic clusters and about 10 internationally competitive industrial clusters of about 100 billion yuan have been cultivated.

3. Work measures

(1) Continue to expand effective demand and

stabilize and strengthen the industry's stable growth traction

Implement the strategy of expanding domestic demand, focus on expanding investment, promote consumption, and stabilize exports, fully stimulate demand potential, and strengthen the engine for sustainable growth of the industry.

1.Dig deep into the potential of the domestic market.

Carry out industrial machine tools,
instrumentation, and agricultural machinery
installation

A series of actions to promote and apply innovative products such as high-end medical equipment, intelligent testing equipment, and robots to create a number of application verification units, production lines or typical scenarios, and form a good ecology for continuous application and iteration of innovative achievements. Give full play to the guiding role of subsidy policies for the purchase and application of agricultural machinery, and support the purchase of advanced and applicable agricultural machinery. Promote the construction of a **pilot** area for the R&D, manufacturing, promotion and application of agricultural machinery and equipment. Carry out pilot

projects for the integration of agricultural machinery R&D, manufacturing, promotion and application. Prepare industrial machine tools, high-end instruments, and intelligent testing equipment

Prepare application promotion catalogues to deepen large-scale applications in machinery, automobiles, aerospace, electronics and other fields. Give full play to the traction role of central financial funds, and support the daily procurement of science and technology, education, and medical institutions and the construction of major projects to give priority to the procurement of high-end instrumentation innovation products. Increase government procurement of the first (set) of mechanical products.

2.Focus on expanding effective investment.

Accelerate the promotion of strategic backbone channels and high-speed railways

Modern logistics and transportation systems such as roads, highways, highways, port and shipping facilities, modern airports, and logistics hubs, as well as modern energy systems such as clean energy bases, power transmission channels, and coastal nuclear power, urban smart parking facilities, new energy vehicle charging and swapping facilities, and other urban infrastructure construction, continue to promote the development of intelligent equipment such as construction machinery, rail transit equipment, instrumentation, and civil

machinery. Accelerate the promotion of intelligent manufacturing and robotics, major technical equipment, new energy vehicles and intelligent networked vehicles, agricultural machinery and equipment, high-end medical equipment and innovative drugs and other "14th Five-Year Plan". The planning outline is to build major engineering projects, and continue to expand the demand for industrial machine tools, instrumentation, pharmaceutical equipment, industrial robots, etc. Give full play to the role of government investment funds such as the National Manufacturing Transformation and Upgrading Fund, the Industrial Machine Tool Fund, and the Small and Medium-sized Enterprise Development Fund, guide social funds to increase investment in the manufacturing industry, form a physical workload as soon as possible, and form a demand for machinery and equipment. All localities should establish a collaborative guarantee mechanism for major investment projects, and coordinate to provide factor guarantee support for project land and energy demand included in the list of major projects.

3. Actively explore the international market. Increase export credit insurance and credit support High-quality enterprises in agricultural machinery and

equipment, basic parts and other industries "go global", improve the quality of products, services and international competitiveness, and consolidate the export market of traditional advantageous products.

drum

Encourage enterprises to make good use of free trade agreements such as the Regional Comprehensive Economic Partnership Agreement and actively participate in the joint construction of the "Belt and Road", give full play to the role of comprehensive bonded zones, industry regional exhibitions and other platforms, optimize the structure of export products, and further expand emerging markets. Support construction machinery, rail transit equipment and other enterprises to carry out global operations, actively participate in the formulation and revision of international standards, promote the overseas recognition and application of Chinese standards, and improve the global brand service system. Track and study the technical trade measures of relevant countries, actively help enterprises bail out, cross and break foreign technical trade barriers, and promote the export of machinery and equipment. Encourage foreign trade enterprises in the machinery industry to explore and develop trade digitalization and stabilize the resilience of export growth. Encourage all localities to actively use existing financial channels to support small, medium and micro enterprises to participate in overseas exhibitions and expand overseas

orders. Industry organizations are encouraged to strengthen research on international trade rules and trade situations, help enterprises improve their risk response capabilities, and enhance their ability to comply, safely and sustainably manage overseas operations.

4.Build a high-level supply and demand docking platform.

Organize and carry out the China International Industry Expo World Intelligent Manufacturing Conference, World Robot Conference and other international brand exhibitions, support industry organizations to hold exhibition forums in machine tools, instrumentation, construction machinery and other subdivisions, promote technical exchanges, international cooperation, upstream and downstream docking of the industrial chain, and stimulate market demand. Organize major international exhibitions such as the China International Import Expo, the China Import and Export Fair, and the China International Consumer Goods Expo, promote the connection between supply and demand, and support industry organizations to hold regular information exchange meetings, technological achievement fairs, and other docking and exchange activities, so as to help

enterprises obtain effective market information in a timely manner and promote innovative results. Encourage Internet platform enterprises to build a number of professional online trading platforms that meet the characteristics of machinery, equipment and parts, and form online exhibitions, exchanges and docking, and business

One-stop supply and demand docking mechanism for negotiation, logistics and transportation, and after-sales service to improve the efficiency of supply and demand docking. Encourage industry organizations and local governments to jointly carry out the "Go Out and Invite In" activities, and encourage local governments to provide policy funds and other support for hosting international exhibitions and forums, and going abroad to participate in and visit exhibitions.

(2) Promote the intelligence of the manufacturing industry and do a solid job of supporting the stable growth of the hard industry

Adhere to the main direction of intelligent manufacturing, take the promotion of intelligent transformation and upgrading of the manufacturing industry as the main line, take the application and promotion of new models and the construction of pilot zones as the guide, drive key technological breakthroughs and model innovation, fully release the demand for manufacturing equipment renewal and transformation, and do a solid foundation for the stable growth of the hard machinery industry.

1. Accelerate the promotion of new models of

intelligent manufacturing. Continue to implement pilot demonstrations of intelligent manufacturing Action, build a number of world-class smart factories and smart supply chains, and explore the transformation of enterprise form and industrial model. For the raw material industry, breakthroughs are made in advanced process control, energy consumption and emission optimization, etc., to achieve efficient, safe and green production. For the equipment manufacturing industry, carry out model-driven research and development, digital virtual pilot tests, etc., to create agile and efficient high-end equipment development capabilities. For the consumer goods industry, explore direct manufacturing and distributed manufacturing to meet diversified and high-quality consumer needs. For the electronic information industry, implement supply chain risk early warning and intelligent management and control, and build a resilient and flexible supply system. Implement the guidance plan for technological transformation and upgrading of industrial enterprises, and support enterprises to accelerate the implementation of technological transformation and upgrading projects.

2.Promote the research of intelligent manufacturing system solutions. Develop a number of key

intelligent systems

Build system solutions to drive overall breakthroughs in manufacturing equipment and industrial software.

Relying on major projects and backbone enterprises, focus on common characteristics such as typical scenarios and key processes in key industries

Demand, tackle a number of intelligent manufacturing complete sets of equipment, develop a number of industry-specific software, create a number of standardized, easy-to-promote and independent intelligent manufacturing system solutions, promote the collaborative innovation of intelligent manufacturing equipment, software and solutions, and support the construction and operation and maintenance of smart factories, production process optimization, product life cycle management and supply chain collaboration. Facing the safety and controllable needs of key industrial chains in the manufacturing industry, relying on the construction of smart factories, we will drive the test verification, engineering application and iterative upgrading of intelligent manufacturing system solutions, and greatly improve the independent and controllable level of smart factory construction. Cultivate and expand the team of system solution suppliers, improve the hierarchical classification system of system solution suppliers, further standardize the integrated service content, process and quality requirements, and guide the standardized development of suppliers.

3.Promote the digital transformation of small and medium-sized enterprises.

Give full play to the traction of technological transformation

Promote the large-scale promotion and application of low-cost solutions suitable for small and medium-sized enterprises for typical scenarios such as lean management, online testing, intelligent warehousing, and quality traceability. Give full play to the leading role of leading enterprises in the supply chain, promote upstream and downstream enterprises to popularize intelligent manufacturing equipment and software, advanced management concepts, and key manufacturing processes, and comprehensively improve the digital and intelligent level of key industries. Encourage local governments to select digital service providers based on merit to provide small and medium-sized enterprises with services such as assessment and diagnosis, planning and consulting, equipment transformation, standard application, inspection and testing, and help small and medium-sized enterprises achieve digital and intelligent transformation.

4.Explore the construction of intelligent manufacturing pilot zones.

Encourage qualified places to increase policies

Support the intensity, carry out innovative exploration of intelligent manufacturing policy mechanisms and future development models of the manufacturing industry, and take the lead in the digital transformation and intelligent upgrading of leading industries, intelligent manufacturing technology innovation and supply capacity improvement, so as to form regional intelligence with distinctive characteristics

It can create a development path and replicate and promote it to the whole country. Support regions with strong foundations and complete elements, comprehensively improve the innovation, application, supply and support capabilities of intelligent manufacturing, and create a comprehensive development benchmark with significant leading effects. Support regions with distinctive characteristics of leading industries, carry out in-depth construction of smart factories and smart supply chains, and form a popular model with outstanding manufacturing capabilities. Support areas where supply resources such as equipment, software, and system solutions are concentrated, promote the cultivation of high-quality suppliers, and build an industrial foundation with strong independent supply capabilities. Support regions with outstanding innovation resource endowments and advantages, promote technological innovation research, and create innovation-driven models.

(3) Comprehensively improve the supply capacity and optimize and refine the driving force for stable growth in the industry

Adhere to deepening supply-side structural reforms,

focus on comprehensively improving supply capacity, strengthen the construction of industrial ecosystems, improve the resilience of industrial chains and supply chains, lead and create effective demand with high-quality supply, and promote a virtuous circle of supply and demand at a higher level.

1. Stabilize and smooth key industrial chains and supply chains.

Coordinate and promote the reconstruction of the industrial base

Chenghe major technical equipment research projects, and carry out the "one-stop" process Application demonstration. Accelerate the construction of national manufacturing innovation centers such as advanced rail transit equipment, robots, high-performance medical equipment, and agricultural machinery and equipment, lay out and build a number of industrial basic common technology centers such as industrial machine tools and instrumentation, and promote the research and development, popularization and application of common technologies in the industry. Deploy a number of pilot verification units and production lines to promote the grouping and beading of key machinery and equipment innovation achievements. Systematically sort out the shortcomings of key industries and key products, and

carry out the work of strengthening the chain and supplementing the chain of the key product industry chain. Encourage "zero" cooperation, and guide complete machine enterprises and basic parts enterprises to build achievement co-creation, path co-exploration, and wind

The new cooperation mechanism of risk sharing and benefit sharing realizes the combination of technology research and development and manufacturing process improvement in parts research and development, testing and testing, etc., enhances collaborative manufacturing capabilities, jointly promotes product industrialization, and realizes quality, cost reduction and efficiency improvement.

2. Accelerate the digital development of equipment.

Research and formulate equipment figures to accelerate the promotion of equipment

Promote the deep integration of new generation information technology and equipment technology such as artificial intelligence, big data, and industrial interconnection, and improve the level of digital intelligence of equipment. Build a high-efficiency innovation system, promote the construction of industrial control, intelligent testing and other innovation centers and national industrial measurement and testing centers, strengthen the development of intelligent equipment and key shortcomings, carry out industrial software engineering testing and verification, and further activate the value of data.

For typical scenarios of digital China such as intelligent agriculture, intelligent medical care, intelligent manufacturing, intelligent transportation, intelligent energy, and intelligent construction, promote the transformation and upgrading of a number of in-service equipment, upgrade a number of new equipment, and originally develop a number of cutting-edge equipment. Build a base for the application and maturation of intelligent equipment, accelerate the construction of high-energy test and verification platforms, inspection and testing platforms, and promote the industrialization of intelligent equipment engineering. Organize and carry out demonstrations of intelligent equipment to strongly support the digital transformation and intelligent upgrading of key industries. Accelerate the transformation of service-oriented manufacturing in the machinery industry, strengthen demonstration and promotion, expand new space for service business, and cultivate new momentum.

3.Strengthen quality brand building. Carry out

actions to improve the reliability of mechanical products. Fact

The reliability of basic product reliability "foundation" project focuses on improving the

reliability, consistency and stability of general basic components such as lead screws, guide rails, and spindles for industrial machine tools, precision seeding gears for agricultural machinery, digital hydraulic parts for construction machinery, precision reducers for industrial robots, and high-end bearings, precision gears, and other general basic components. Implement the whole machine equipment and

The "multiplication" project of system reliability focuses on improving the reliability level of high-end products such as five-axis linkage machining centers, large-scale high-end intelligent agricultural machinery, industrial robots, and industrial control devices. Carry out comparative evaluation activities on the quality and performance of machinery and equipment, formulate international benchmarking lists for industrial machine tools, agricultural machinery and equipment, medical equipment, etc., and promote the improvement of key indicators of the reliability of complete machinery and equipment. Carry out national quality benchmark selection activities in the machinery industry, support professional institutions to organize and carry out experience exchange and training activities to improve the quality control ability of key manufacturing processes, and summarize and form a number of excellent cases of improving the ability of key manufacturing processes to be promoted. Encourage the development of high-end quality certification of mechanical products, organize special activities for the upward development of Chinese brands, strengthen the promotion and cultivation of brands in key industries such as

industrial machine tools, medical equipment, robots, and agricultural machinery and equipment, and enhance the competitiveness of Chinese brands.

4.Improve the gradient cultivation system of high-quality enterprises.

Select a group of people who are at the core of the industrial chain

The "chain master" enterprises in a dominant position should make good use of existing policy channel resources such as special funds, national industrial integration platforms, and funds, and "one enterprise, one case"Support enterprises to become stronger, better and bigger. Support industry organizations to cultivate the top 100 enterprises in the machinery industry and the top 100 parts enterprises. In strategic basic fields such as industrial machine tools, robots, medical equipment, agricultural machinery and equipment, instrumentation, rail transit, and basic parts, we will strengthen the cultivation of specialized and new "little giants", individual champion enterprises, and pilot enterprises, support the professional and differentiated development of enterprises, and create "unique skills" ". Establish a gradient cultivation platform for high-quality small and medium-sized enterprises, strengthen the dynamic management of

enterprise cultivation lists, and strive to improve the quality and efficiency of cultivation. Implement several measures to help small, medium and micro enterprises stabilize their growth, adjust their structure and strengthen their capabilities, and implement the "one chain, one policy, one batch" financing promotion action for small, medium and micro enterprises. Deepen the "Benefit Enterprises Together" small and medium-sized enterprise service action, and carry out the "Small and Medium-sized Enterprise Service Month" activity. Implement the integration and innovation of large and small enterprises

The new "Hand in Hand Action" will hold the "100,000 Enterprises" large and medium-sized enterprise integration and docking activities. Support "chain master" enterprises to integrate industrial chain resources, promote the construction of a number of large and medium-sized enterprise industrial technology innovation alliances or innovation consortiums, carry out collaborative research by upstream and downstream enterprises, form stable supporting and collaborative innovation, and strengthen the resilience of industrial chain support.

5.Promote coordinated development in key areas.

Promote the Eastern, Central, Western, and Northeast regions

Make full use of resource factor endowments to achieve coordinated and differentiated development. While maintaining a stable growth rate, the major machinery provinces in the eastern region should pay attention to the quality of growth, play a leading role in innovation, and concentrate on breaking through a number of key components and complete sets of equipment. The northeast region should accelerate the high-end, intelligent and green transformation of traditional

advantageous industries, improve industrial operation efficiency, improve market and service capabilities, and promote the steady growth and transformation and upgrading of the industry. The central and western regions should enhance regional supporting capabilities, undertake strategic and basic industrial transfers in an orderly manner, accelerate the extension of the industrial chain, and build a number of internationally competitive machinery and equipment manufacturing bases. Implement the guidance on promoting the orderly transfer of the manufacturing industry and the guidance catalogue for the transfer and development of the manufacturing industry, carry out the "1+N" manufacturing transfer and development docking activities, strengthen demonstration and promotion and services, carry out the selection of typical cooperation models for industrial transfer, create a number of pilot parks for the transfer of equipment industry, and promote the orderly transfer of industries from the eastern coast to the central and western regions and the northeast region. Encourage local governments to set up industrial transfer funds under the premise of controllable risks and adherence to marketization.

Promote the development of industrial clusters, cultivate and build a number of characteristic industrial clusters of small and medium-sized enterprises in machinery and equipment manufacturing, demonstration bases for new industrialization industries, and advanced manufacturing clusters in the fields of industrial machine tools, promote the innovative development of 10 advanced manufacturing clusters of 100 billion yuan such as rail transit, construction machinery, and intelligent equipment, and build internationally competitive industrial clusters.

(4) Adhere to the precise implementation of policies by division of industries to stimulate the stable growth vitality of key industries

Strengthen precise policies, take promoting the high-quality development of key subdivisions as the main line, coordinate and promote the supplementary shortcomings, forging long boards, strengthening the foundation, and cultivating emerging industries, and stimulate the endogenous and sustainable growth momentum of key subdivisions such as industrial machine tools.

1. Supplement the chain and promote the quality and efficiency of basic equipment

Industrial machine tools. Strengthen top-level design, adhere to problem-oriented, scenario traction, pilot verification, and group connection, carry out key core technology research, and improve industrial machine tool production industry innovation ability, supply capacity and support and guarantee ability. Promote the digital development of industrial machine tools, and support the development of standards and the transformation of achievements. Improve the production and demand docking mechanism between industrial machine tool enterprises and user enterprises, focus on the needs of key users such as new

energy vehicles, aerospace, construction machinery, and basic parts, carry out production and demand docking activities, encourage key users to boldly try innovative products, and promote the mass application of high-end industrial machine tools. Guide and encourage industrial machine tool enterprises to actively expand overseas markets, optimize the export variety structure, and continue to enhance the international competitiveness of mid-to-high-end industrial machine tool products.

instrumentation. Increase support for innovation in the instrumentation industry. Support is excellent Potential enterprises can better integrate industry resources, enhance industrial concentration, and cultivate leading enterprises with independent intellectual property rights and international competitiveness. Organize and carry out comparative testing and analysis of domestic and imported products, and study and formulate innovative product catalogs of high-end instruments and parts. Research and promote the construction of industrial clusters, and support local governments to build industrial clusters based on local basic conditions and wishes. Support leading enterprises and scientific research institutes to jointly build a common technology platform and improve the efficiency

of high-end instrument research and development.

Agricultural machinery and equipment. Organize actions to make up for the shortcomings of agricultural machinery and equipment, focusing on large large horsepower and high horsepower

Intelligent agricultural machinery and small agricultural machinery suitable for hilly and mountainous areas, accelerate the research and development of short-board machinery and technological innovation in weak links, optimize the product structure of agricultural machinery and equipment, and make every effort to promote the upgrading of agricultural machinery and equipment. Focusing on the needs of soybean oil crops and agricultural machinery and equipment in hilly and mountainous areas, enterprises, scientific research institutes, extension institutions, application entities, etc. are encouraged to form a consortium to carry out collaborative research. Adopt the "unveiling the list" model to carry out the research and promotion and application of urgently needed agricultural machinery and equipment. Support the integrated application of Beidou intelligent monitoring terminals and assisted driving systems, cultivate and form chain and systematic intelligent operation and command and dispatch capabilities, promote the collaborative innovation of intelligent agricultural machinery with smart farms and cloud farms, continue to promote the pilot of unmanned agricultural operations,

and promote the development of smart agriculture.

Basic components and basic manufacturing

processes. Carry out innovation capacity improvement and engineering

Application verification, strengthening the industrial chain and supplementing the chain, cultivating high-quality enterprises and industrial clusters, and promoting advanced manufacturing models will promote breakthroughs in core basic components, system control technology and basic manufacturing processes in key areas. Promote the in-depth development of basic parts quality improvement projects, expand the coverage of varieties and specifications, improve the consistency, safety and reliability of basic parts supplied in large quantities, and use quality early warning mechanisms to promote the optimization of industrial structure and market ecology. Strengthen the coordinated development of basic components and complete machines, focus on key areas, give full play to the traction role of professional large enterprises and scientific research institutes, promote the coordination of technical standards of basic components and complete machine products, and jointly build a common technical cooperation and development platform. Implement the

guidance on promoting the high-quality development of the casting and forging industry, promote the upgrading of processing technology to efficiency and refinement, and promote the standardized, innovative, green and intelligent development of casting and forging enterprises.

**2.Consolidate the chain and strengthen the chain,
and consolidate the development momentum of
advantageous industries**

Construction machinery. Strive to improve the basic capacity of the industry, break through system control and hydraulics and other key core technologies and components to make up for the shortcomings of industrial development. Guide enterprises to strengthen the research and large-scale application of key core components such as batteries, motors, and electronic controls for new energy construction machinery. Research and carry out pilot and promotion support policies for the application of new energy construction machinery, explore the exit mechanism of old construction machinery, and support qualified regions to take the lead in implementing the filing management and exit mechanism of construction machinery. Focus on typical application scenarios such as mines and ports and the construction needs of major projects such as the Sichuan-Tibet Railway, and carry out demonstration applications of electrified products such as electric excavators and electric loaders. Support enterprises to strengthen the cultivation and international promotion of construction machinery brands, improve the global brand service system, and stabilize the resilience of export growth.

Rail transit equipment. Widely use new materials, new technologies and new processes to create Independent, intelligent and green rail transit equipment products with international competitiveness. Strengthen the research on core components of vehicles, traction, braking, signaling, power supply and other systems. Support qualified rail transit vehicles and core parts enterprises to build smart factories. Carry out basic research on rail transit equipment manufacturing and green intelligent equipment development, and expand the "manufacturing + service" model. Support rail transit equipment enterprises to "go global", carry out global operations, and build all-round international operation capabilities of "product + service + technology + investment".

3.Build and extend the chain, and continue to cultivate and expand emerging industries

Robot. Promote the establishment of a number of production-use collaborative innovation consortiums, establish a collaborative cooperation mechanism between production and demand with enterprises as the main body, and drive the whole machine and the zero department with demand as the traction

Accelerate iterative upgrading. In-depth implementation of "robot +" application actions to

improve application fields such as automobiles,
electronics, aerospace, rail transit, new energy,
medical care, and agriculture

Supply capacity of robot products and system solutions. Promote the establishment of a cross-departmental collaborative promotion mechanism, and build a public service platform for the supply and demand docking and application promotion of the "robot +" industrial chain. In mature application fields, select a number of benchmark enterprises and typical scenarios with outstanding application results and strong influence. In emerging applications and potential demand areas, a number of innovative technologies and solutions for robot applications will be solicited through "unveiling the list".

Medical equipment. Promote the establishment of ministries of industry and information technology, health, and drug supervision

The door collaborative working mechanism focuses on opening up the chain of high-end medical equipment development, registration and approval and clinical innovation. Build a collaborative innovation platform for industry, university, research and medicine, strengthen key core technology research, accelerate the completion of shortcomings in the high-end medical equipment industry chain, and improve the resilience and safety level of the industrial chain and supply chain.

Promote the integrated development of medical equipment with 5G, artificial intelligence, big data, Internet of Things, etc., cultivate new models and formats such as telemedicine, smart healthcare, and mobile medicine, and promote high-quality medical resources to benefit the general public. Create a number of high-end medical equipment application demonstration bases, promote the clinical verification and application promotion of medical equipment, and select a number of excellent application scenarios for telemedicine and smart medicine.

4. Safeguard measures

(1) Increase policy support. Use existing capital channels to support machinery manufacturing enterprises to carry out key core technology research and intelligent green transformation. Give full play to the role of the national industry and finance cooperation platform, guide financial institutions to increase credit support, and comprehensively use various financial tools to improve the quality and efficiency of financial services according to the characteristics of the machinery industry.

(2) Strengthen the supply of standards. Strengthen

the formulation and revision of standards for general parts, core special parts supporting main engine equipment, general manufacturing processes, instrumentation and special equipment, and improve industrial machine tools, medical equipment, agricultural machinery equipment, robots and other standards

Quasi-system. Aim at industrial upgrading, accelerate the construction of data security standard systems, and promote the development of reliability design, analysis, testing, evaluation, operation and maintenance, and application of key core products in key industries. Accelerate the development of key technologies and industry application standards for intelligent manufacturing, organize and implement standard pilot actions, and carry out standard application pilots and standard implementation activities. Encourage industry associations to cooperate with leading enterprises to develop advanced group standards, actively participate in international standardization work, and promote the internationalization of machinery industry standards.

(3) Strengthen monitoring and scheduling. Use information platforms such as "digital industry and information technology" to strengthen Operation monitoring and scheduling analysis, timely discover the emergence, potential and tendency problems in operation. Organize and hold economic operation analysis meetings in key industries and key regions, strengthen analysis and judgment, and grasp the development of regions, industries and enterprises in a

timely manner. Implement the spirit of the Party Central Committee on Daxing investigation and research, organize and carry out special research on stable growth, go deep into the grassroots and the front line of the industry, understand the pain points and difficulties that restrict the development of enterprises in the industry, and coordinate and solve the problems of "urgency, difficulty and longing" of enterprises. Strengthen information sharing and experience summary, explore typical cases of stable growth in local and industrial areas, and refine and promote experience and practices that can be used as reference.

(4) Strengthen organization and implementation. All departments should have a deep understanding of promoting the stability of the machinery industry. The importance of growth to stabilize the economic fundamentals, consolidate responsibilities, strengthen coordination and cooperation, form a joint force, refine the implementation of various measures, pay close attention to implementation, and coordinate the steady growth of the machinery industry. All localities should be based on reality, introduce targeted policies for the stable growth of the machinery industry in their regions, stabilize the development of key industries and

key enterprises, and strive to achieve the expected goals. Promote the establishment of central and local linkage and consultation and exchange mechanisms, adhere to goals and problem orientation, and coordinate and solve major problems encountered in the development of the machinery industry. Industry associations, industrial alliances, and other industry organizations should play a role in service and support, and increase policy solutions

Read and positive publicity, strengthen investigation and research, study and judge the impact of the domestic and foreign situation on the industry and field, especially the impact of small, medium and micro enterprises, timely reflect and help enterprises to solve difficulties, actively build an industry exchange and display platform, and strengthen the connection between supply and demand. The competent departments of industry and information technology in all regions and relevant national industry associations regularly report the implementation progress of the work of stabilizing the growth of their respective regions and industries every year.