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HSKC 宁波豪顺科创机械制造有限公司
NINGBO HOWSHUN INNOVATED MANUFACTURE CO., LTD

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HSKC

高品质金属零部件一站式解决方案提供商
One-stop solution provider for high quality metal components

豪顺科创机械产品手册
HOWSHUN PRODUCT MANUAL

宁波豪顺科创机械制造有限公司
NINGBO HOWSHUN INNOVATED MANUFACTURE CO., LTD

公司简介

Company Profile

宁波豪顺科创机械制造有限公司创立于2004年，历经20年的发展，已成长是一家集异形件、结构件精壳铸造、熔模铸造、大型锻件、CNC精密加工、泵阀设计及组装为一体的一站式配套服务提供商。豪顺专注于机械零部件的高效生产，致力于成为铸造、锻造、精密加工及泵阀等领域的优质供应商。“豪顺”始终秉持为客户提供更具竞争力的制造解决方案，为员工提供实现人生价值的广阔平台。

事业分布

豪顺集团下设多个专业事业部，覆盖广泛的制造领域：

- 制造中心：宁波豪顺科创机械制造有限公司
- 泵事业部：拉法泵业科技(宁波)有限公司
- 铸造事业部：豪顺北瓯(杭州)金属制品有限公司
- 开发事业部：豪顺欧洲公司(Howshun Sweden AB)

地理优势

公司总部位于中国宁波，这座工业4.0智能制造示范城市毗邻世界货运吞吐量第一大港——宁波港（仅30多公里），距宁波栎社国际机场约20公里，地理位置优越、交通便捷。这一独特区位及先进生产设备为豪顺抢占“中国制造2025”宁波示范的先机提供了有力支持。

技术实力

豪顺拥有一流的铸造、锻造自动化生产线及高端加工设备，包括50多台CNC立式加工中心、卧式加工中心和数控车床，能够确保高效、精密的生产。此外，公司配备了德国光谱分析仪、温泽三坐标测量机、海克斯康三坐标测量机、拉力检测机、金相显微镜、超声波检测仪、X光射线检测机等高精度检测设备，满足客户在材料理化性能、无损检测和几何精度方面的综合需求。

全球客户

豪顺的产品和服务已覆盖全球，涉及工程机械、运输、矿山、铁路、泵阀、建筑等多个行业。凭借雄厚的技术实力和卓越的服务理念，豪顺正持续为客户创造更高的经济效益，为全球制造业提供优质的供应链支持。

Ningbo Howshun Innovated Manufacture Co., Ltd was founded in 2004, and has developed over 20 years into a comprehensive, one-stop solution provider. Howshun specializes in custom parts, structural precision shell casting, large-scale forging, CNC precision machining, and pump valve design and assembly. Howshun focuses on the efficient production of mechanical components and is dedicated to becoming a premium supplier in the fields of casting, forging, precision machining, as well as pump and valve manufacturing. Howshun is committed to providing competitive manufacturing solutions for clients and offering a broad platform for employees to achieve their personal and professional goals.

Business Divisions

Howshun Group comprises multiple specialized divisions covering diverse manufacturing sectors:

- Manufacturing Center: Ningbo Howshun Innovated Manufacture Co., Ltd.
- Pump Division: Lafa Pump Technology (Ningbo) Co., Ltd.
- Foundry Division: Howshun Beiou (Hangzhou) Metal Products Co., Ltd.
- Development Division: Howshun Europe (Howshun Sweden AB)

Geographical Advantage

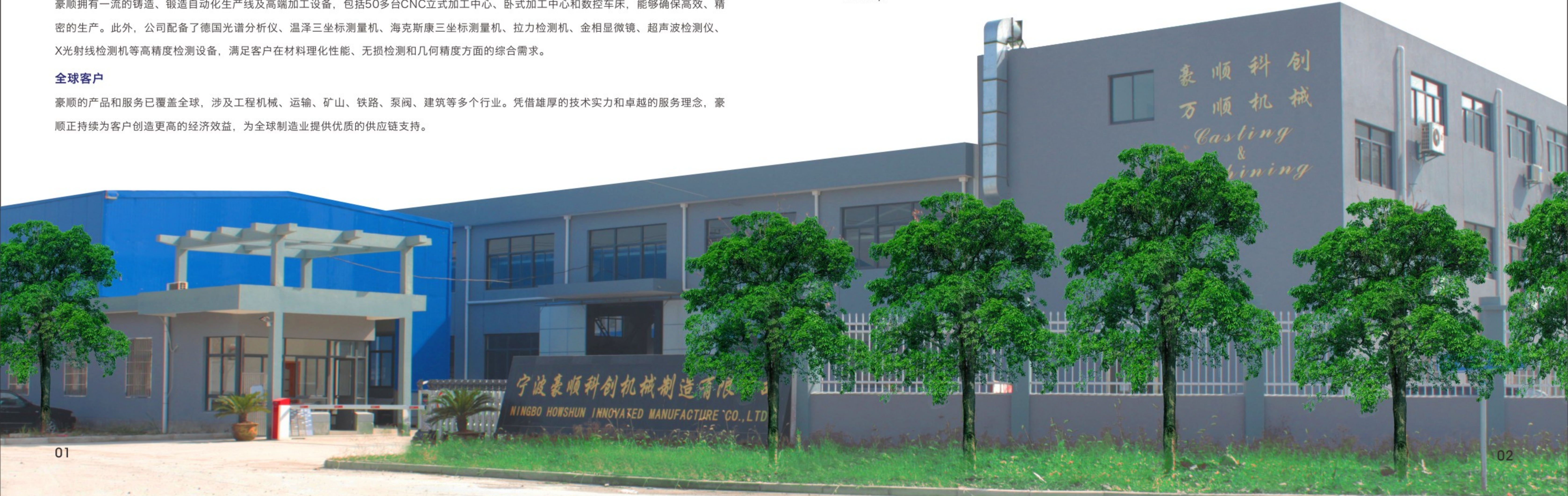
Headquartered in Ningbo, China, a showcase city for Industry 4.0 intelligent manufacturing, Howshun is located just over 30 kilometers from Ningbo Port, the world’s largest port by cargo throughput, and around 20 kilometers from Ningbo Lishe International Airport. This strategic location, combined with advanced production facilities, supports Howshun to lead the “Made in China 2025” initiative and leverage the advantages of the Ningbo demonstration.

Equipment Strength

Howshun is equipped with advanced automated casting and forging production lines, along with over 50 CNC machining centers and CNC lathes, ensuring efficient and precise production. The company also utilizes high-precision inspection equipment, including German spectrometer, Wenzel and Hexagon CMMs, tensile tester, metallographic microscope, ultrasonic detector, and X-ray inspection machine, meeting clients' demands for comprehensive physical, chemical, non-destructive, and geometric precision testing.

Global Clients

Howshun’s products and services are delivered globally, covering a variety of industries such as construction machinery, transportation, mining, railway, pumps and valves. With robust technical capabilities and a commitment to exceptional service, Howshun continuously creates added value for clients and provides premium supply chain support to the global manufacturing industry.



PRECISION LOST-FORM CASTING PROCESS

精壳工艺铸造流程展示



制壳、涂层
Shell Making/Ceramic-coating



焙烧模壳 Shell Roasting



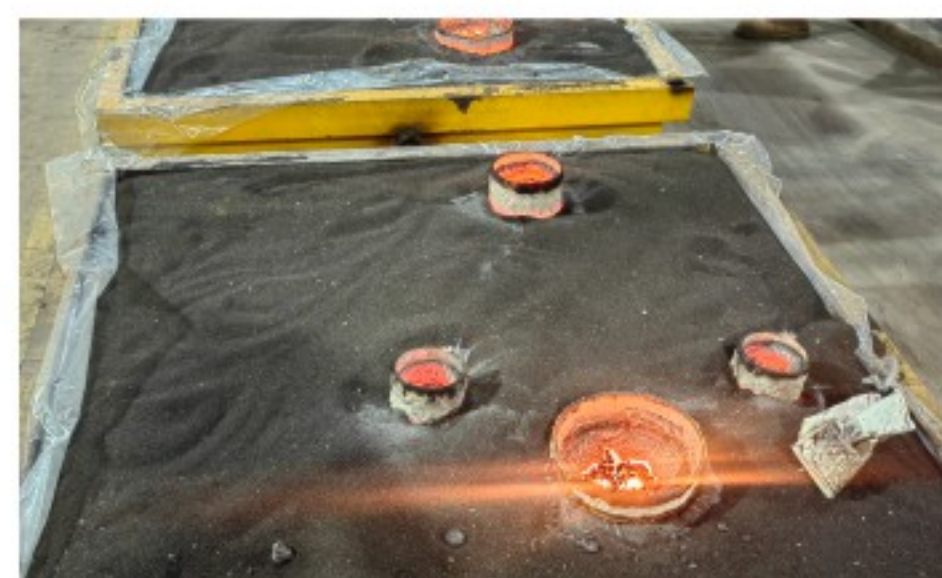
熔炼 Smelting



埋沙 Mold Filling



浇注 Pouring



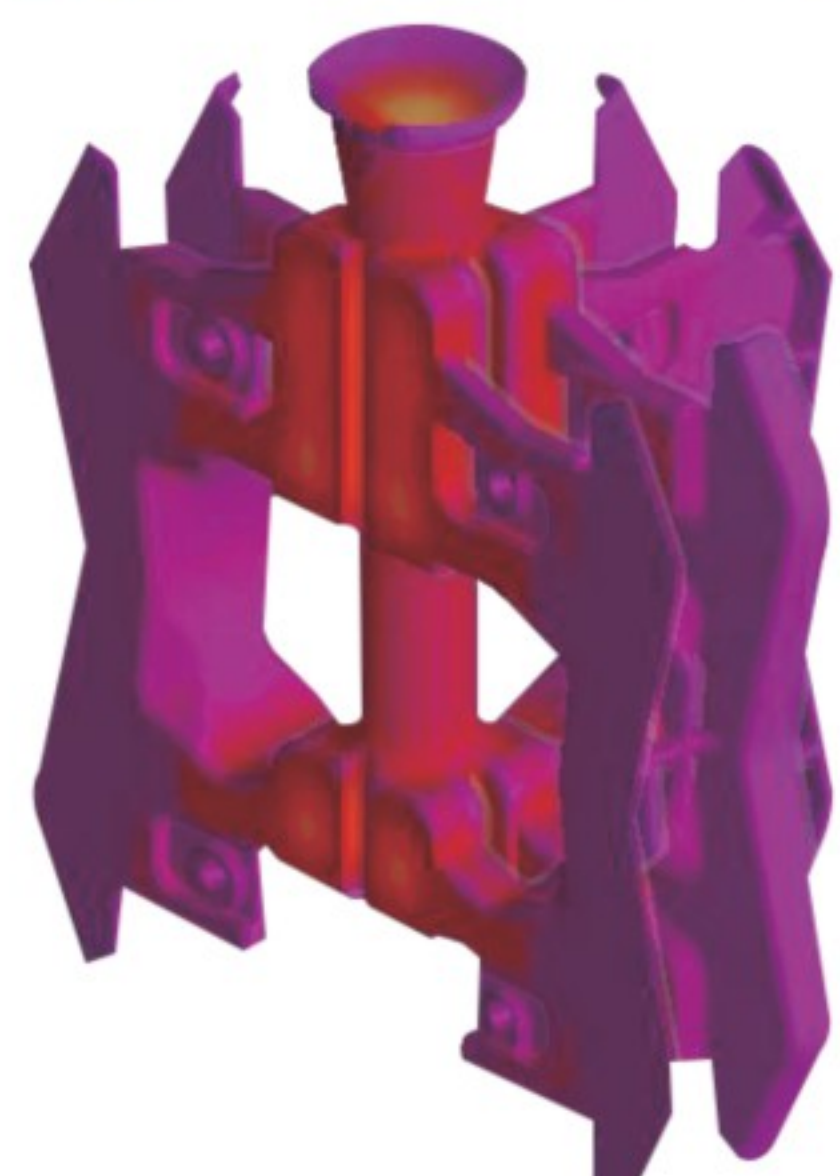
保温 Thermal Retardation



成品
Finished Product



抛丸
Shot Blasting



模拟铸造
NOVACAST

HEAT TREATMENT

热处理

设备：自动网带炉、自动井式炉、自动箱式炉

Equipment: Automatic Mesh Belt Furnace, Automatic Pit Furnace, Automatic Chamber Furnaces



CERTIFICATION

资质证书

质量认证证书
 Quality Certification



环境认证证书
 Environmental Certification



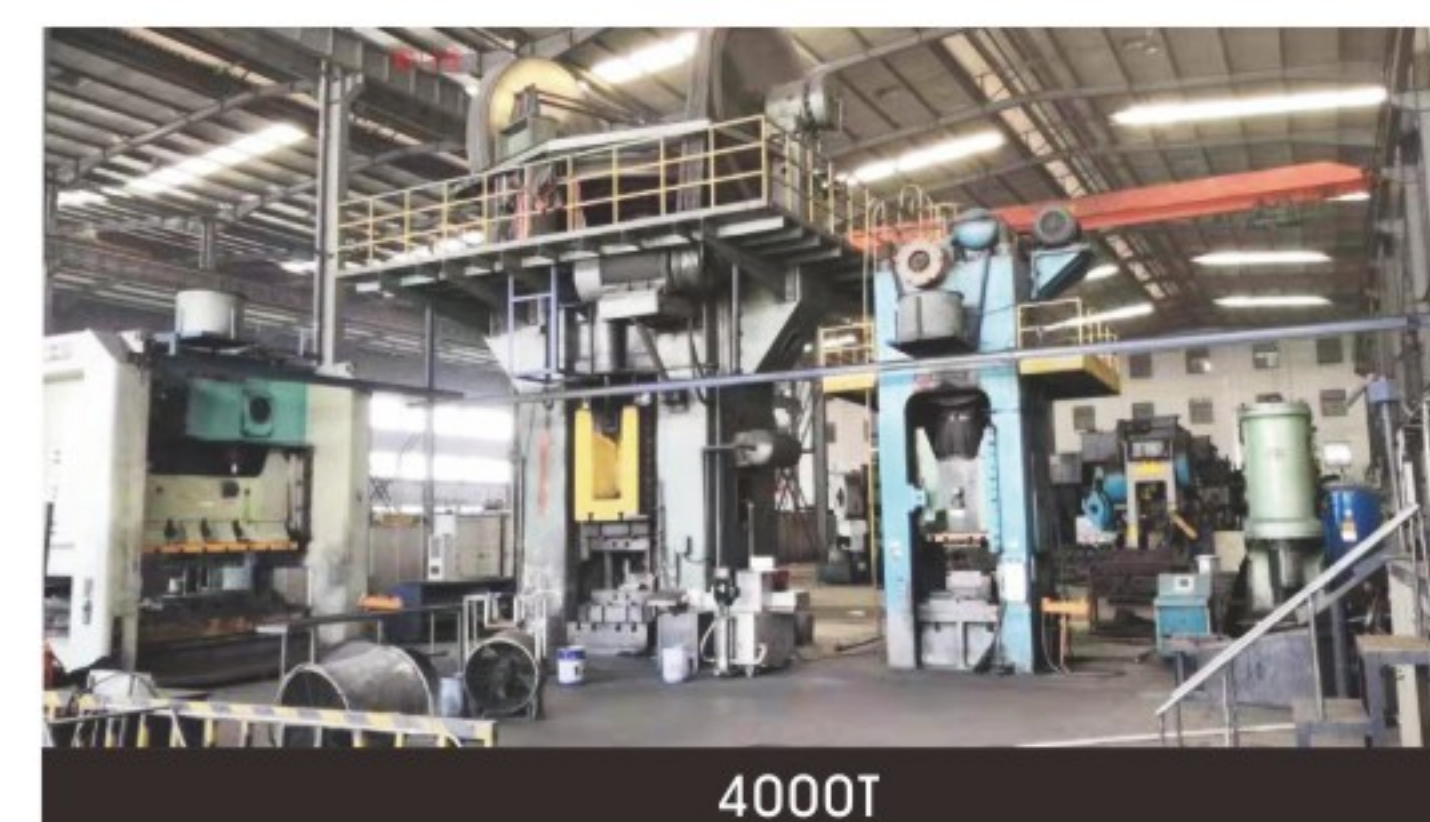
PRECISION-INVESTMENT CASTING

熔模精密铸造



FORGING

锻造



4000T



2500T



630T



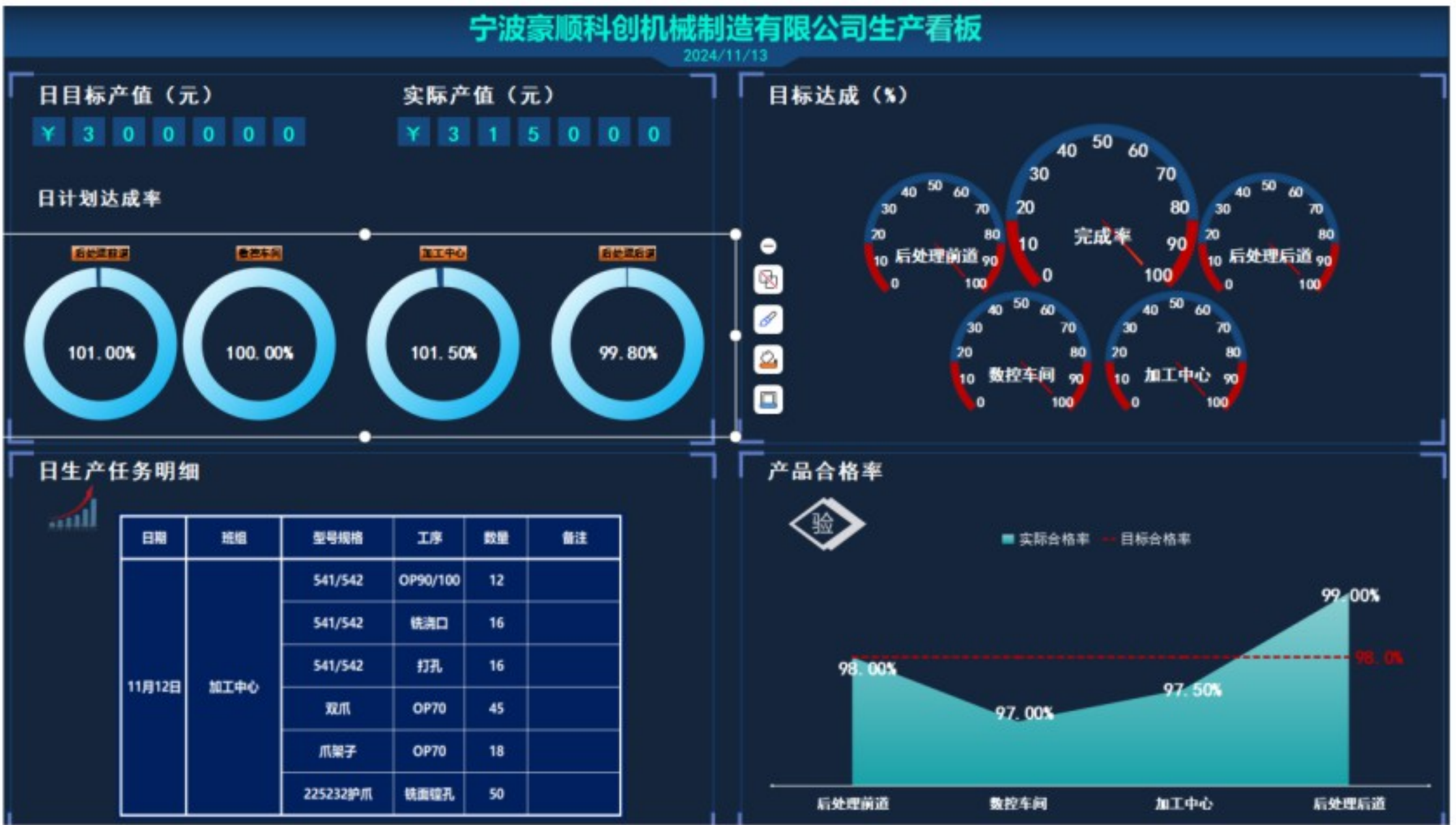
1600T

MACHINING WORKSHOP DISPLAY

加工车间展示

机加工车间配备了50余台先进的CNC加工中心数控设备，其中包括10余台卧式双工作台加工中心，确保了高效、精准的加工能力。通过引入生产管理系统软件，我们实现了对生产过程的实时监控，全面提升了生产精度和产品质量。

The machining workshop is equipped with over 50 advanced CNC machining centers, including more than 10 horizontal dual-table machining centers, ensuring efficient and precise machining capabilities. By implementing production management system software, we have achieved real-time monitoring of the production process, significantly enhancing production accuracy and product quality.



Machining Equipment 加工设备清单

主要加工设备 Main Equipment of Machining						
名称	Name	型号 Model	数量 Qty	生产商 Manufacturer	精度 Precision	工作台 Bed dimension
落地镗铣床	Floor Boring and Milling Machine	110R13	1	TOSHIBA日本东芝	0.005-0.015	1250*1120
卧式加工中心	HMC	MAR630H	5	BEIYI 北一大隈	0.01	630*630
卧式加工中心	HMC	HM8000	1	DOOSAN 韩国斗山	0.01	800*800
卧式加工中心	HMC	MCB1210	1	MAKINO日本牧野	0.005-0.01	400*400
卧式加工中心	HMC	500	2	MAZAK	0.01	500*500
卧式加工中心	HMC	MC-800H	1	OKUMA	0.005-0.01	800*800
立式加工中心	VMC	VMC-1600HD	4	JOHNFORD台湾乔福	0.012	1800*750
立式加工中心	VMC	VMC	1	TOSHIBA日本东芝	0.005-0.01	2000*850
立式加工中心	VMC	MCV820	1	OKK 日本	0.01	2000*800
立式加工中心	VMC	MX-55VB	3	OKUMA	0.005-0.01	1300*600
立式加工中心	VMC	MX-56VB	3	OKUMA	0.005-0.01	1300*600
立式加工中心	VMC	MXR-560V	1	BEIYI 北一大隈	0.005-0.01	1050*560
立式加工中心	VMC	YBM-640V	1	YASDA日本雅思达	0.005	600*500
数控车床	CNC	260	2	YOUJIA友佳	0.01	Φ200
数控车床	CNC	CAK6150B	2	SHENYANG 沈阳机床	0.01	Φ500*1900
数控车床	CNC	SL50	1	NANTONG南通	0.007/0.01	Φ500*1000
数控车床	CNC	ST-40B	1	JOHNFORD台湾乔福	0.01	Φ800*1000
数控车床	CNC	ECG2040	1	SHENYANG 沈阳机床	0.01	2000*4000
数控车床	CNC	HT1890	2	SHENYANG 沈阳机床	0.01	1800*900
数控车床	CNC	NEXUS.200	1	MAZAK	0.005-0.01	Φ800*2000
数控车床	CNC	NEXUS.300	2	MAZAK	0.005-0.01	Φ800*2000
数控车床	CNC	NEXUS.350M	1	MAZAK	0.005-0.01	Φ800*1500

EQUIPMENT DISPLAY

检测设备展示

通过智能化的管理与高精度设备的结合，我们为客户提供更加优质、快速的产品。我们的生产车间不仅具备领先的技术水平，还通过智慧化的生产方式，使得公司在市场中的竞争力持续攀升。

Integrating intelligent management with high-precision equipment offers our clients superior and faster products. Our workshop features advanced technology and employs smart production methods, continuously boosting the company's competitiveness in the market.



光谱仪/Spectrograph



CMM 三坐标/CMM three coordinates

List Of Main Test Equipment 主要检测设备清单

主要检测设备List Of Main Test Equipment				
名称	Name	型号 Model	生产商 Manufacturer	精度 Precision
微机液压万能试验机	Microcomputer Hydraulic Universal Testing Machine	WEW-600	Tengda 腾达	Degree of accuracy 0.3
CMM 三坐标	Cmm Three Coordinates	X08-15-7(1500*800*700)	WENZEL温泽	Detection error 0.4um
CMM 三坐标	Cmm Three Coordinates		HEXAGON海克斯康	Detection error0.4um
光谱仪	Spectrograph	SPECTR0TESTTXC03	德国SPECTRO	u=0.0003~0.0012(k=2)
金相显微镜	Metallographic Microscope	4XC	SHUIHUI	
布氏硬度计	Brinell Hardness Tester	HB-300	HUAYIN	evenness degree 0.9~2.4%
洛氏硬度计	Rockwell Hardness Tester	HB-150A	HUAYIN	0.3~1.0HR
里氏硬度计	Leeb Hardness Tester	HB-150A	SHIDAI	0.3~1.0HR
粗糙度仪	Surface Roughness Tester	SRT-A(F)	LIANSHENG	0.01um
UT检测仪	UT Ultrasonic	USM350X	USA	
磁粉探伤机	Magnetic Particle Testing Machine	YGS~5000	SHEYANG	
多功能激光手持三维扫描仪	Multi-Functional Handheld Laser 3D Scanner	FreeScan UE Pro	先临三维 SHINING 3D	0.02mm



SMALL CONSTRUCTION MACHINERY

小型工程机械



升降臂 Lift Arm



升降臂 Lift Arm
 3D Scan



PORT MACHINERY

港口机械



支撑吊耳 Supporting Lug



转向节 Steering Knuckle



轮毂 Wheel Hub



支撑座 Supporting Bracket



AERIAL WORK PLATFORM
高空作业平台

Boom Lifts
臂式升降机



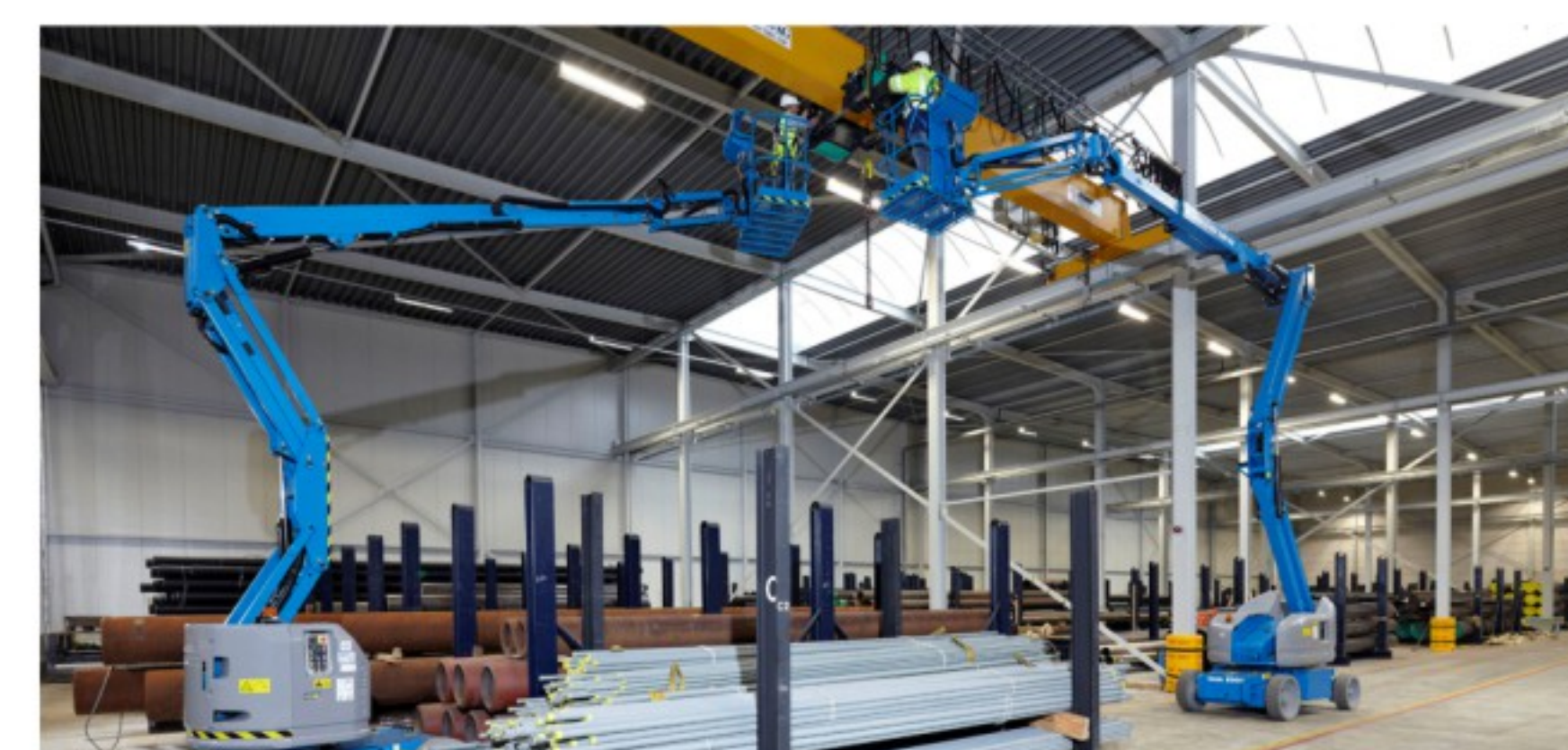
转向节 Steering Knuckle



转向节 Steering Knuckle

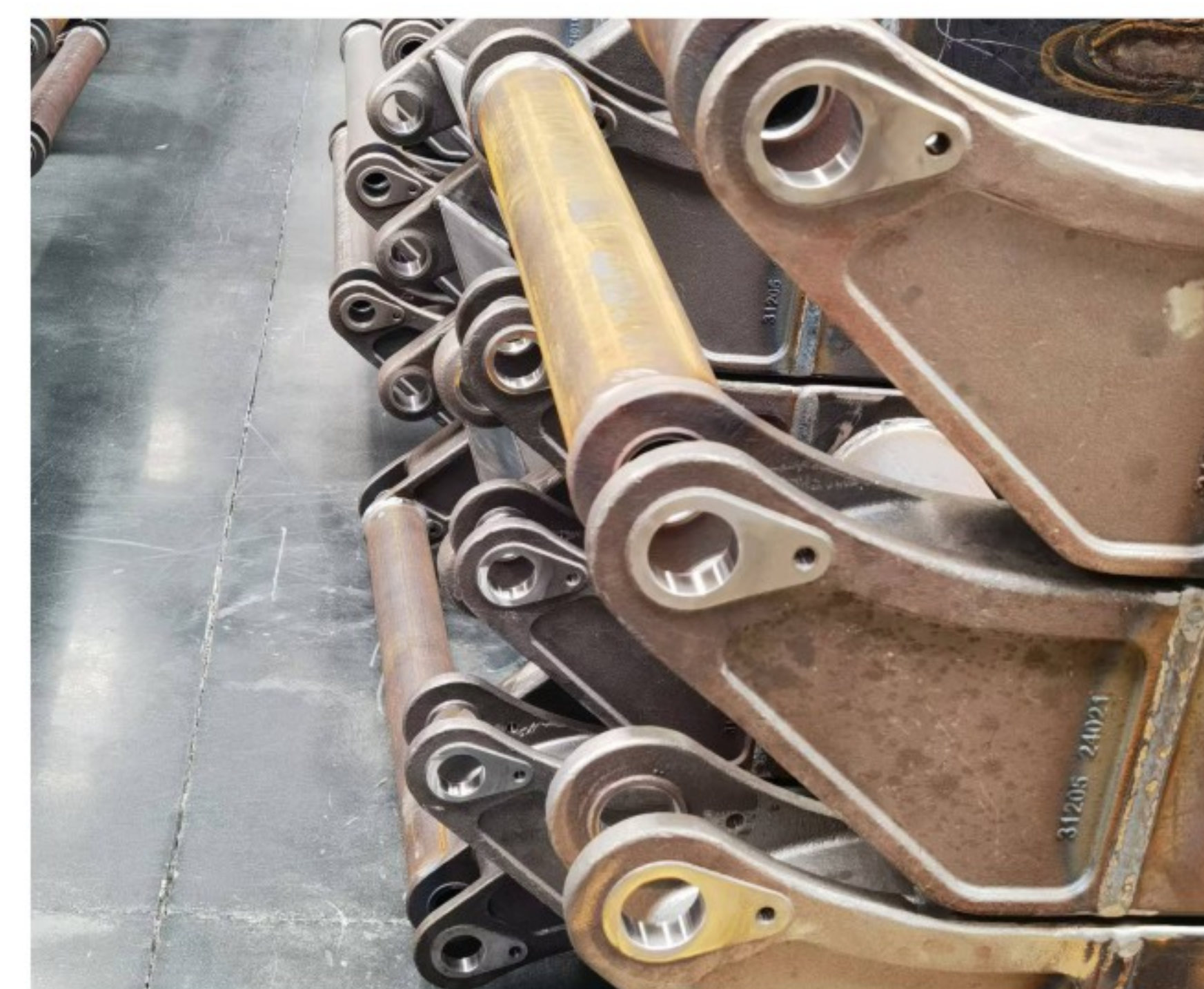


转向节 Steering Knuckle



转向支架 Steering Bracket

Scissor Lifts
剪叉式升降机



单耳叉 Single Ear Bracket



双耳叉 Double Ear Bracket



AGRICULTURAL MACHINERY 农用机械



摆臂 Swing Arm



犁尖 Plow Point



犁 Plow



EXCAVATOR ATTACHMENT 挖机属具



抓具连接器 Grab Coupler



楔形连接器 Wedge Coupler



快换底座 Quick Coupler Base

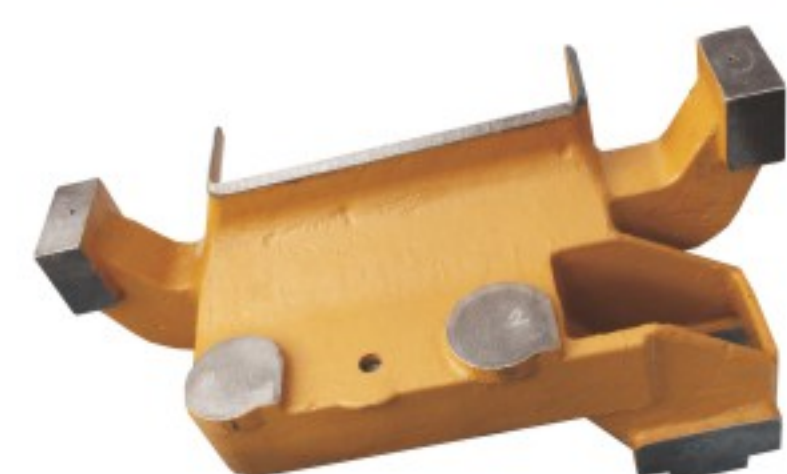


金属抓具 Metal Grab



HIGH SPEED TRAIN PRODUCT SERIES

高速列车产品系列



172KG



158KG



146KG



126KG



260KG



66KG



MINING MACHINERY SERIES

矿山机械系列



STRUCTURAL PARTS SERIES

结构件系列

豪顺科创机械有限公司可以专业定制1KG-500KG的铸件及加工
 Howshun can professionally customize castings and machining from 1KG to 500KG



8KG



12KG



15KG



16KG



18KG



22KG



26KG



30KG



30KG



38KG



42KG



46KG



50KG



60KG



86KG



116KG



122KG



160KG



166KG



230KG



240KG



OUR PARTNERS

部分合作客户



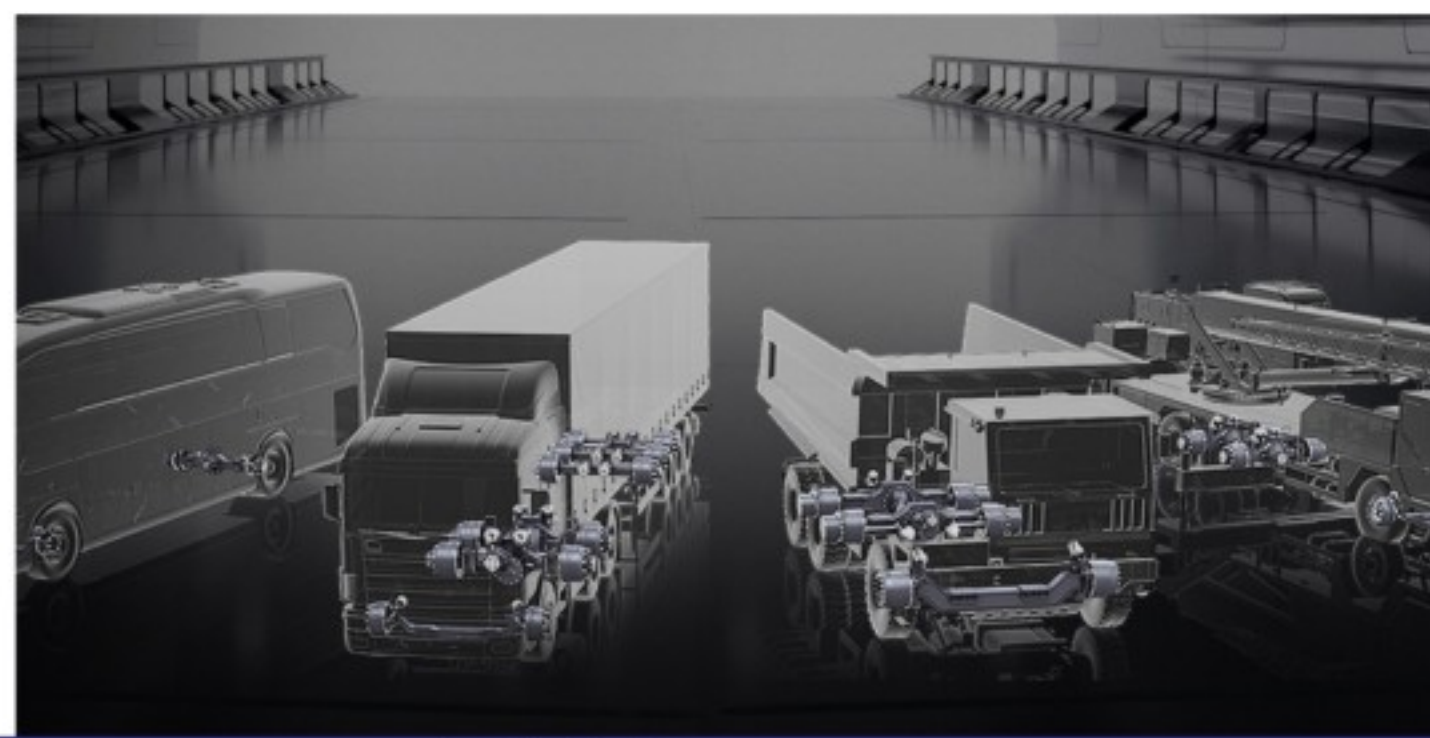
Bobcat



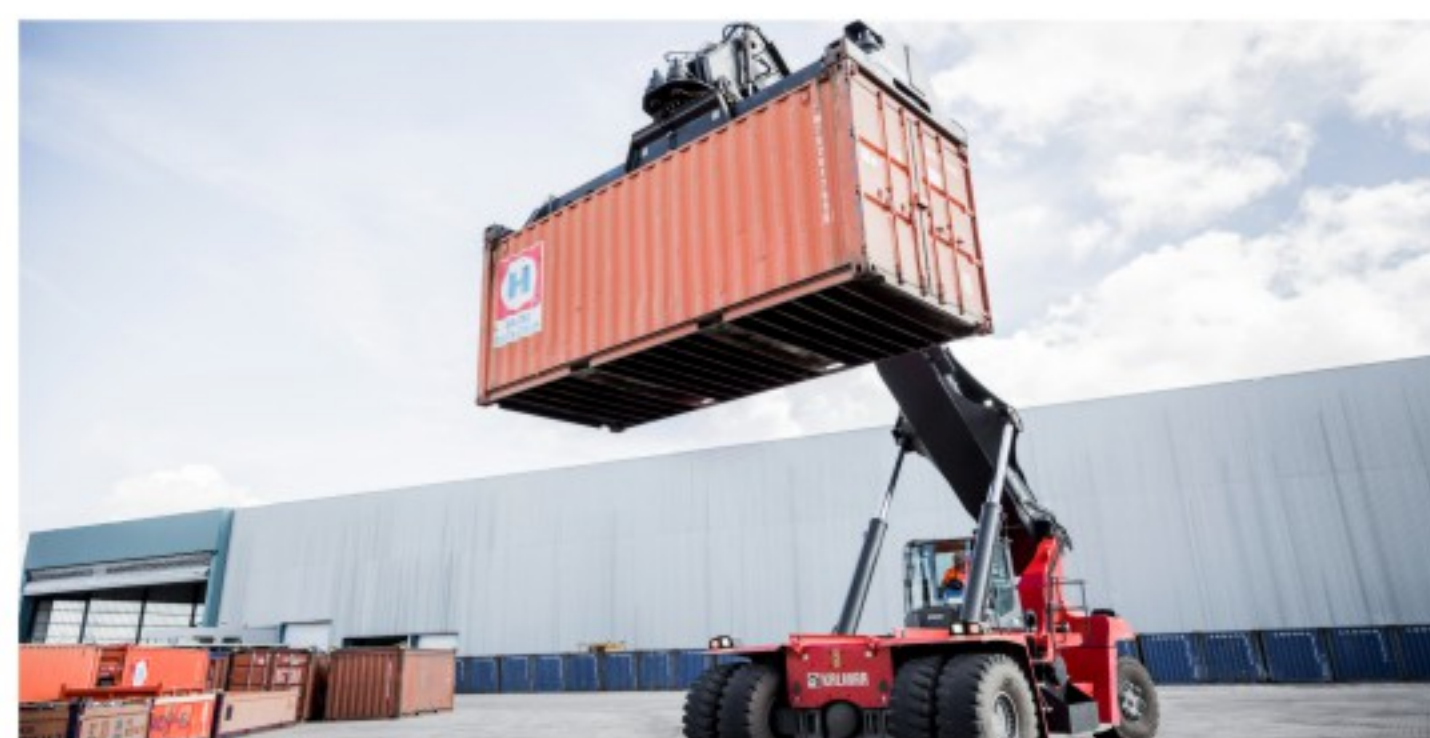
鼎力 DINGLI



CAT



汉德车桥 HANDE AXLE



Cargotec



Vaderstad

ABOUT US 关于豪顺

■ **企业使命：**用稳定品质及一流标准高效率交付产品，为推动世界智能机械装备发展而不懈努力。

Mission: Deliver products with consistent quality and first-class standards efficiently, promoting the intelligent machinery industry worldwide with unrelenting dedication.

■ **企业宗旨：**聚焦高端机械零部件制造，努力实现客户、员工与企业共赢

Purpose: Focus on the manufacturing of high-end mechanical components and strive for mutual success with our clients and employees.

■ **企业定位：**高品质金属零部件一站式解决方案提供商

Positioning: One-stop solution provider for high quality metal components.

HSKC

■ **企业愿景：**努力成为铸造、锻造和精密加工领域的标杆企业，通过创新、卓越的品质和高效服务，助力全球制造业的繁荣与可持续发展。

Vision: Strive to become a benchmark enterprise in the fields of casting, forging, and precision machining, contributing to the prosperity and sustainable development of global manufacturing through innovation, superior quality, and efficient service.

■ **核心价值观：**责任 效果 专业 卓越

Core Values: Responsibility, Effectively, Professionalism, Excellence

责任(社会层面): 让智能机械装备给人类带来更便捷更环保的工具。

Responsibility (social level): To bring people more convenient and eco-friendly tools through intelligent machinery and equipment.

效果(客户层面): 让我们的客户安全满意信任。

Effectively (customer level): To ensure our customers' safety, satisfaction, and trust.

专业(员工层面): 成为自己岗位最好的专家。

Professionalism (employee level): To become the best expert in one's position.

卓越(公司层面): 勤学实干提升专业，协调发展共享未来。

Excellence (company level): To enhance professionalism through hard work, achieving coordinated development and a shared future.