



HWH®

SPECIALIZED IN MANUFACTURING OF PREMIUM CAR CHASSIS PARTS
BRAKE CALIPER&STEERING KNUCKLE

玉环创裕机械有限公司

YUHUAN CHUANGYU MACHINERY CO.,LTD

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➤ About Us 关于我们

Chuangyu was founded in September,2005,with a construction area of 30000 square meters. For over 20 years, we have been focusing on the research and development, as well as

manufacturing auto parts including brake caliper, steering knuckles, steering knuckle assemblies.

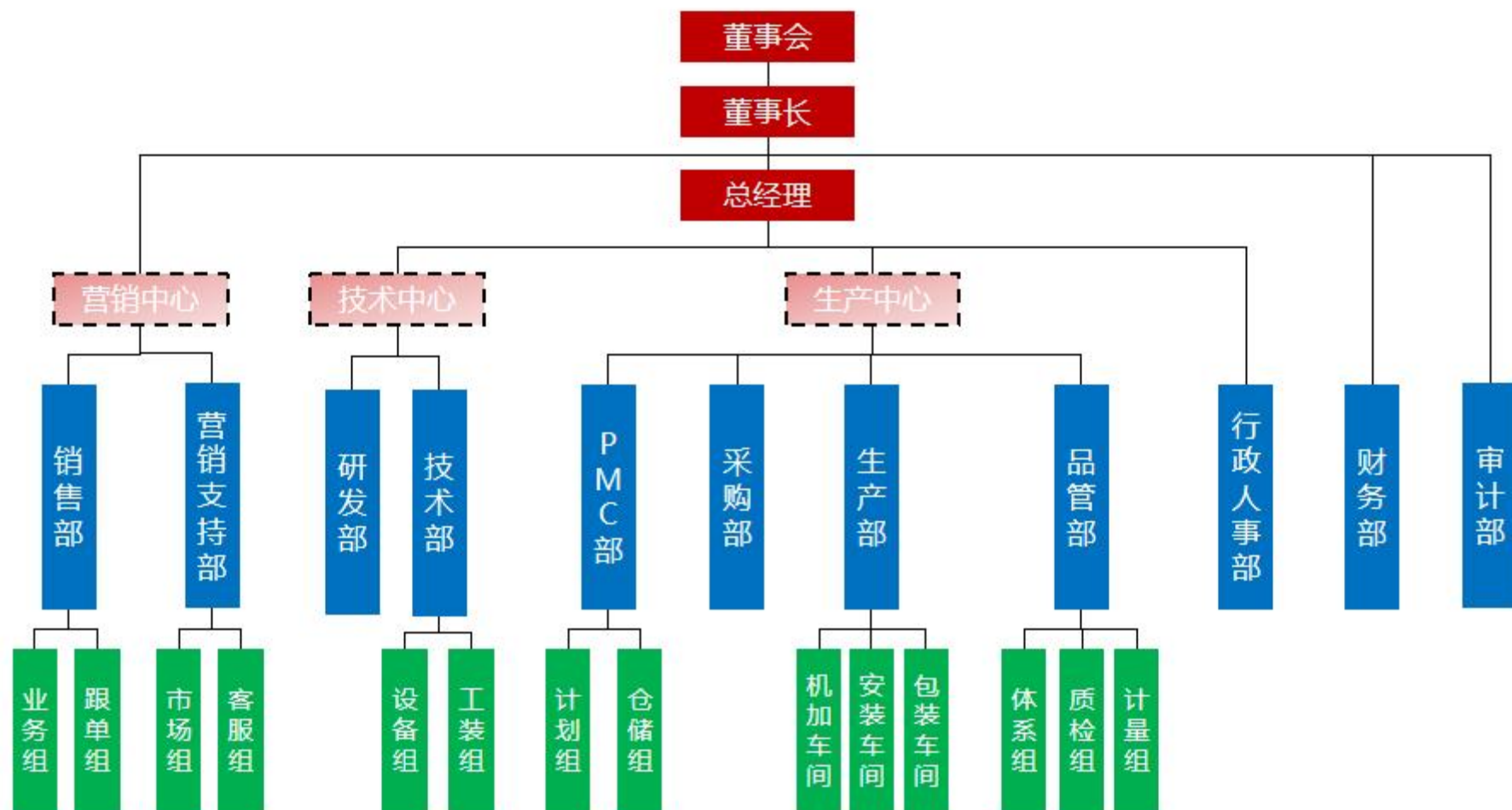
Our company has a complete experimental testing equipment that can conduct 100% online monitoring and various comprehensive performance tests throughout the entire process from product design to production. At present, our products have covered the mainstream car models worldwide and are exported to more than 80 countries and regions worldwide.

Chuangyu adheres to the business philosophy of integrity and is committed to providing customers with world-top products and high-quality services.

玉环创裕机械有限公司始创于2005年9月，建筑面积30000m²。20余年专注于汽车制动钳、转向节转向节总成等相关汽车零部件的研发与制造。公司拥有完备的实验测试设备,能从产品设计到生产全过程性能进行100%在线监测与各种综合性能测试，目前，公司产品已实现对全球主流车型的基本覆盖，并远销全球80多个国家和地区。创裕公司（HWH）秉承诚信的经营理念，致力于为客户提供世界一流的产品和高品质的服务。



组织结构 ORGANIZATION



2005



Established in 2005.

公司正式注册成立

2006



The first type knuckle was put into production

第一款转向节批量投产

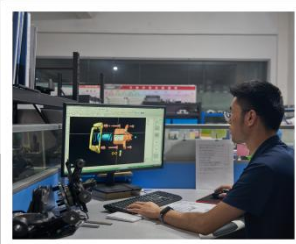
2011



Annual sales amount exceeded 20 million RMB. More than 100 types of steering knuckle SKU.

2011 年销售额突破2000万人民币
转向节SKU超过100种

2013



Establishment of brake caliper department.

制动钳项目部成立

2015



Passed TS16949 certification

通过TS16949 认证

2016



Moved to Baiyan industrial zone, covering an area of 10000 square meters, with more than 100 employees.

搬迁至白岩厂区, 占地面积1万平方米, 员工100多人

2019



Annual sales amount
exceeding 100 million RMB.

年销售额超过1亿人民币

2021



Awarded the title of "Zhejiang Province Science and Technology Oriented Small and Medium Enterprises".
Starting MES production system.

荣获“浙江省科技型中小企业”
引入MES生产系统

2023



Moved to Ganjiang industrial zone, with a construction area of 30,000 m³
Added 2 automotive production lines.
The WMS intelligent warehousing project was officially put into operation.

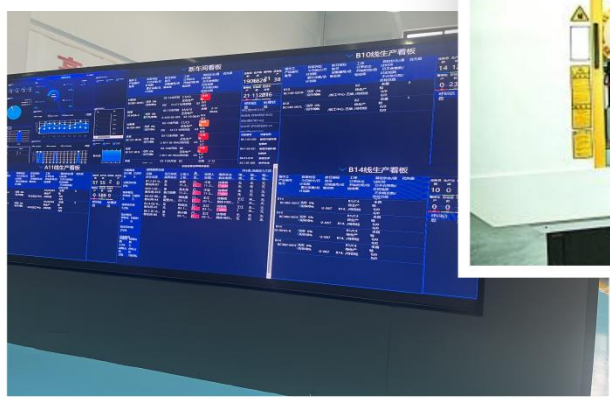
搬迁至干江新厂，建筑面积3万平方米
新增自动化生产线2条，WMS智能仓储项目正式投产

2030

New factory investment and construction.
投资规划新厂建设

2028

Annual producing volume
exceeds 3million sets before 2028.
年产能突破300万套



2035

Dedicated to become a professional
supplier in the global auto parts industry of
steering and braking system.
致力于成为全球汽车转向制动专业供应商



DEVELOPMENT PLAN 发展规划

➤ HONOR BROCHURE 我们的荣誉



Science and technology enterprise
科技型中小企业



Yuhuan dragon enterprise
玉环市潜龙企业



Taizhou enterprise technology Center
台州市企业技术中心



Product Ranger

4000 Brake calipers for Europe、North American market 产品型号已达4000多款，基本覆盖欧洲，北美主流市场

BRAKE CALIPER SERIES 制动钳系列

HWH® 玉环创裕机械有限公司
YUHUAN CHUANGYU MACHINERY CO.,LTD.



HVH[®]

STEERING KNUCKLE



Product Ranger

2000

Steering Knuckle & Loaded Knuckle types. The most comprehensive coverage in the aftermarket.
转向节和转向节总成型号已达2000多款，售后市场覆盖率最全。

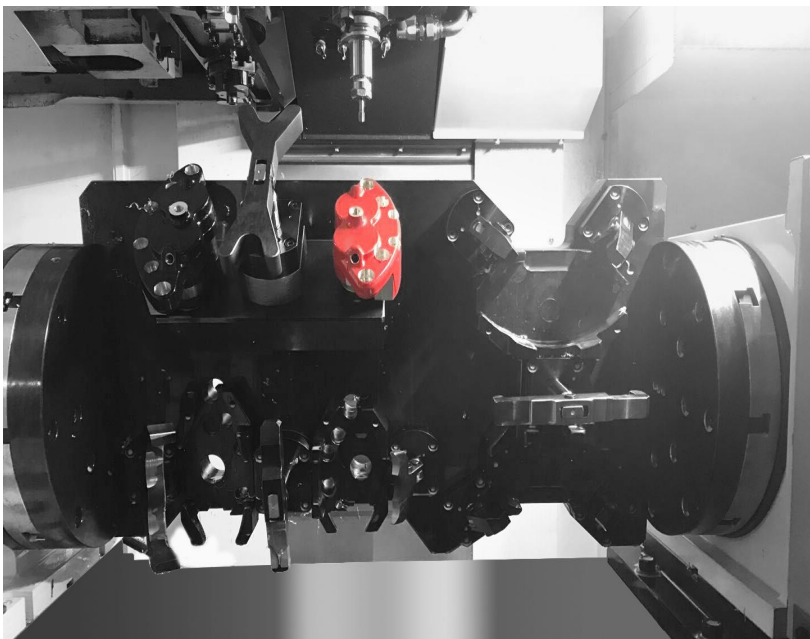
Steering Knuckle & Loaded Steering Knuckle 转向节&转向节总成系列

HVH[®] 玉环创裕机械有限公司
YUHUAN CHUANGYU MACHINERY CO., LTD.



Research and development capability 研发能力

- Independent research and development team, currently 6 people; Continuously optimize production capacity and technological innovation every year
独立的研发小组，目前6人;每年不断优化产能和技术创新
- Monthly development of 10-15 brake calipers, steering knuckle development of 5-8
制动钳每月开发型号10-15款，转向节5-8款
- HWH has three coordinate scanner, salt spray testing machine, fatigue testing machine, caliper comprehensive test bench, and other multi-functional testing equipment
拥有三坐标扫描仪，盐雾测试机，疲劳测试机器，卡钳综合测试台，等多功能测试设备



Productive Capacity 生产能力

- 100 CNC machining centers
- 6 fully automated production lines
- 50% Adopt hydraulic tooling technology
- 2 Automatic ultrasonic cleaning machines

- 100 CNC 加工中心
- 6 条全自动化生产线
- 50% 采用液压工装
- 2 台自动超声波清洗机



Assembly capacity 组装能力

- 7 Brake Caliper Assembly lines
- 2 Steering Knuckle Assembly lines
- 110,000 Installed quantitylines per month

- 7 刹车钳安装流水线
- 2 转向节及其总成安装流水线
- 110,000 制动钳、转向节总成每月安装数量



Quality control-IQC (Incoming Quality Control) 品质管控-来料检验

HWH conducts material inspection and archives before the material enters the production process, including metallographic inspection, tensile test, hardness test, etc., to ensure that the material entering the production meets the quality standards and specifications, so as to avoid the impact of unqualified materials on the production process and the quality of the final product.

HWH在物料进入生产流程之前，对其进行材料检验并存档，包括金相检验，拉力试验，硬度测试等，确保进入生产的物料符合质量标准和规范，以避免不合格的物料对生产过程和最终产品质量造成影响。



HWH® 检测报告 Test Report

报告编号: CY-QLX20240319-01
(Report NO.)

CY-QL-01-02

检测项目 Test Item(s)	拉伸试验	样品名称 Product	材料号
型号规格 Model	01540	生产厂家 Department	五金部
收样日期 Receiving Date of Sample(s)	2024.03.18	收样数量 Receiving Number of Sample(s)	1只
材料牌号 Material Trademark	-	主要检测设备 Main-Testing Equipment	万能试验机
检测依据 Test Requirements	GB/T228-2010		
曲线图 graph			
技术要求 Technical requirements	抗拉强度 (Rm)	屈服强度 (Rp0.2)	断后伸长率 (A)
	≥370MPa		≥5%
检测标准 Test Results	351.663MPa	269.70MPa	10.06%
检测结果 Item conclusion	OK	-	OK
检测结论 Test Summary	检测结果符合技术要求		
备注 Remarks	检测结果仅供参考		
检测日期 Test Date	2024.03.19	审核/日期 Verify/Date	林所 2024.03.19

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HWH® 检测报告 Test Report

报告编号: CY-QLX20240314-01
(Report NO.)

CY-QL-01-02

检测项目 Test Item(s)	金相分析	样品名称 Product	下臂
型号规格 Model	02896	检测数量 Department	数量
收样日期 Receiving Date of Sample(s)	2024.03.13	收样数量 Receiving Number of Sample(s)	1只
材料牌号 Material Trademark	101A	样品状态 Sample state	-
检测依据 Main Testing Equipment	金相显微镜/金相度计	测试剂 Testing dates	0.5N/H 水清洗
检测前准备 Test Requirements	JB/T 6299-2005/GB/T 231.1-2009		
取样部位 取样照片（图1）	金相取样照片（图2）		
			
			
金相显微组织 100X（图3）	心部显微组织 100X（图4）	心部显微组织 400X（图5）	心部显微组织 400X（图5）
技术要求 Technical requirements	硬度 98-105HV (5/1000)	分数量孔/mm² ≤4 级	晶中量孔/mm² ≤4 级
检测标准 Test Results	101BHV	1 级	≤1 级
金相组织 Metallographic item	OK	OK	OK
检测结论 Test Summary	金相组织符合技术要求。		
备注 Remarks	金相组织符合技术要求。		
检测日期 Test Date	林雨 2024.03.14		审核/日期 Verify/Date
			2024.03.14

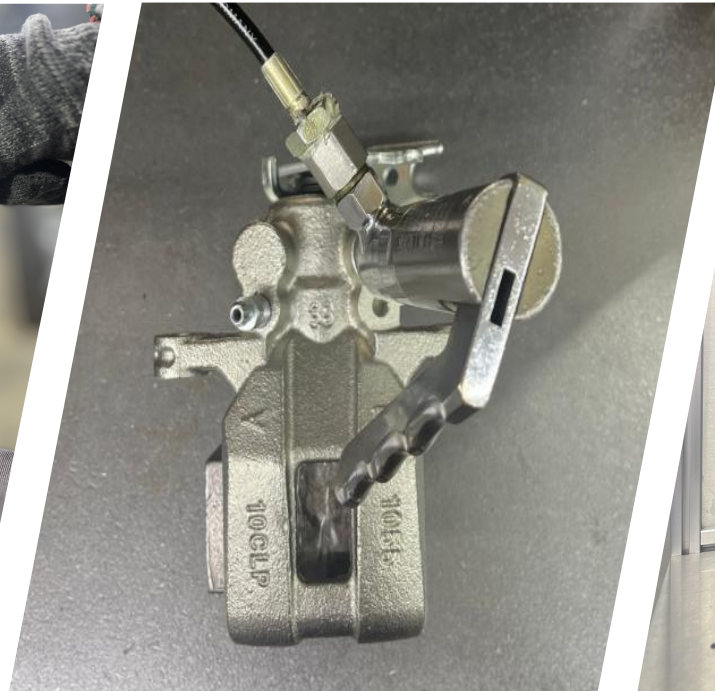
> Quality control-Inspection of finished product 质量管控-成品检验



Size Check 尺寸检验



Thread Check 螺纹检验



Online Pressure Test 压强检测



Piston concentricity detection
活塞同心度检测

➤ Storage Capacity 仓储能力

The warehouse area is 10,000 square meters, which uses WMS intelligent storage and adopts closed management, through the application of AGV automatic shelves, automatic access robots and other equipment, to achieve fast picking and accurate shipment, saving time and labor, significantly improve the efficiency of warehousing operations

仓储面积10,000平方米。采用WMS封闭式智能化仓储，通过应用AGV自动货架、自动存取机器人等设备，实现快速拣货和准确出货，省时省力，显著提高仓储作业运行效率



Management Ability 管理能力

Production management - Adopt Manufacturing Execution System (MES).It has accurate and perfect production data analysis, improve the enthusiasm of staff work

Workshop site management-On-site 5S management, standardized production system, improve production efficiency and ensure product quality

R&D management By using CAXA PLM system, the comprehensive management and utilization of product data is realized from product development, process design, manufacturing and other aspects.

Personnel management-CHANGSONG organization system, improve the work efficiency and collaboration ability of management personnel.

生产管理-采用鹰厂长制造执行系统，拥有准确完善的生产数据分析，提高了人员工作的积极性。

车间管理-采用现场5S管理，生产制度规范化，提高了生产效率也保证了产品的质量。

研发管理-采用数码大方CAXA PLM 从产品开发、工艺设计、生产制造等多方面实现了对产品数据的全面管理和利用。

领导层人员管理-采用长松组织系统，有效提升公司人员的工作效率和协同能力。



➤ Gold Partner 合作伙伴



COMMERCIAL NETWORK





THANKS
FOR YOUR WATCHING
谢谢观看!



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