

旭欧匠“芯” 由内而外尽显工业之美

Xiuou Craftsman - "Core" Technology Showcasing Industrial Beauty from the Inside and Outside



广东旭欧液压科技有限公司
东莞市旭欧精密五金制品有限公司

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液压零部件
Hydraulic components

比例电磁阀
Proportional solenoid valve

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用良心 做良芯
With Conscience, We Craft Quality Cores.

COMPANY PROFILE

公司简介

广东旭欧液压科技有限公司成立于2013年，坐落于中国广东省东莞市——重要的制造业基地。公司拥有占地12,000平方米的现代化厂房，现有员工120余人。其前身为东莞旭欧精密五金制品有限公司，现已发展成为一家专业从事液压比例电磁阀和螺纹插装阀研发、生产与销售的企业。

公司产品主要包括五大核心系列：恒功率阀/电液比例功率阀、主泵电磁阀、工程机械电磁阀、比例电磁阀及螺纹插装阀。这些产品广泛应用于工程机械、农业装备、工业自动化等领域。

公司拥有一支技术精湛、经验丰富的研发与制造团队，严格执行IATF16949质量管理体系。依托完善的质量管理架构和专业的质量控制团队，广东旭欧液压秉承追求卓越的专业理念，致力于为客户提供精准、稳定、可靠的液压产品。我们以卓越的品质和持久的耐用性赢得了广大客户的一致好评。

我们诚挚欢迎国内外客户莅临参观考察，携手探索合作机遇，共创双赢未来。

Guangdong Xuou Hydraulic Technology Co., Ltd. is located in Dongguan, a major manufacturing factory in Guangdong Province, China since 2013. The company operates from a modern factory spanning 12,000 square meters and currently employs over 120 staff members. The company originated from its predecessor, Dongguan Xuou Precision Hardware Products Co., Ltd., and has since evolved into a professional manufacturer specializing in the research, development, production, and sales of hydraulic proportional solenoid valves and threaded cartridge valves.

Its product range currently comprises five core series: constant power valves / electro-hydraulic power valves, main pump solenoid valves, construction machinery solenoid valves, proportional solenoid valves, and threaded cartridge valves. These products are widely applied in fields such as construction machinery, agricultural equipment, industry automation, etc.

The company boasts a highly skilled and experienced R&D and manufacturing team, operating in strict compliance with the IATF16949 quality management system. Supported by a robust quality management framework and a dedicated quality control team, Guangdong Xuou Hydraulic adheres to a professional business philosophy of pursuing excellence. The company is committed to providing customers with precise, stable, and reliable hydraulic products. Renowned for exceptional quality and durability, our products have garnered unanimous acclaim from our valued clients.

We cordially invite both domestic and international customers to visit our factory. Let us explore opportunities for collaboration and achieve win-win success.



东莞市旭欧精密五金制品有限公司成立于2013年,位于世界制造之都——广东东莞，国家级高新技术企业。公司已通过IATF16949质量管理体系认证，拥有国内外高端先进的CNC车床、数控外圆磨、内圆磨、内孔珩磨、无心磨等生产设备，以及圆柱度仪、一键测量影像仪、粗糙度仪、测长仪等高精度检测设备。致力于高品质、超精密零部件加工、制造与研发，服务于液压行业、医疗器械、汽车、航空航天等精密五金零部件生产加工领域。公司始终坚持以质量为本、以客户为中心，通过不断的技术创新和产品升级，满足市场和客户的需求。我们的目标是成为精密加工行业的领军企业，为全球客户提供优质的产品和服务。

Dongguan Xuou Precision Hardware Products Co., Ltd. was established in 2013 and is located in Dongguan, Guangdong, the world manufacturing capital. It is a national high-tech enterprise. The company has passed the IATF16949 quality management system certification and possesses high-end and advanced production equipment such as CNC lathes, CNC outer circular grinding, inner circular grinding, inner hole honing, and centerless grinding at home and abroad, as well as high-precision testing equipment such as cylindricity meters, one key measurement imaging devices, roughness meters, and length meters. Dedicated to the processing, manufacturing, and research and development of high-quality and ultra precision components, serving the production and processing of high-precision hardware components in the hydraulic industry, medical equipment, automotive, aerospace, and other fields. The company always adheres to the principle of quality first and customer-centric, and meets the needs of the market and customers through continuous technological innovation and product upgrades. Our goal is to become a leading enterprise in the precision machining industry, providing high-quality products and services to global customers.

COMPANY CULTURE

企业文化

品质方针: 追求卓越品质, 超越顾客期望, 全员参与管理, 诚信守时守法。

企业使命: 打造训练有素、锐意进取、精诚团结的顶尖团队, 为客户提供有竞争力的产品, 从而提升企业自身的竞争力。

企业愿景: 成为国内外最具竞争力的液压零件供应商, 并成为实现企业员工理想的平台。

价值观: 产品的品质是企业存在的价值和尊严的体现。

Quality Policy: Pursue excellence in quality, exceed customer expectations, engage all employees in management, and uphold integrity, punctuality, and compliance with the law.

Mission: To build a highly trained, forward-thinking, and united team that delivers competitive products to our clients, thereby enhancing our company's own competitiveness.

Vision: To become the most competitive supplier of hydraulic components in local and global, And become a platform for our employees to achieve their professional aspirations.

Core Values: Product quality reflects the value and dignity of an enterprise.



COMPANY HONOR

企业荣誉



经历多年艰辛与磨砺之后, 在不断创新拓展的过程中, 我们得到了广大用户的认可与社会的回报。

After years of hardships and hardships, in the process of continuous innovation and expansion, we have been recognized by the majority of users and rewarded by the society.

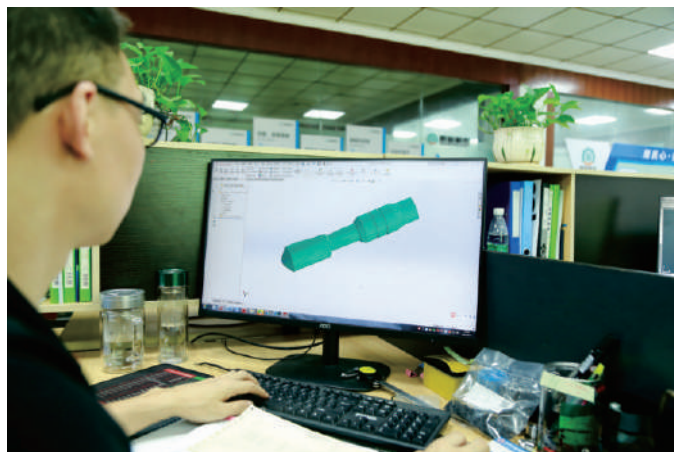


Technology & ENGINEER

研发与工艺

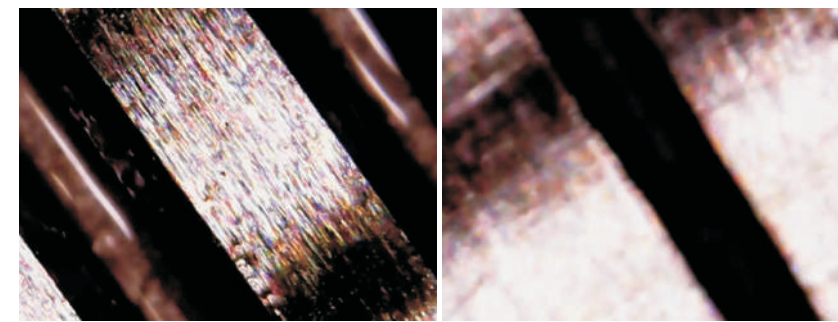
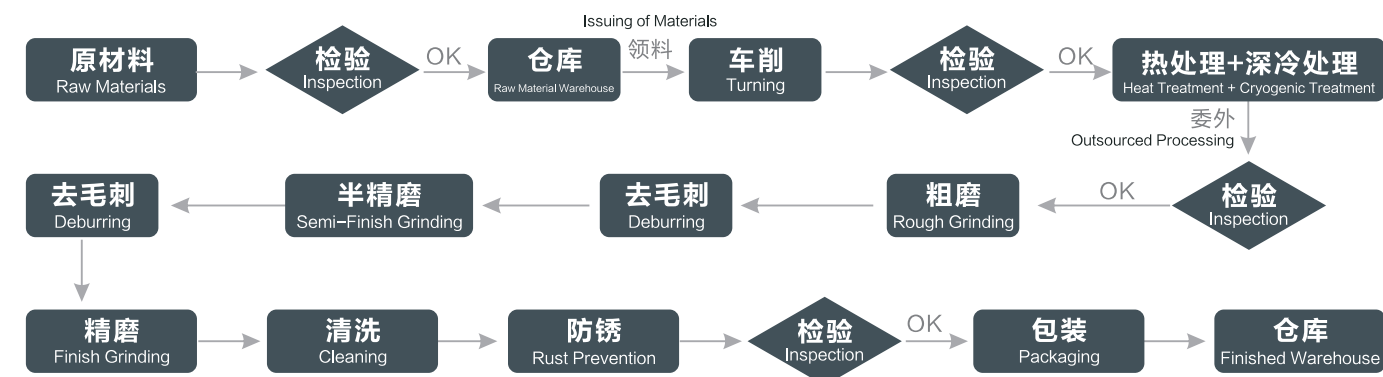
我们从来就不是先进工艺的创造者，我们只是先进工艺的使用者，我们不追求创新，我们只追求将传统的产品做到极致。

We have never been the creators of advanced technology, we are only the users of advanced technology, we do not pursue innovation, we only pursue the excellence quality



FLOW CHART

工艺流程



本公司经过不断的探索与钻研，研究出机械+化学去毛刺工艺，能在保持零件利角的同时有效去除各转角部位以及油沟槽的毛刺。

we use a physical + chemical deburring process, which can maintain the parts of the sharp angle at the same time effectively remove the burrs of the groove

上图为本公司产品，在高倍显微镜下油沟槽清晰无毛刺，右图为传统震动研磨无法有效去油沟位的毛刺。

The above picture is the company's product. The oil groove is clear and free of burrs under a high-power microscope. The picture on the right shows the burr that cannot be effectively removed from the oil groove by traditional vibration grinding.

PRODUCT PROTECTION

产品防护



热处理制程竖直接放，控制热处理后尺寸的变化

为了避免产品碰伤，搬运过程和清洗防锈过程，每个产品都做到防护

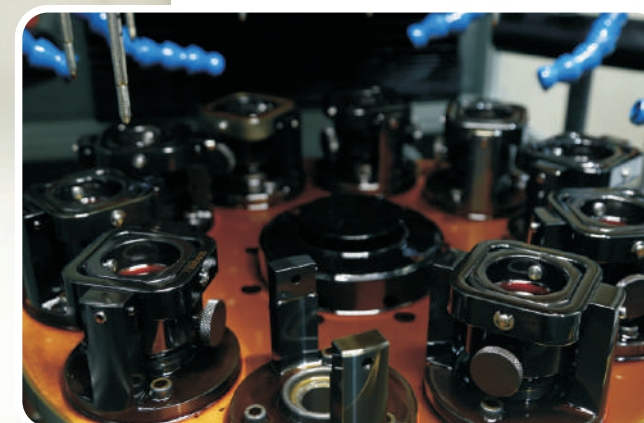
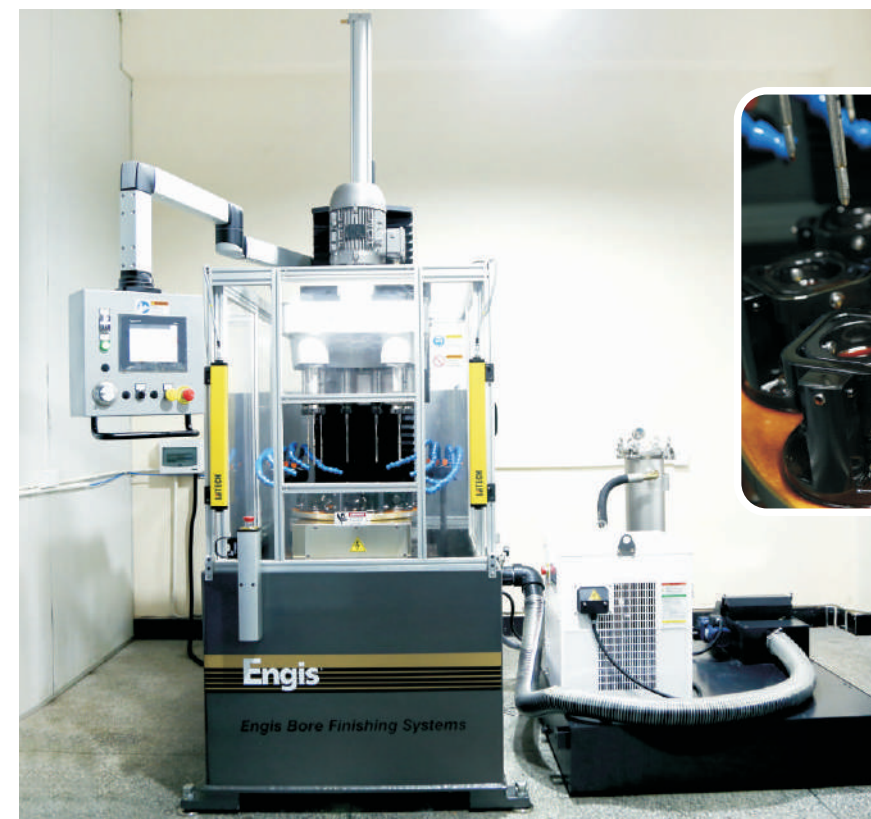
The heat treatment process is placed directly to control the size change after heat treatment. Pay careful attention for the every process, to prevent the collisions of productions

Manufacturing EQUIPMENT

制造设备

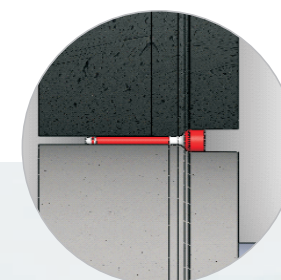
本公司选用市场上最先进的可靠的设备，拥有先进各类数控机床，高精度的内外圆磨床，无心磨床，为达到加工精度提供可靠的保证。

Our company selected the most advanced and reliable equipment with all kinds of advanced CNC machines ,high-precision ID and OD grinder ,centerless grinding machines , in order to achieve precision to provide a reliable guarantee.



英格斯8轴十工位立式珩磨机
Engis 8-axis Bore Finishing Systems

HFC-1808HMNC-77A无心磨床
HFC-1808HMNC-77A Centerless Grinder





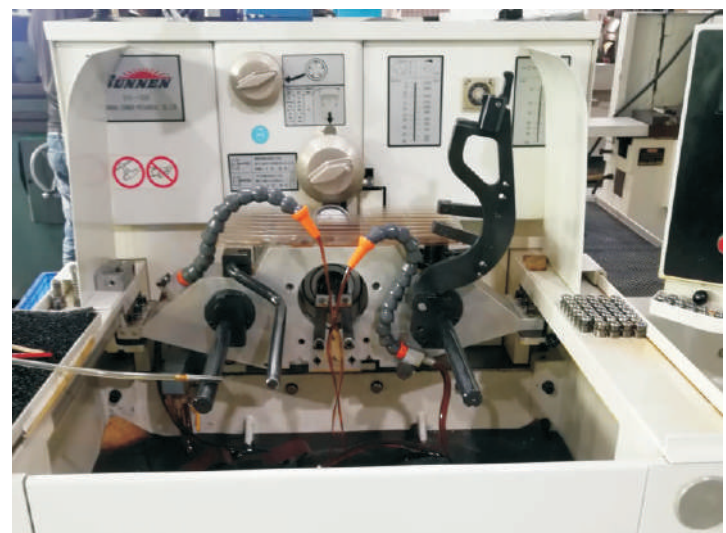
津上G300/G18数控外圆磨
TSUGAMI G300/G18 CNC OD grinding



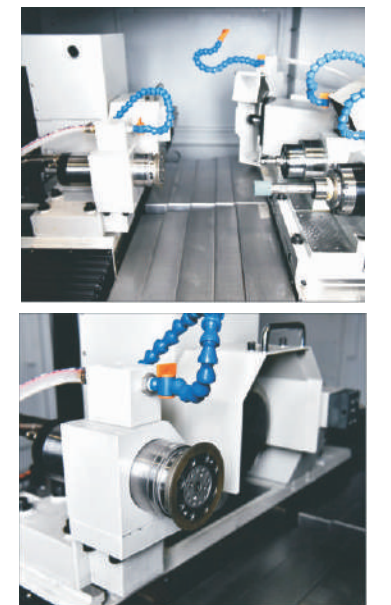
津上S205/206A走心机
TSUGAMI S205/206A CNC Lathe



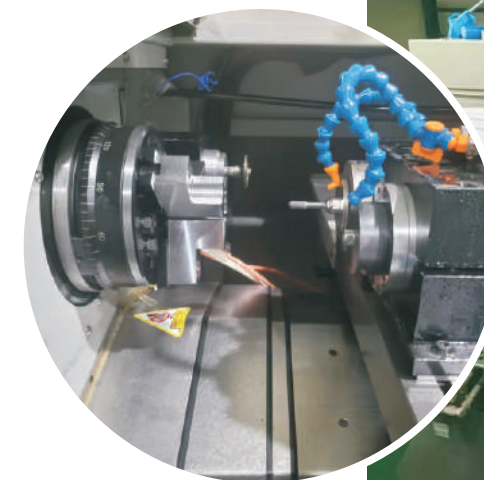
无心磨床
Centerless grinder



善能珩磨机
SUNNEN Honging Machining



长岛精工NH11高精度数控内圆磨床
NAGASHIMA SEIKO NH11 High Precision CNC Internal Grinding Machine

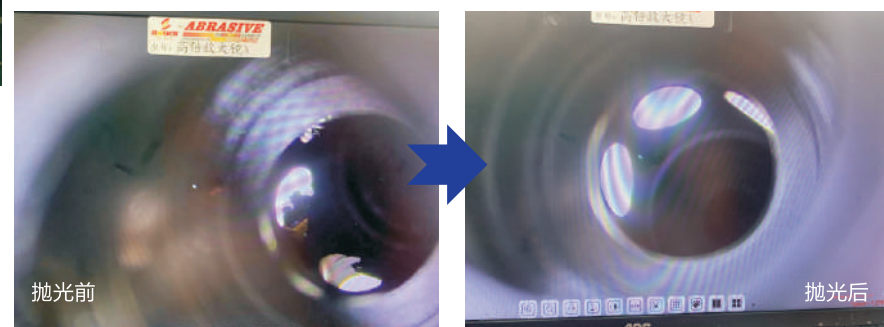


津上C300高精度数控内圆磨床
TSUGAMI C300 High Precision CNC Internal Grinding Machine



磨粒流
Abrasive flow

磨粒流除毛刺
Abrasive flow deburring



双端面/单端面平面磨床
Double end/single end surface grinding machine



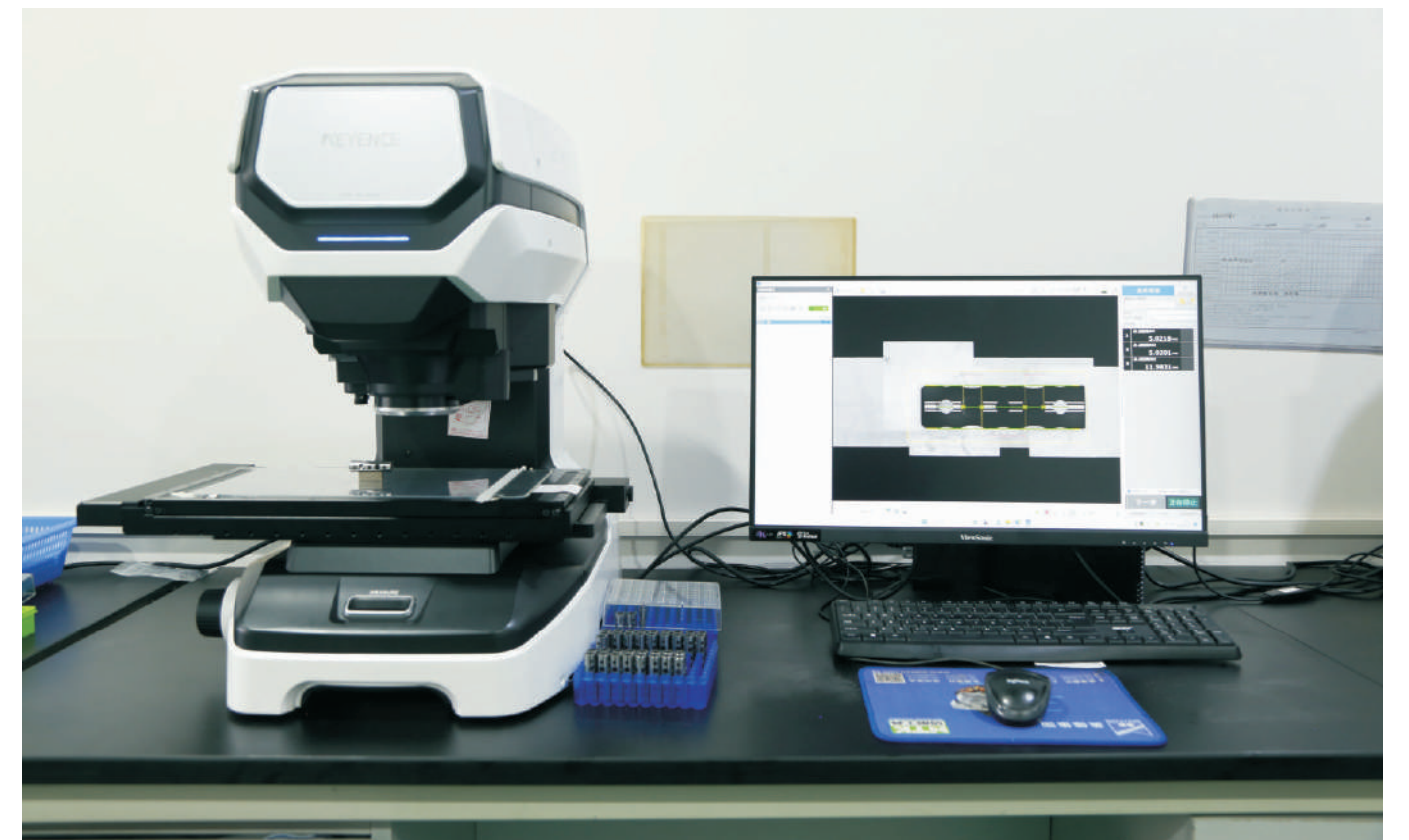
Quality INSPECTION 品质检测

我们不仅把品质看成企业的生命，我们更视品质为做人的尊严。因此，我们除了引进各种先进的检测设备外，把对质量管控贯彻到生产的每一个细节。我们的检测设备有：三坐标圆度仪、表面粗糙度测试仪，二次元，硬度计，气动量仪等。

Not only do we think the quality is corporate's life, also we think that the quality is the dignity of life, therefore, we have so many advanced inspection equipments, to carry out quality control on every detail of production process. Our testing equipment as: Roundness tester, surface roughness tester, projector, hardness tester, age, etc.



三坐标测量仪 (CMM)
Three Coordinate Measuring Machine (CMM)



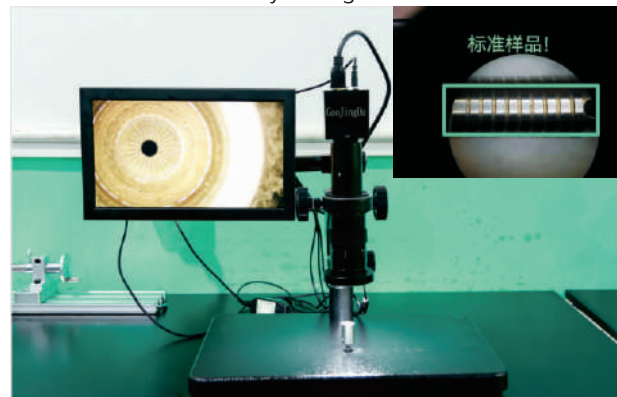
基恩士影像测量仪
Three Coordinate Measuring Machine (CMM)



圆柱度测量仪
Roundness tester



日本三丰SJ-410粗糙度测量仪
Mitutoyo Roughness tester



显微镜
Microscope



影像测量仪
Projector



德国Mahr测长仪
Mahr Length Meter



三丰高度仪
High gage



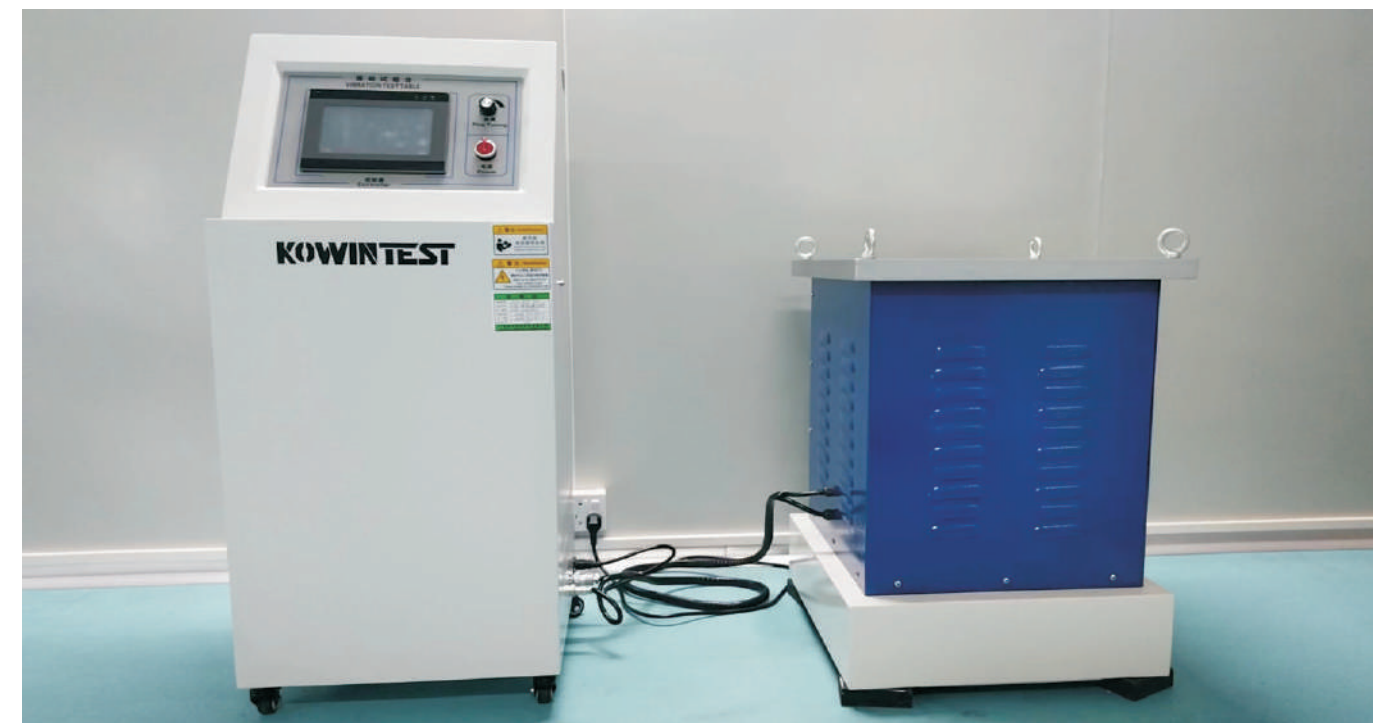
显微硬度计
Microhardness tester



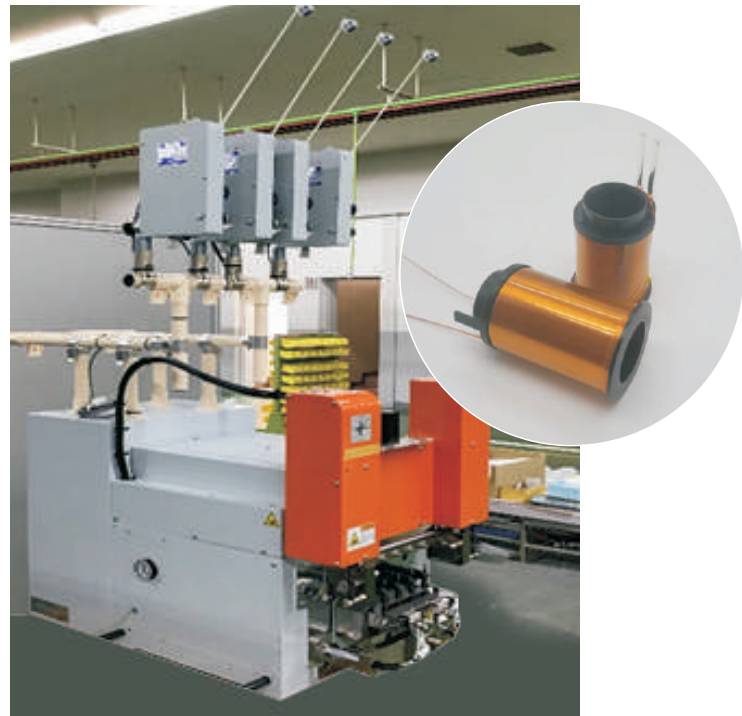
可程式恒温恒湿试验箱
Programmable temperature and humidity tester



两箱式冷热冲击试验箱
Two boxes cold and hot shock tester



高频振动测试台
High frequency vibration tester



日特绕线机
NITTOKU Winding machine



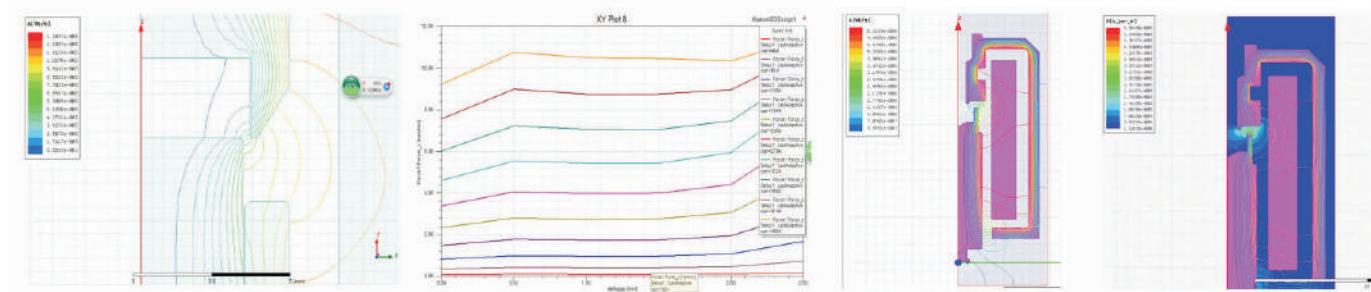
激光焊接机
Laser Welding Machine



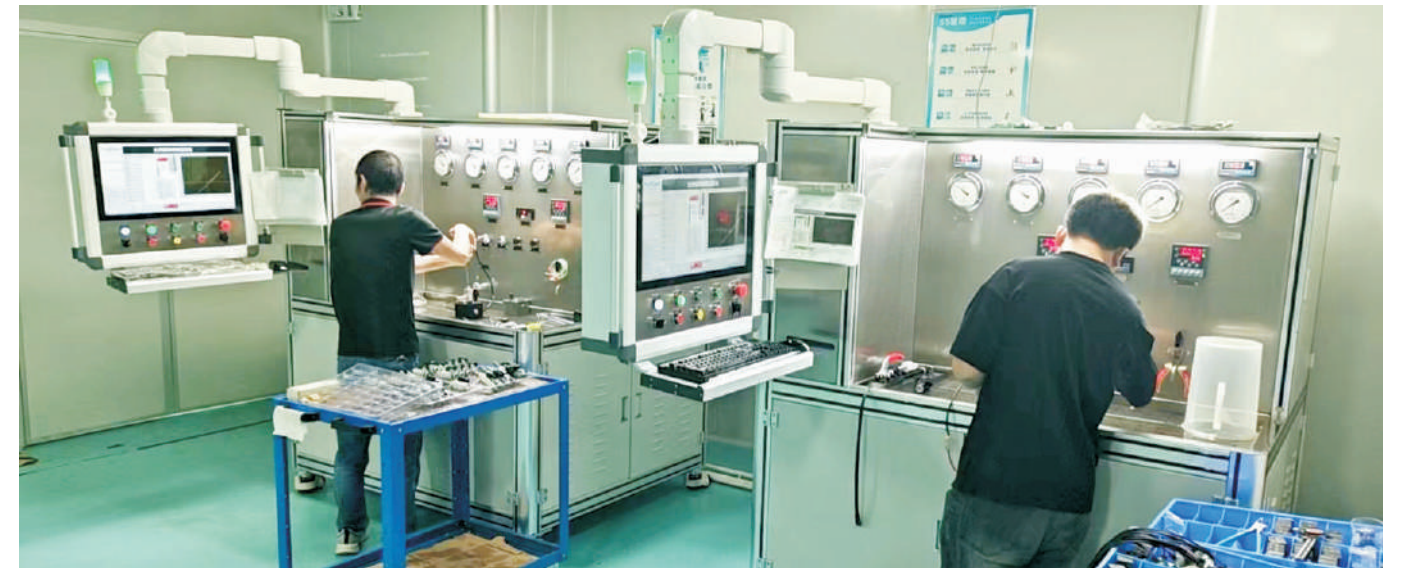
气密性检测台
Air tightness tester



导磁管耐高压测试台
High pressure tester



电磁铁仿真设计
Electromagnet simulation design



比例阀测试台
Proportional valve test bench



产品可靠性测试中心
Product Reliability Testing Center



螺纹插装阀性能测试台
Cartridge valves tester



经过多级过滤的油液，
清洁度达到NAS6级标准
The oil that has undergone multi-stage
filtration has
a cleanliness level of NAS 6 standard

定期对油液清洁度检验
Regularly inspect
the cleanliness of the oil



产品清洁度试验室
Product Cleanliness
Laboratory

车间生产监控大屏
Production Monitoring
Big Screen



设备清单一览表 /Equipment Summary List

主要生产设备(Main Production Equipment)				
设备名称	Equipment Name	数量Quantity	品牌	Brand
五轴加工中心	Five-Axis Machining Center	6	台群	TAIKAN
车铣复合机	CNC Turning-Milling Center	3	津上	Tsugami
江黑 / 高乔 / 米克数控车床	CNC Lathe	30	江黑/高乔/米克	EGURO / Gaoqiao / MICK
五轴走心机	Five-Axis Swiss-Type Lathe	7	津上	Tsugami
六轴走心机	Six-Axis Swiss-Type Lathe	2	津上	Tsugami
数控外圆磨床	CNC External Cylindrical Grinder	6	津上	Tsugami
数控内圆磨床	CNC Internal Cylindrical Grinder	1	津上	Tsugami
无心磨床	Centerless Grinder	4	键和	JAINNHER
七轴静压无心磨床	Seven-Axis Hydrostatic Centerless Grinder	1	兴富祥	HENFUX
卧式珩磨机	Horizontal Honing Machine	4	善能	SUNNEN
多轴立式珩磨机	Multi-Axis Vertical Honing Machine	1	英格斯	Engis
双端面磨床	Double-Disc Grinding Machine	2	KEZI	KEZI
光纤激光焊接机	Fiber Laser Welding Machine	1	鼎创	Dingchuang
立式注塑机	Vertical Injection Molding Machine	2	今通	Jintong
伺服压力机	Servo Press	2	东合	Donghe
绕线机	Winding Machine	2	日特	NITTOKU
磨粒流加工设备	Abrasive Flow Machining Equipment	2	罗恩	ROON

主要实验/试验设备(Main Experimental/Testing Equipment)				
设备名称	Equipment Name	数量Quantity	品牌	Brand
可编程恒温恒湿试验箱	Programmable Temperature & Humidity Test Chamber	1	科文	KOWIN
振动试验台	Vibration Test Bench	1	科文	KOWIN
两箱式冷热冲击试验箱	Two-Chamber Thermal Shock Test Chamber	1	科文	KOWIN
跌落试验机	Drop Test Machine	1	科文	KOWIN
盐雾试验机	Salt Spray Test Machine	1	科文	KOWIN
插装阀测试台	Cartridge Valve Test Bench	5	订制	Customized
耐久性综合测试台	Durability Integrated Test Bench	1	订制	Customized
SCV阀测试台	SCV Valve Test Bench	1	订制	Customized
泄压阀测试台	Pressure Relief Valve Test Bench	1	订制	Customized
气密性测试台	Air Tightness Test Bench	1	订制	Customized
比例电磁铁测试台	Proportional Solenoid Test Bench	1	力倍	Libei
弹簧拉压试验机	Spring Tensile & Compression Tester	1	思为	SIWI
弹簧试验机	Spring Test Machine	1	智取	Zhiqu
全数显耐压测试仪	Fully Digital Withstanding Voltage Tester	1	长盛	Changsheng
直流低电阻测试仪	DC Low Resistance Tester	1	同惠	Tonghui
线圈圈数测量仪	Coil Turn Measurement Device	1	沪光	HUYI
绝缘电阻测试仪	Insulation Resistance Tester	1	胜利	VICTOR

主要检测设备(Main testing equipment)				
设备名称	Equipment Name	数量Quantity	品牌	Brand
圆柱度仪	Cylindricity Tester	3	东精精密	ACCRETECH
2.5次元测高仪	2.5D Height Gauge	1	三丰	Mitutoyo
基恩士一键测量	Keyence Quick Vision System	1	基恩士	Keyence
Precimar测长仪	Precimar Length Gauge	1	马尔	Mahr
光学影像仪	Optical Video Measuring System	4	万濠	Wanhao
高度计	Height Gauge	8	三丰	Mitutoyo
维氏硬度计	Vickers Hardness Tester	1	莱州	Laizhou
洛氏硬度计	Rockwell Hardness Tester	3	华银	Huayin
邵氏硬度计	Shore Hardness Tester	1	华银	Huayin
数字显微镜	Digital Microscope	3	PDOK	PDOK
内径测量仪	Bore Gauge	6	英式	INSIZE
三坐标	Coordinate Measuring Machine (CMM)	1	海克斯康	Hexagon
粗糙度测量仪	Surface Roughness Tester	1	三丰	Mitutoyo



产品类别 Product Category	高精密阀芯阀套 High Precision Valve Core and Valve Sleeve
加工材质/Raw Materials	20CrMo、15CrMo、1215
技术特性/Technical Characteristics	配合间隙：0.004 - 0.015 mm 阀套内孔与阀芯外径的表面粗糙度：Ra ≤ 0.2 μm 阀套与阀芯的圆度：0.001 mm 圆柱度：0.0015 mm Clearance Fit: 0.004-0.015 mm, Surface roughness of valve sleeve inner bore & valve core outer diameter: Ra ≤ 0.2 μm. Roundness of valve sleeve & valve core: 0.001 mm, cylindricity: 0.0015 mm.
加工难度/Processing Difficulty	★★★★★



产品类别 Product Category	锥面硬密封阀芯阀座 Conical Hard-Sealed Valve Core and Seat
加工材质/Raw Materials	20CrMo、15CrMo、1215、45#
技术特性/Technical Characteristics	关键位置同轴度&圆柱度可至0.0015mm Coaxiality and cylindricity of key positions can reach 0.0015 mm
加工难度/Processing Difficulty	★★★★★



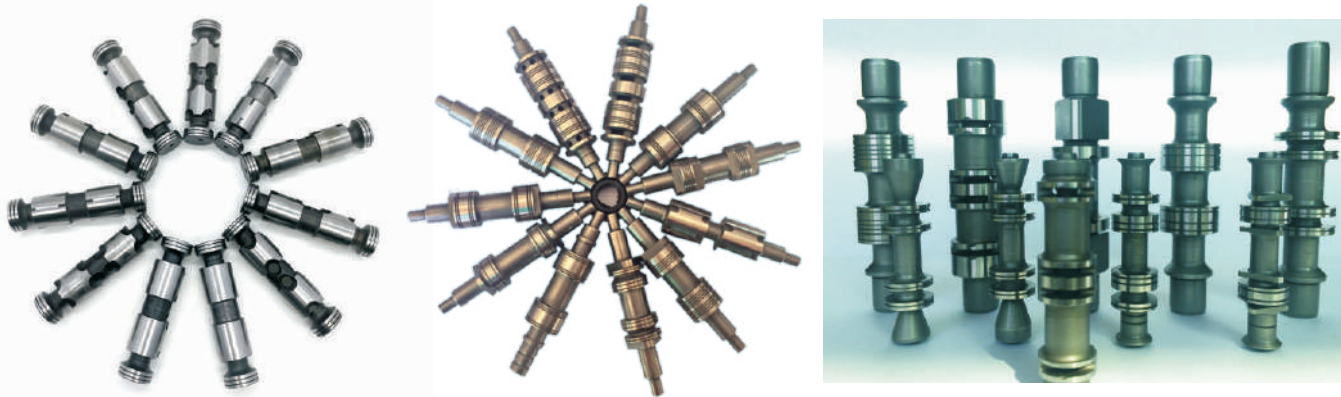
产品类别 Product Category	钎焊结构阀芯 Valve Core with Brazed Construction
加工材质/Raw Materials	20CrMo、15CrMo、1215
技术特性/Technical Characteristics	同轴度&圆柱度可至0.0015mm Coaxiality and cylindricity can reach 0.0015 mm.
加工难度/Processing Difficulty	★★★★★



产品类别 Product category	伺服比例阀阀芯阀套 Servo Proportional Valve Core and Sleeve
加工材质/Material	Cr12MoV
技术特性/Technical Characteristics	同轴度&圆柱度可至0.0015mm，关键位置精度0.005mm,可做到零遮盖 Coaxiality and cylindricity can reach 0.0015 mm. Key positional accuracy is 0.005 mm, achieving zero overlap.
加工难度/Degree of difficulty	★★★★★

电磁换向阀芯

Electromagnetic reversing valve core



伺服阀阀芯阀套

Spool&Sleeve of servo valve



非标定制阀芯

Non standard customized Spool



主泵电磁阀

Main pump solenoid valve



工程车电磁阀

Engineering vehicle solenoid valve



插装式电磁阀

Plug-in solenoid valve



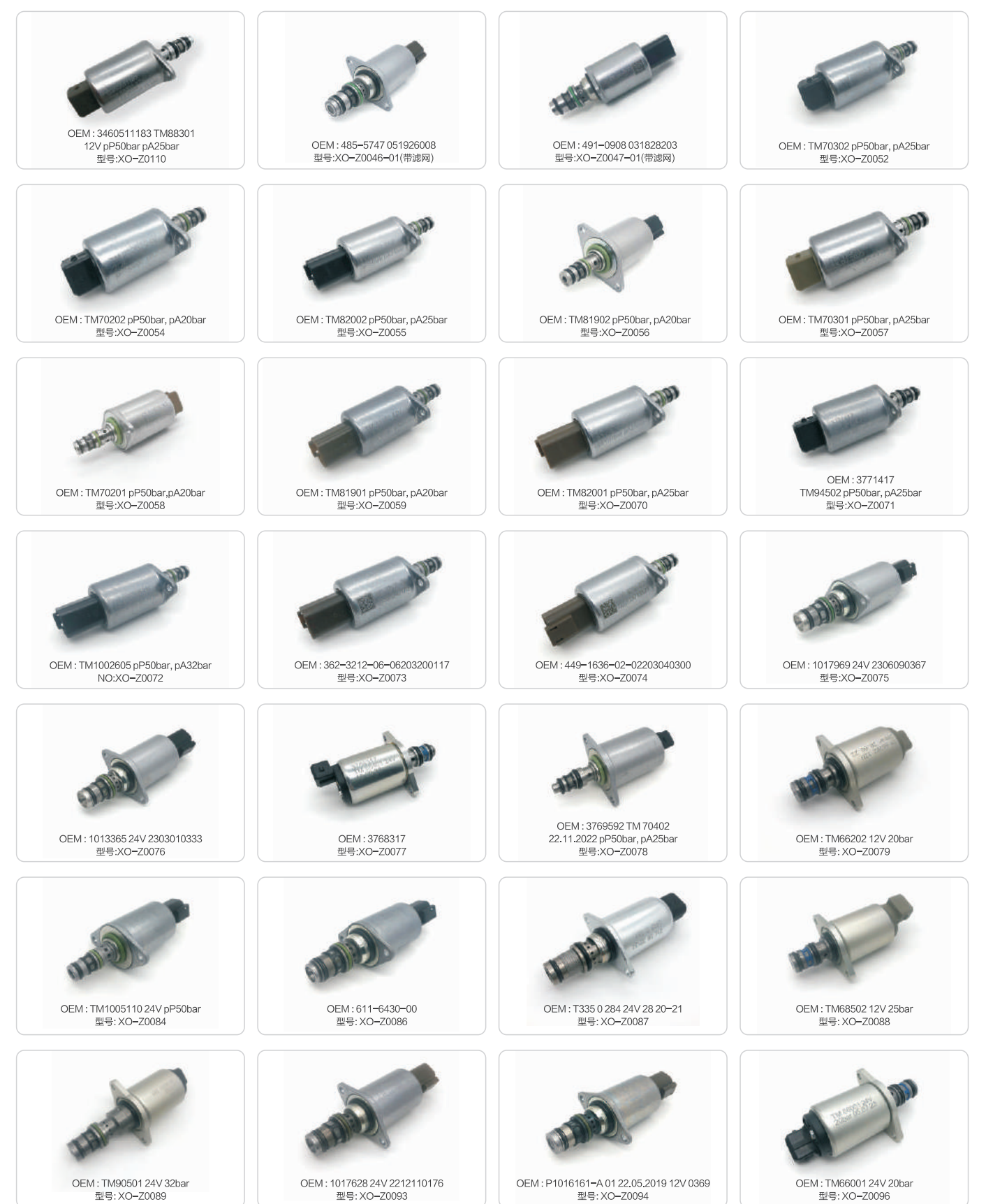
恒功率阀/电功率阀

Constant power valve/electric power valve



多路阀/比例电磁阀

Multi way valve/proportional solenoid valve





产品类别 Product Category	螺纹插装阀 Threaded Cartridge Valves
技术特性/Technical Characteristics	高精度、高寿命、高稳定 High Precision, Long Service Life, Excellent Stability
加工难度/Processing Difficulty	★★★★★



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产品类别 Product Category	比例电磁阀 Proportiona Solenoid Valves
技术特性/Technical Characteristics	高精度、低滞环，高频响、低内部泄露、高寿命 High Precision, Low Hysteresis, High Frequency Response, Low Internal Leakage, Long Service Life
加工难度/Processing Difficulty	★★★★★



产品类别 Product Category	比例电磁阀 Proportiona Solenoid Valves
技术特性/Technical Characteristics	高精度、低滞环，高频响、低内部泄露、高寿命 High Precision, Low Hysteresis, High Frequency Response, Low Internal Leakage, Long Service Life
加工难度/Processing Difficulty	★★★★★