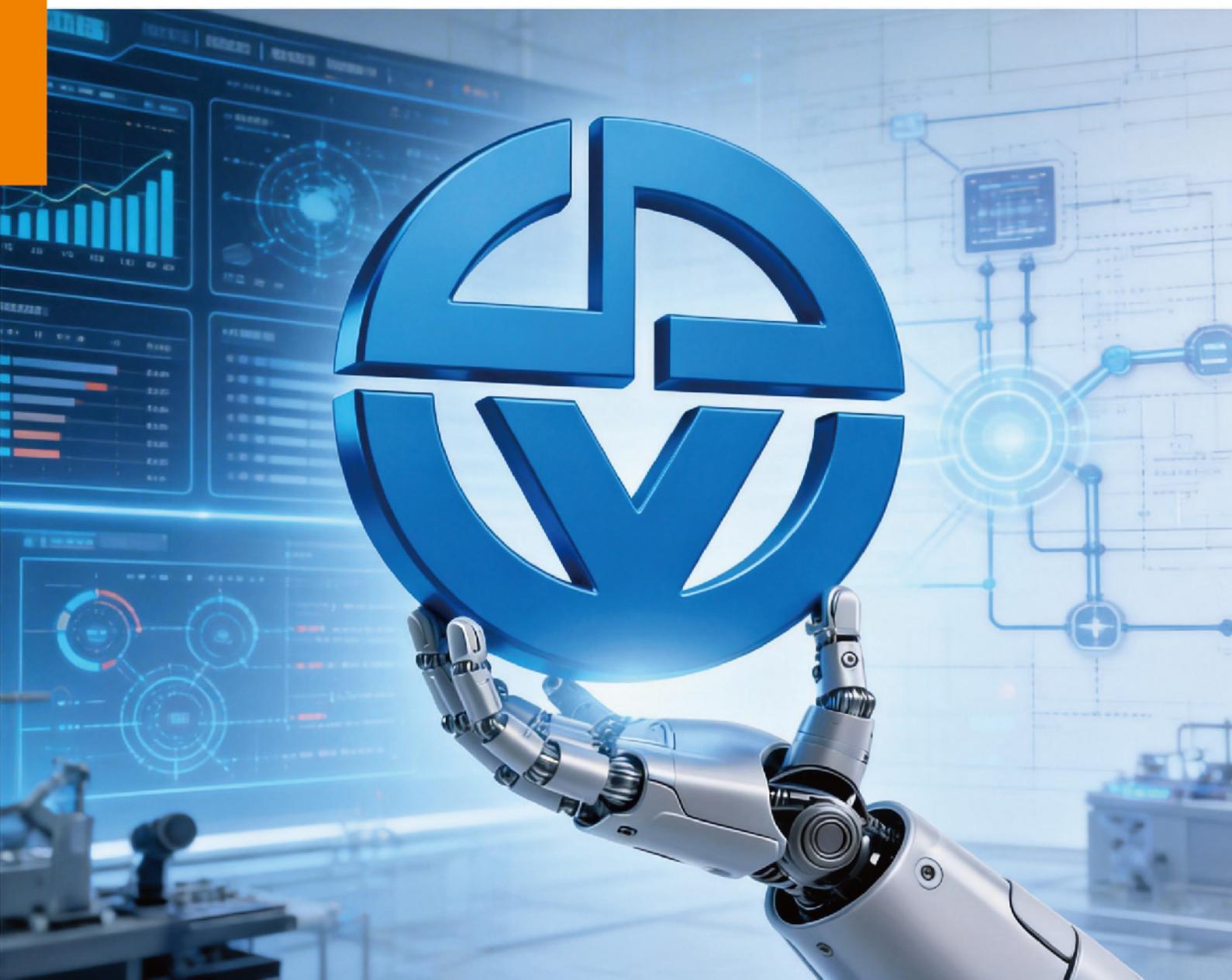


Intelligent Manufacturing Drives Sustainable Future



Powering **Smart & Sustainable** Advanced Manufacturing

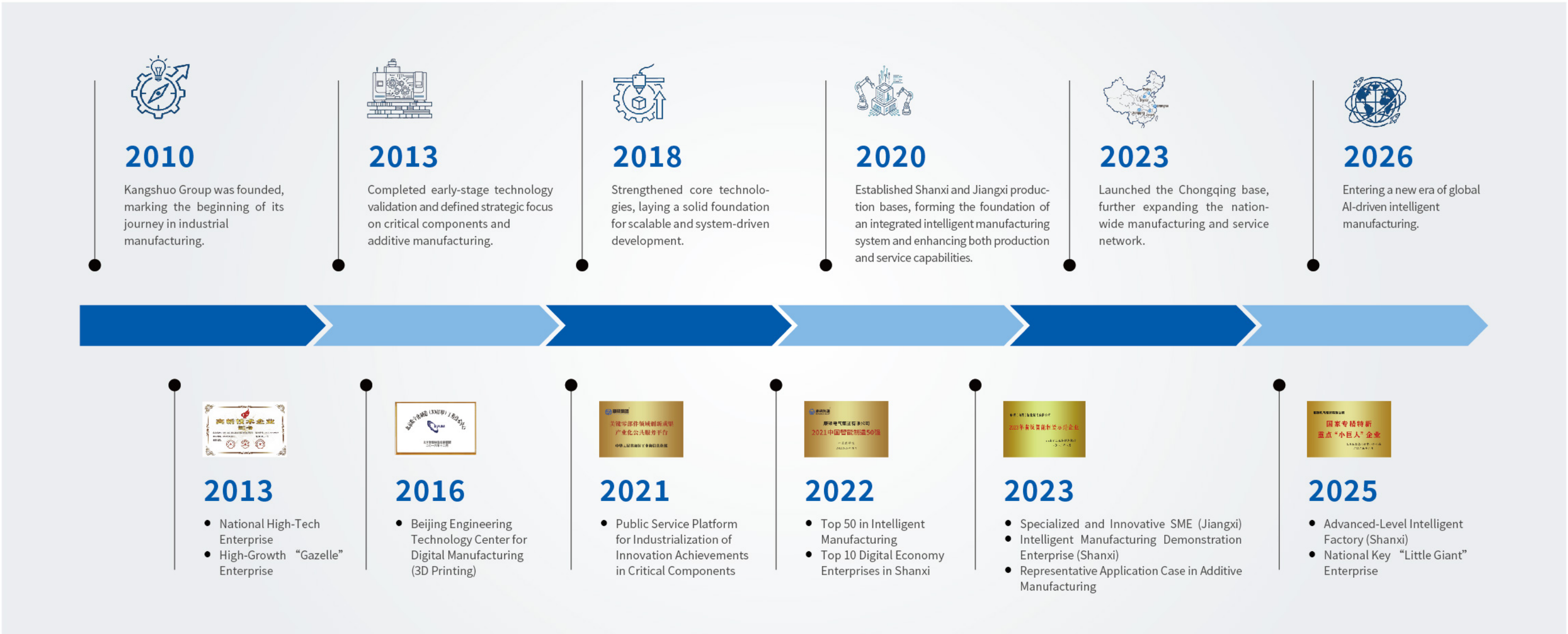
Founded in 2010, Kangshuo Group is dedicated to advancing intelligent manufacturing and sustainable development across the global high-end equipment sector.

Recognized as a National High-Tech Enterprise and a key “Specialized and Innovative Little Giant” company, Kangshuo has been designated by the Ministry of Industry and Information Technology (MIIT) as a Public Service Platform for the Industrialization of Innovation Achievements in critical components. The Group has also been selected as a benchmark enterprise for intelligent manufacturing demonstration factories.

INTELLIGENT
MANUFACTURING
DRIVES
SUSTAINABLE
FUTURE



Our Journey: From Exploration to Excellence



Innovation-Driven R&D

Focused on core technologies with continuous breakthroughs in specialized fields.

Intelligent Manufacturing

Enhancing product value and strengthening industrial competitiveness through smart production.

Ecosystem Collaboration

Building integrated value chains to optimize resource allocation and enable shared growth.

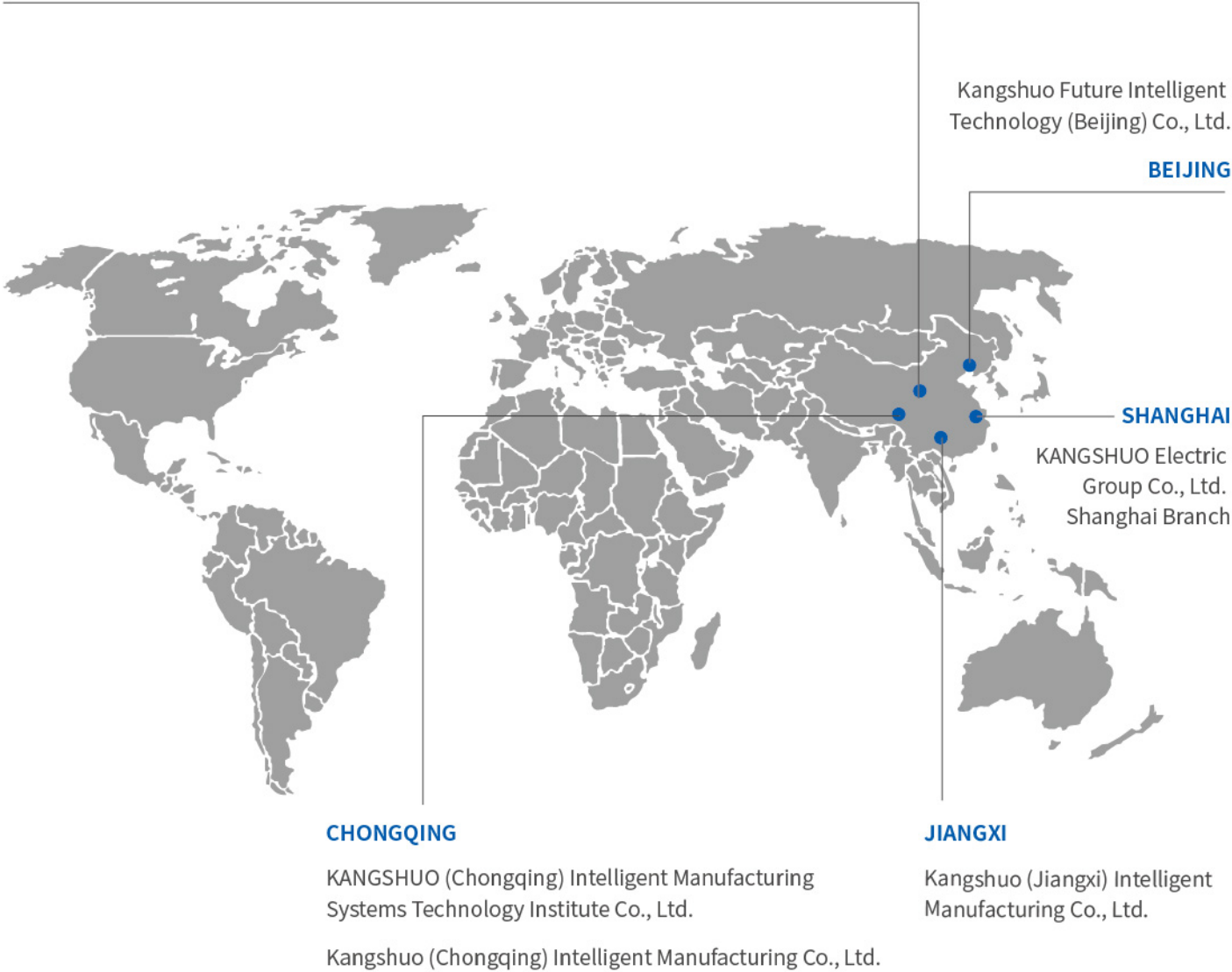
AI Empowerment

Developing digital models to accelerate AI-driven transformation in manufacturing.

Industrial Footprint

- KANGSHUO (Shanxi) Intelligent Manufacturing Co., Ltd.
- KANGSHUO Zhulong (Shanxi) Precision Components Co., Ltd.
- KANGSHUO (Shanxi) Precision Manufacturing Co., Ltd.
- KANGSHUO (Shanxi) Additive Manufacturing Co., Ltd.
- KANGSHUO (Shanxi) Inspection & Testing Center Co., Ltd.
- KANGSHUO Mingsheng (Shanxi) Intelligent Manufacturing Co., Ltd.
- KANGSHUO (Shanxi) Low-Stress Manufacturing Systems Technology Institute Co., Ltd.

SHANXI



3

Production Bases

Shanxi · Chongqing · Jiangxi

12

Subsidiaries

Covering the full intelligent manufacturing value chain

2

Central Research Institutes

Shanxi · Chongqing

> 80

Certifications & Honors

"Little Giant" enterprise for specialization and innovation

> 500

Patents

Granted invention patents

> 20

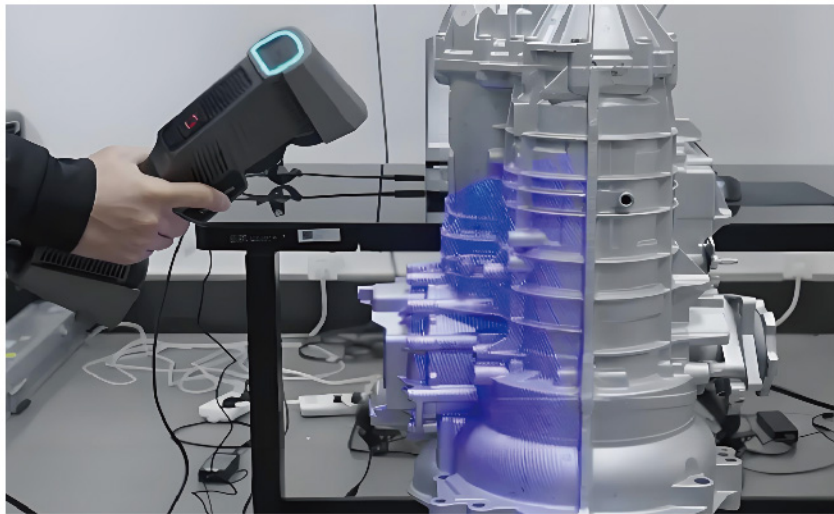
Academic Partnerships

Integrated Intelligent Manufacturing

Built on advanced technologies such as additive manufacturing and intelligent manufacturing, Kangshuo has established a **fully integrated, end-to-end manufacturing ecosystem**.

Design & Modeling

- Equipped with high-precision 3D scanning systems for rapid and accurate data acquisition
- Capable of modeling complex geometries and freeform surfaces with high fidelity
- Widely applied in product design, quality inspection, and reverse engineering



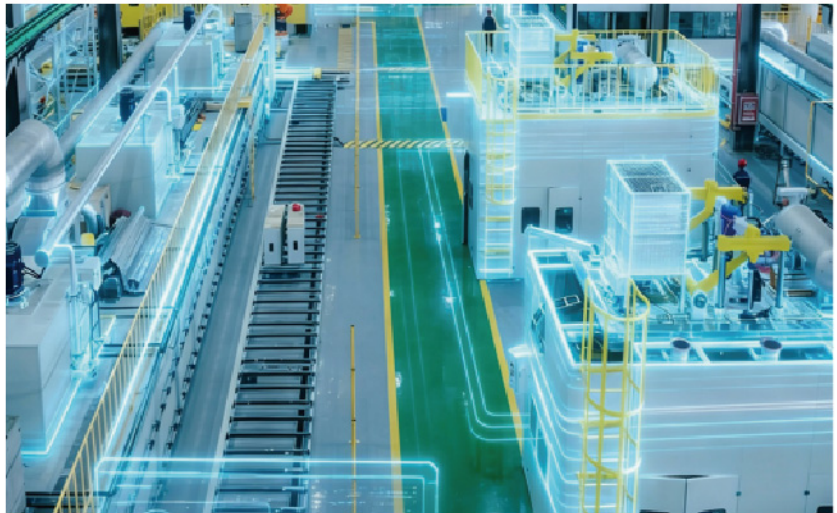
Sand Mold 3D Printing & Tooling

- High-speed printing up to 1200 mm/s with dual-direction sand recoating
- Large build size up to 1800 × 1000 × 700 mm for medium and large components
- High resolution up to 400 DPI, ensuring excellent detail and dimensional accuracy



Smart Factory & Casting

- The Group operates three smart manufacturing bases in Shanxi, Chongqing, and Jiangxi, with a total floor area of 200,000 m² and an annual designed capacity of 230,000 metric tons.
- Fully digitalized and flexible production covering the four core processes: melting, molding, core making, and fettling. Intelligent precision control of sand-to-iron and sand-to-aluminum ratios enables digital management of process parameters.
- High-end light alloy precision casting capabilities across multiple specifications, serving demanding applications in energy, power, and other advanced sectors.



Precision Machining

- A multi-site manufacturing network enables seamless cross-regional coordination, optimizing resource allocation and ensuring flexible capacity deployment.
- Over 100 CNC machining centers, including vertical, horizontal, and gantry machines, providing full-scale machining capabilities from 1000 × 600 × 600 mm up to gantry spans of 3,000–5,200 mm.
- A fully integrated process chain covering turning, milling, boring, grinding, gear machining, wire EDM, drilling, and precision inspection, enabling one-stop delivery from raw castings to finished components.



Inspection & Quality Assurance

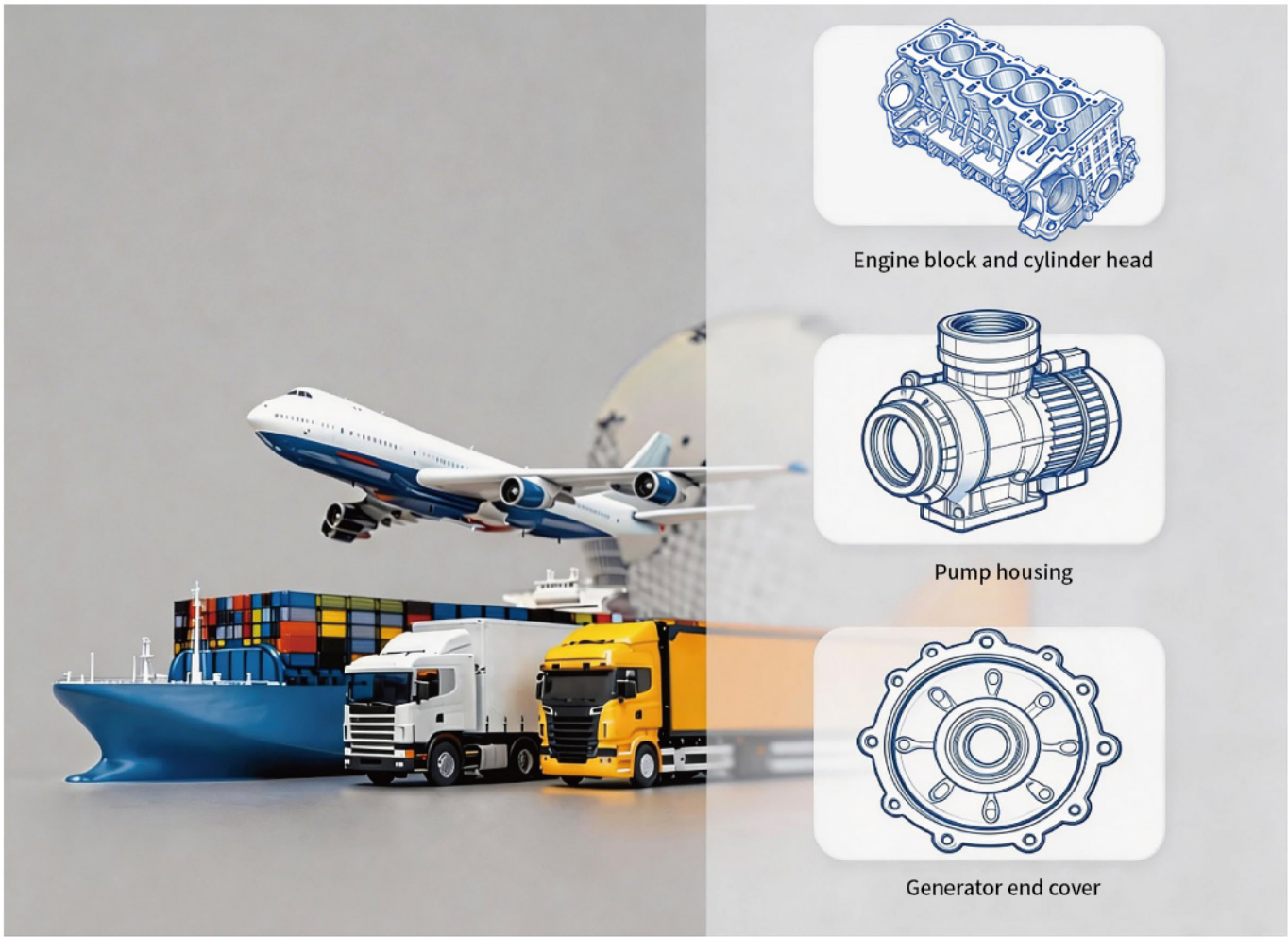
- Certified testing capabilities in compliance with national standards (CMA)
- End-to-end quality control system with full traceability
- High-precision coordinate measuring systems ensuring industry-leading accuracy
- Multi-functional integrated inspection solutions



High-quality development of **key components** **Pioneer of** intelligent high-end equipment

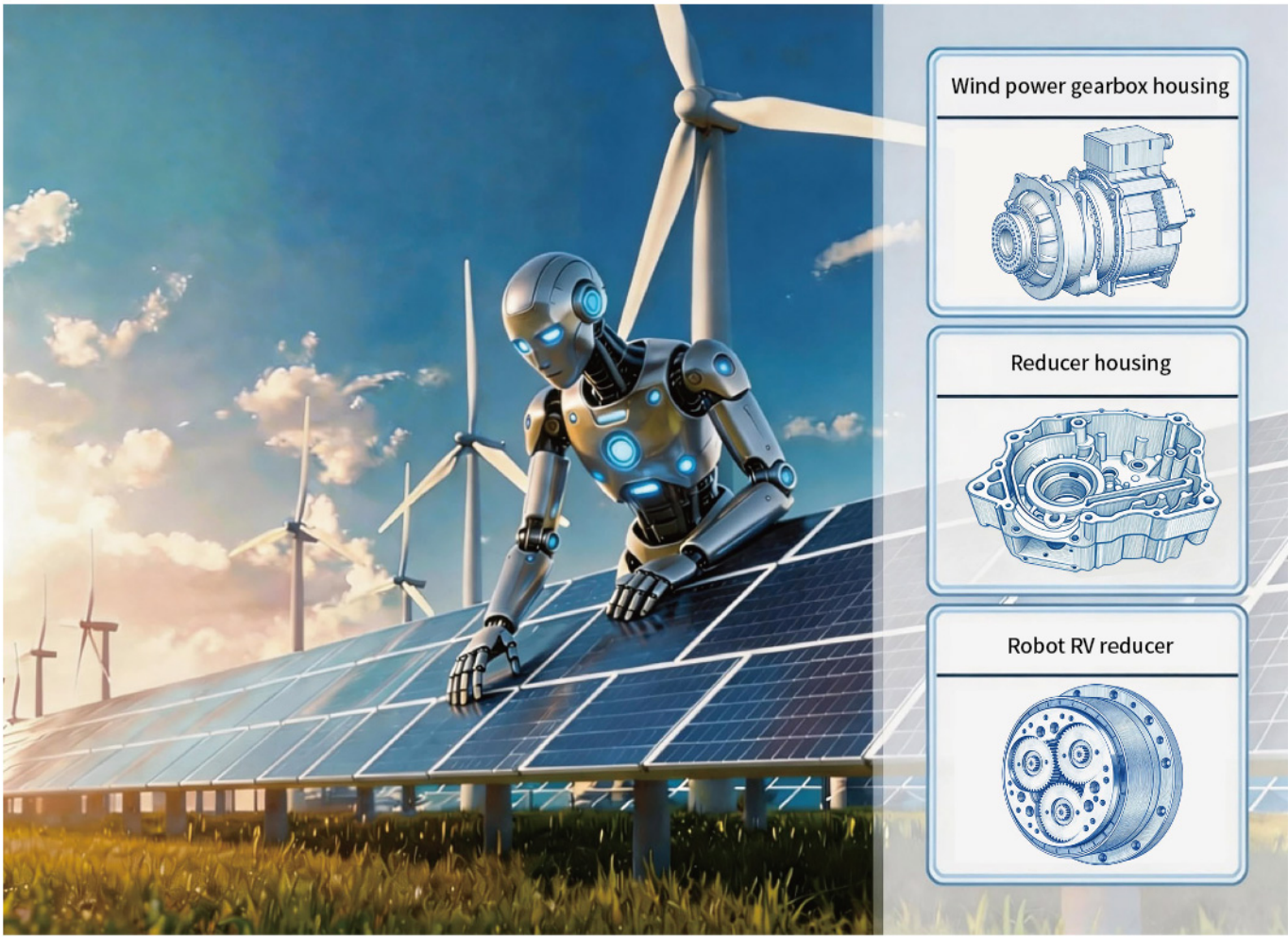
Power System Products

- Engine core (Engine block, cylinder head)
- Petrochemical power (Plunger pump power end housing)
- General energy generator base (Generator housing, generator end cover)
- Gas power (Gas turbine casing)
- Supercharging system (Turbocharger housing, intake/exhaust manifolds)



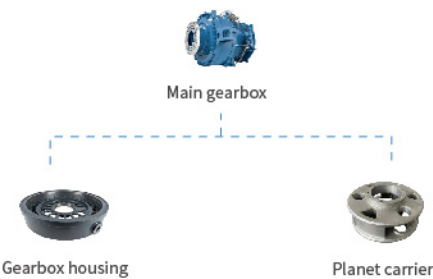
Transmission System Products

- Wind power transmission (Gearbox housing, planet carrier, transmission case)
- Industrial transmission (Increaser, reducer housing, gearbox housing)
- Robot precision transmission (Robot reducer, planetary reducer, RV reducer)

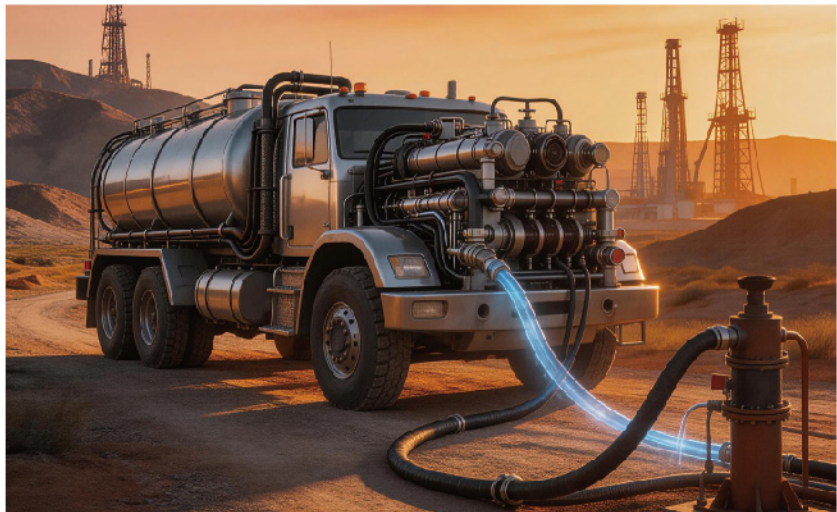
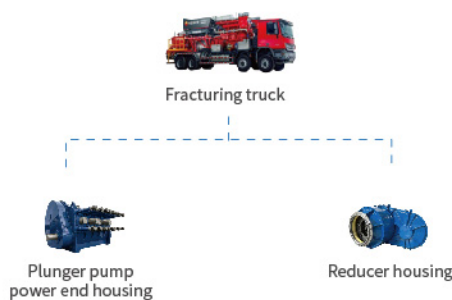


Industries and Application Scenarios

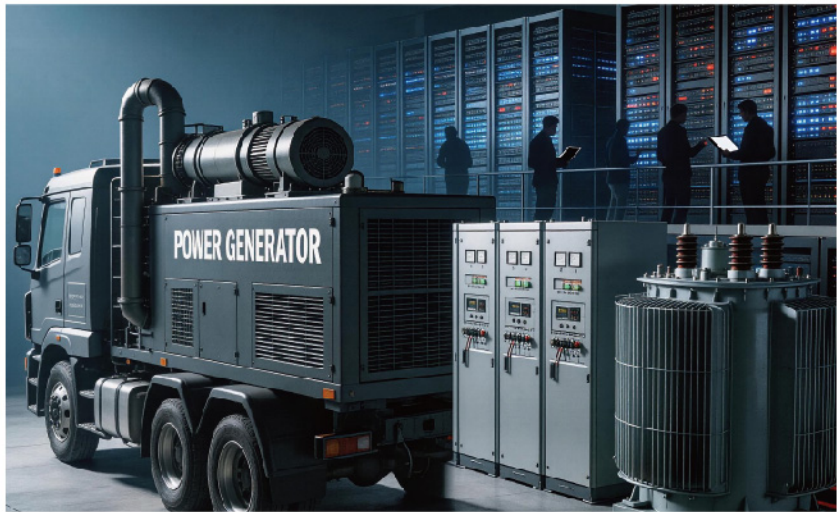
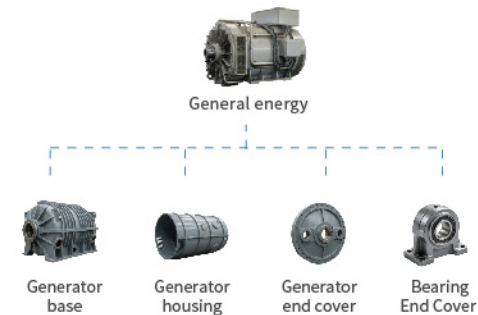
Key Components - Wind Power



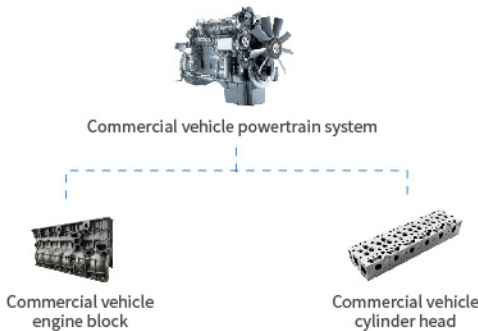
Key Components - Oil & Petrochemical



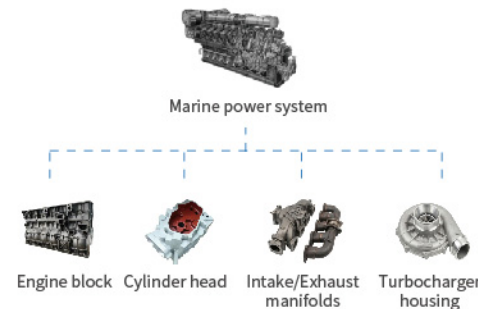
Key Components - General Industrial Energy



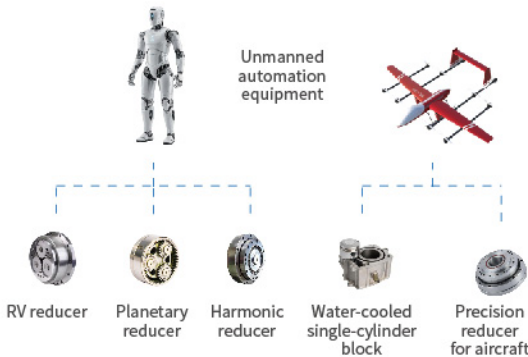
Key Components - Commercial Vehicles



Key Components - New Energy Marine



Key Components - Robots and UAVs



Intelligence - High-end Equipment and Systems

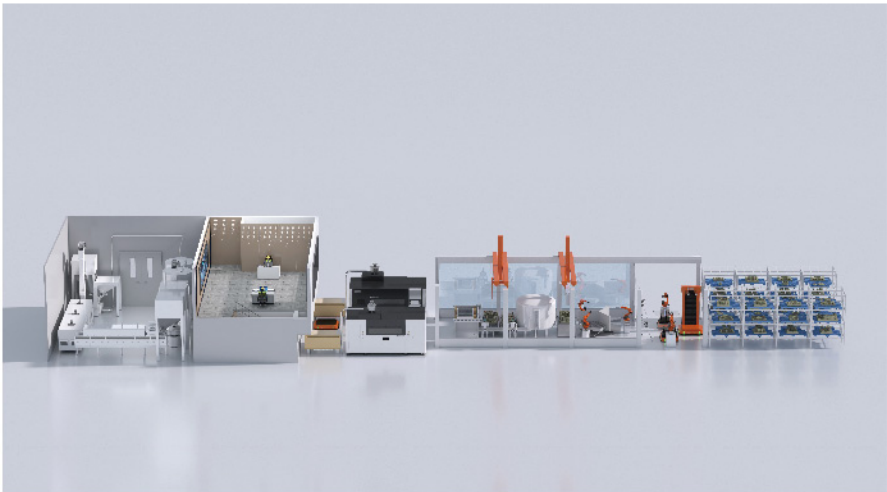


Additive Manufacturing Equipment

- Sand 3D Printer KSS1800B**
- High precision
 - Compact size
 - High efficiency
- Ceramic 3D Printer KS301C**
- High material adaptability
 - High precision
 - Excellent product performance
- Metal 3D Printer KSJ280A**
- Compact and efficient structure
 - Precise and reliable printing
 - Wide range of applicable materials

Intelligent Unmanned 3D Printed Sand Mold Manufacturing System

- Advanced flexible manufacturing
- Full-process automation
- Intelligent IoT integration
- Green moldless manufacturing
- One-stop service system
- Sustainable industrial capability

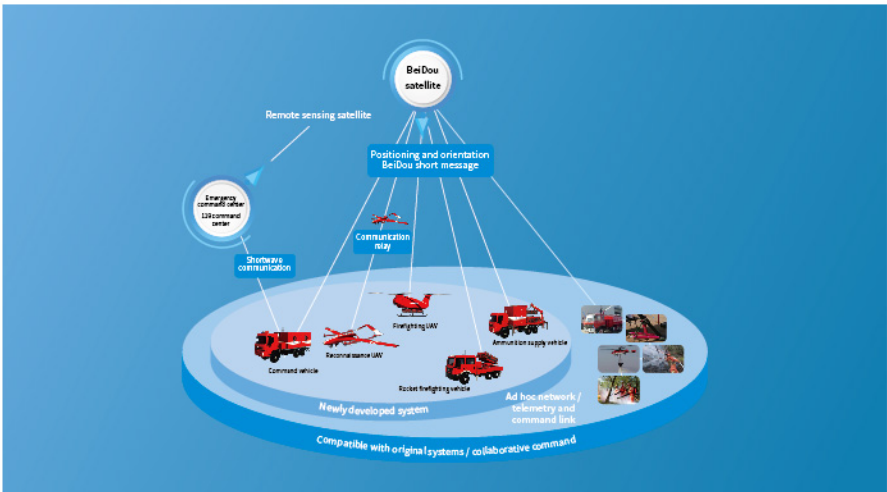


- ## Ground Equipment
- Integrated supply vehicle
 - Intelligent command vehicle
 - Cluster rocket fire truck

- ## Aerial Equipment
- Reconnaissance UAV
 - Firefighting UAV

Space-Air-Ground Integrated Forest and Grassland Fire Prevention and Extinguishing Equipment System

- Space-air-ground integrated architecture
- Multi-mode communication to cover blind zones
- Intelligent early warning and decision-making
- Efficient cooperative firefighting equipment
- Open compatibility and rapid response

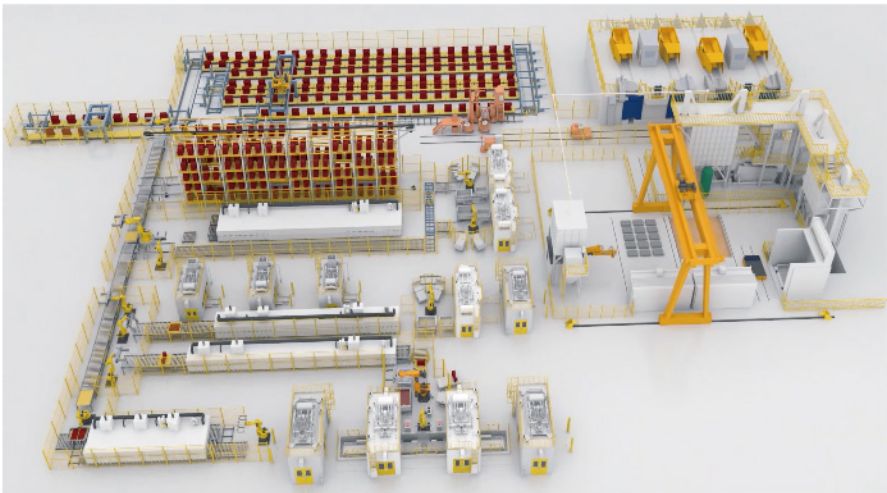


- ## UAV
- Vertical take-off and landing (VTOL), long endurance, long range, and strong environmental adaptability
 - Ultra-light carbon fiber and other composite materials, with a structure supporting rapid assembly and disassembly
 - Widely used in scenarios such as remote sensing and mapping, forest fire prevention, and emergency communication

- ## Automated Guided Vehicle
- High-efficiency vertical lifting
 - Lightweight design and map protection
 - All-round safety protection
 - High positioning accuracy
 - Diversified application scenarios such as warehousing and automotive industries

Intelligent Manufacturing Digital Production Line

- Through our independently built ferrous metal production base, we have accumulated rich experience in systematic and digital construction
- The production line design adopts advanced digital simulation technology, enabling precise planning of every production stage
- We apply intelligent management systems to achieve efficient monitoring and optimization of production processes



Global Services

Excellent Service Team

- We have an experienced and highly skilled after-sales service team capable of efficiently diagnosing and resolving issues with various equipment, molds, and castings.
- We provide rapid-response after-sales services to ensure that equipment failures, mold issues, or casting defects are addressed and resolved promptly.
- We offer convenient maintenance services, including regular inspections, preventive maintenance, and emergency repairs.
- We provide continuous technical support and training to help customers better operate and maintain equipment, molds, and castings.
- We provide personalized after-sales service solutions tailored to specific customer needs, including customized casting and mold modification services.



500+ Partners

Present and Future

Kangshuo AI Agents

- Achieve autonomous production line scheduling and closed-loop process evolution; Industrial Large Models (ILM) integrate expert knowledge to drive simulation optimization, while edge AI (such as SLM) ensures real-time response.
- Combining digital twin virtual-real closed loops with generative design, it empowers the entire "perception-decision-execution" chain of automated production lines with intelligence, achieving zero-defect, high-efficiency automatic control and driving the manufacturing industry toward autonomous and green transformation.
- Intelligently upgrading additive manufacturing, AI algorithms precisely control 3D printing process parameters, promoting rapid prototyping and quality optimization of complex components.

ESG Sustainable Development

- **Moldless green manufacturing:** Replacing traditional wooden mold production with sand 3D printing technology, reducing wood consumption at the source and protecting forest resources.
- **High-efficiency energy-saving system:** Promoting the construction of high-efficiency and energy-saving intelligent manufacturing systems, fully practicing ESG principles.
- **Carbon reduction and emission mitigation:** Reducing solid waste emissions and repetitive processing steps, effectively lowering the corporate carbon footprint and achieving green manufacturing.



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Official Account



Form Completion



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