



# FORGING & CASTING



*"Flame-Forged Foundations, Future-Focused Vision"*

YUHUAN KAIDA COPPER INDUSTRY CO., LTD

*"Flame-Forged Foundations, Future-Focused Vision"*



# WE SERVE GLOBAL

Address: No.9 Xuancheng Road, Yuhuan Economic Development Zone,  
Yuhuan City, Zhejiang Provincce, China  
Tel: +86-576-87120903/87120901  
Mobile/Wechat: 15057662878  
Website: [www.zj-kaida.com](http://www.zj-kaida.com)  
Email: [sales@zg-kaida.com](mailto:sales@zg-kaida.com)



# CATALOGUE

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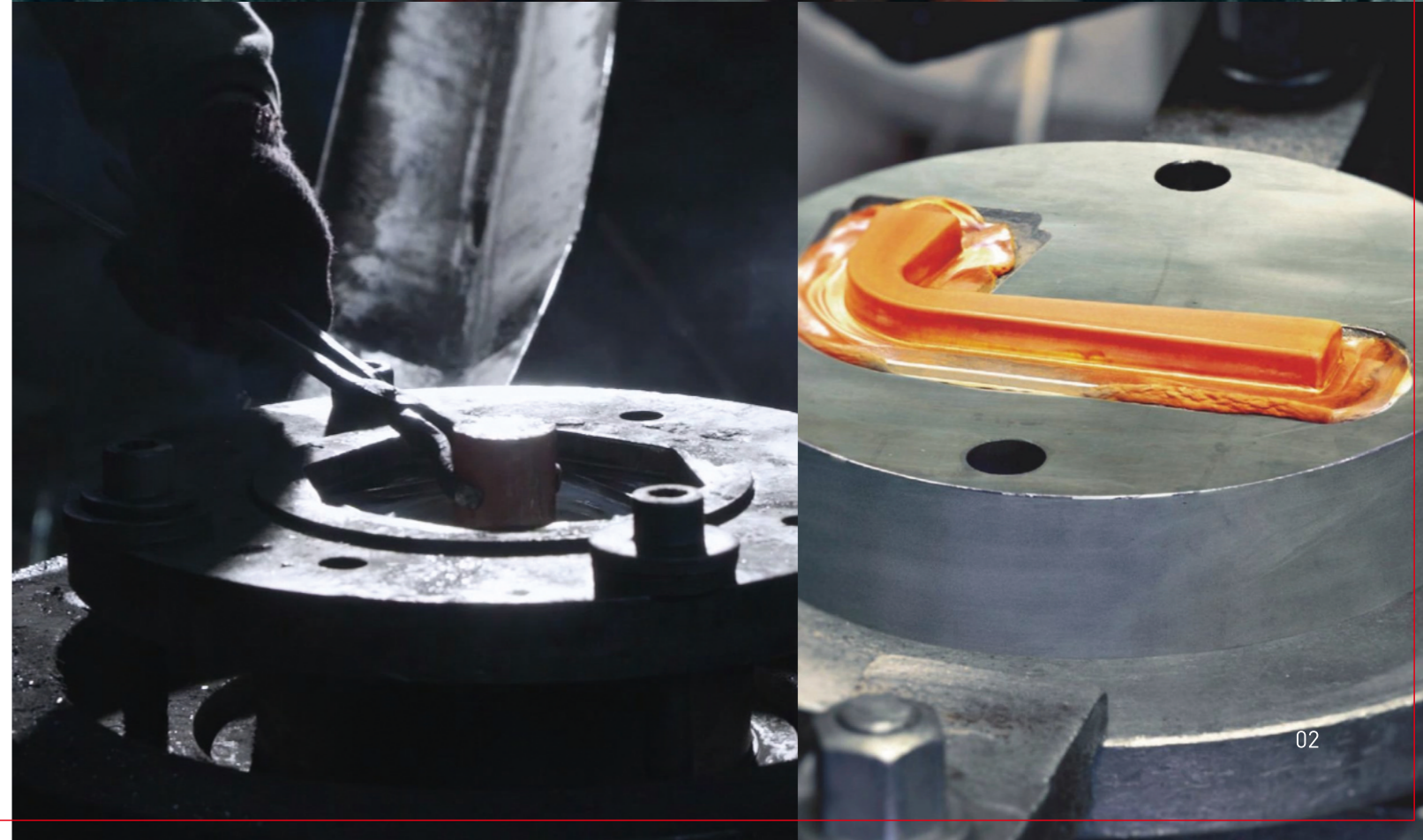
# ABOUT US



Yuhuan Kaida Copper Industry Co., Ltd., based in Yuhuan, Taizhou, Zhejiang Province, is a modern enterprise specializing in copper forging, die-casting, and the R&D and manufacturing of plumbing and sanitary products. With a complete industrial chain and advanced technology, Kaida offers one-stop solutions from raw material processing to finished product delivery.

The company operates a 48,000 m<sup>2</sup> intelligent production base with seven in-house workshops covering **forging, die-casting, machining, polishing, PVD coating, painting, and packaging**. Equipped with imported CNC machines and precision testing tools, its annual output reaches tens of millions of units. **Kaida follows ISO9001 standards and its products meet multiple international certifications.**

Serving over 30 countries, including Germany, the U.S., and Japan, Kaida provides customized copper components for high-end industries. It specializes in hydraulic valve bodies, pump housings, and motor end caps, and also produces modular plumbing components that comply with EN817, ASME, and other global standards. Products are certified by **WRAS, ACS, CE, and more.**





# HISTORY

**1994**

Established plastic mold factory, laying the foundation for precision manufacturing

**1997**

Pioneered brass die-casting mold technology, advancing core industrial capabilities

**2002**

Officially incorporated as Yuhuan Kaida Copper Co., Ltd., marking entry into brass casting and forging industries

**1998**

Commissioned dedicated foundry workshop to strengthen production capacity

**2003**

Certified under **ISO9001** Quality Management System, transitioning to modernized operational standards

**2008**

Entered sanitary ware sector with 100+ proprietary designs, solidifying leadership in domestic markets

**2024**

Deployed **1250-ton heavy-duty hot forging press** for precision fabrication of components exceeding 50kg

**2017**

Expanded operations with a 36,000m<sup>2</sup> digitalized production base, driving intelligent large-scale manufacturing

**TODAY**

- **Innovation-Driven:** 10+ patents and a specialized R&D team fueling product excellence.
- **Global Presence:** Distributing to 30+ countries across Europe, Americas, and Southeast Asia.
- **Strategic Alliances:** Partnering with Fortune 500 enterprises for sustainable growth.
- **Vision:** Accelerating green and intelligent manufacturing to redefine global copper processing.

# MANUFACTURING PROCESS



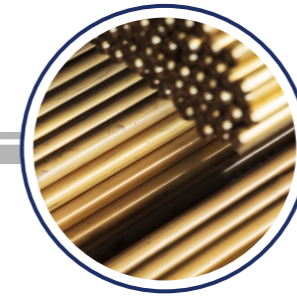
## Design Drawing Samples

Upon receiving the sample or requirements, our design team promptly creates precise technical drawings tailored for production



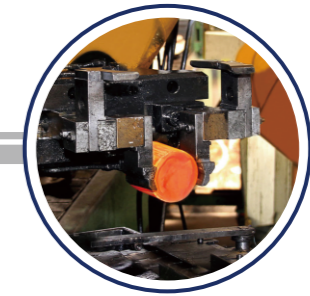
## Mold

Based on the drawings, we design and manufacture customized molds to ensure every product starts with professional precision



## Raw Material

Each batch of raw material undergoes rigorous spectrometer testing to ensure durability and consistency right from the source



## Forge/Die-Casting

High-temperature forging compacts the copper structure, laying a solid foundation for precise machining



**WE  
SERVE  
GLOBAL**



## Logistics

Professionally packaged and handled by an experienced logistics team, every product is delivered safely and on time



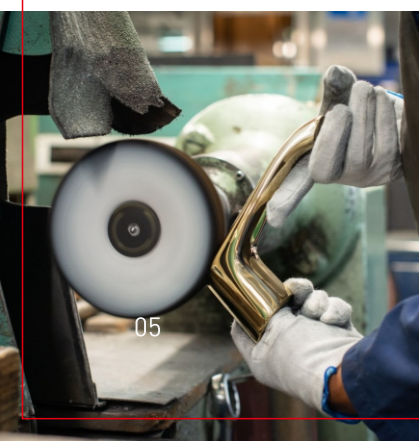
## Asseembly

Each product is assembled under strict process control to ensure stable performance and smooth operation



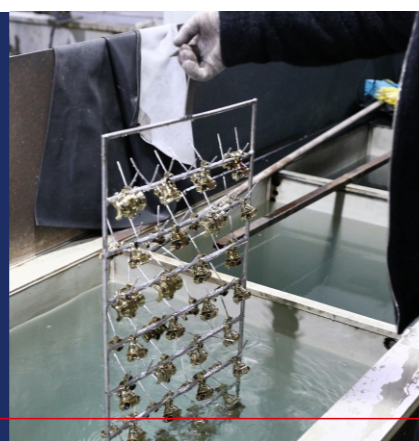
## Machining

Advanced machining ensures each part meets exact specifications with refined detail and accuracy



## Polishing

Multiple stages of manual and mechanical polishing refine every surface, enhancing the product's texture and visual appeal



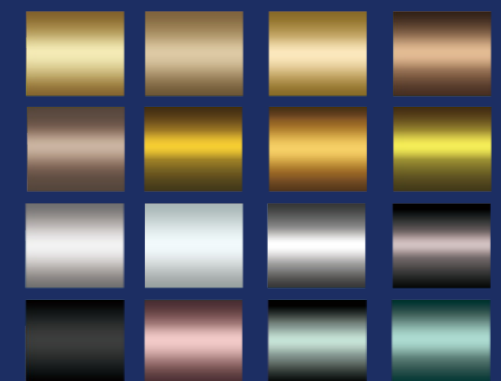
## Electroplating

High-standard electroplating techniques create layered coatings that improve corrosion resistance and product longevity



## PVD Coating

In a vacuum environment, PVD coating provides a premium finish with enhanced color durability and surface hardness





# PRODUCTION PROCESS



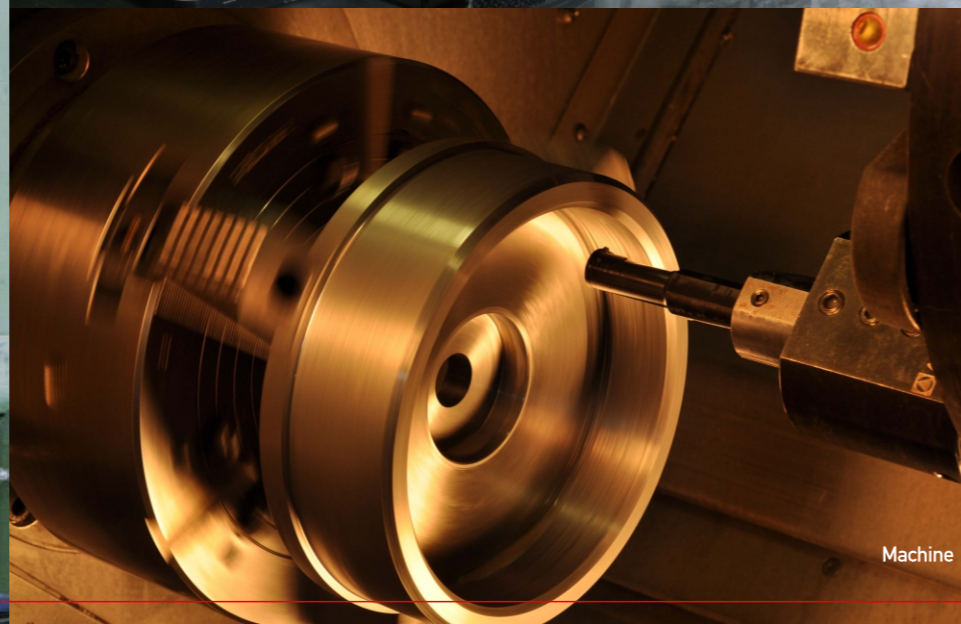
Mould workshop



Die casting/forging workshop



PVD WORKSHOP



Machine

## R&D Collaboration | 20+ Years of Copper Component Expertise to Perfect Your Design:

- Free manufacturability analysis
- Design feedback within 3 working days
- Small-batch trial production support

## Full Production Chain | End-to-End Manufacturing with Total Control:

- In-house mold workshop - Fast modification response
- Combined hot forging/die casting lines
- Complete machining facilities
- Precision polishing
- Surface treatments: Electroplating/PVD/Painting
- Packaging & assembly solutions

## Hot Forging & Die Casting | Flexible Solutions Powered by Proven Technology:

- Forged parts: 11g-40kg weight range
- Die castings: 0.5-30mm wall thickness
- Stable 24/7 production operation

## CNC Machining Solutions | High-Precision Results from Modern Equipment:

- Standard accuracy  $\pm 0.05\text{mm}$
- Professional deburring
- 100% critical dimension inspection

## Quality Assurance System | 3-Tier Protection for Guaranteed Reliability:

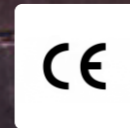
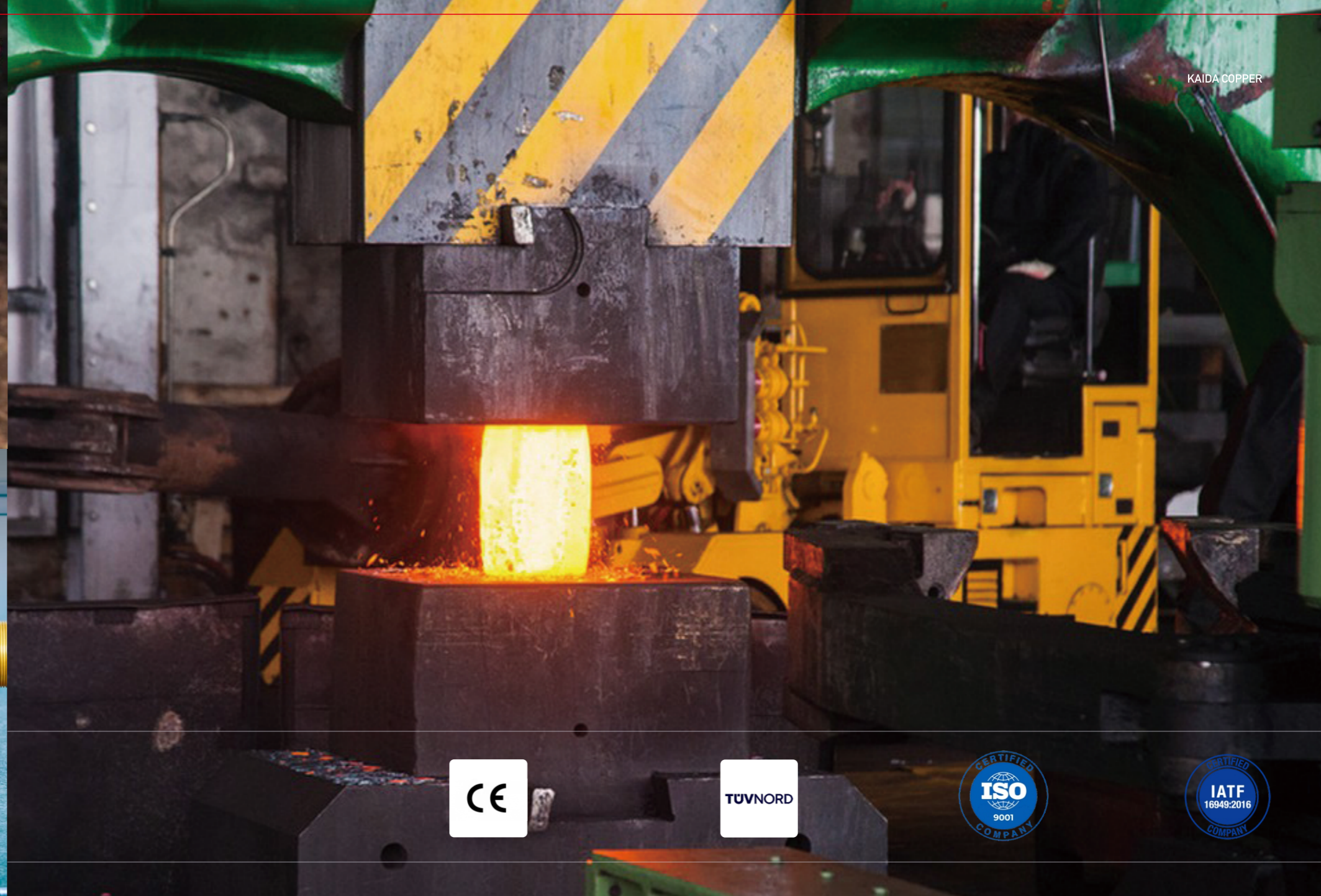
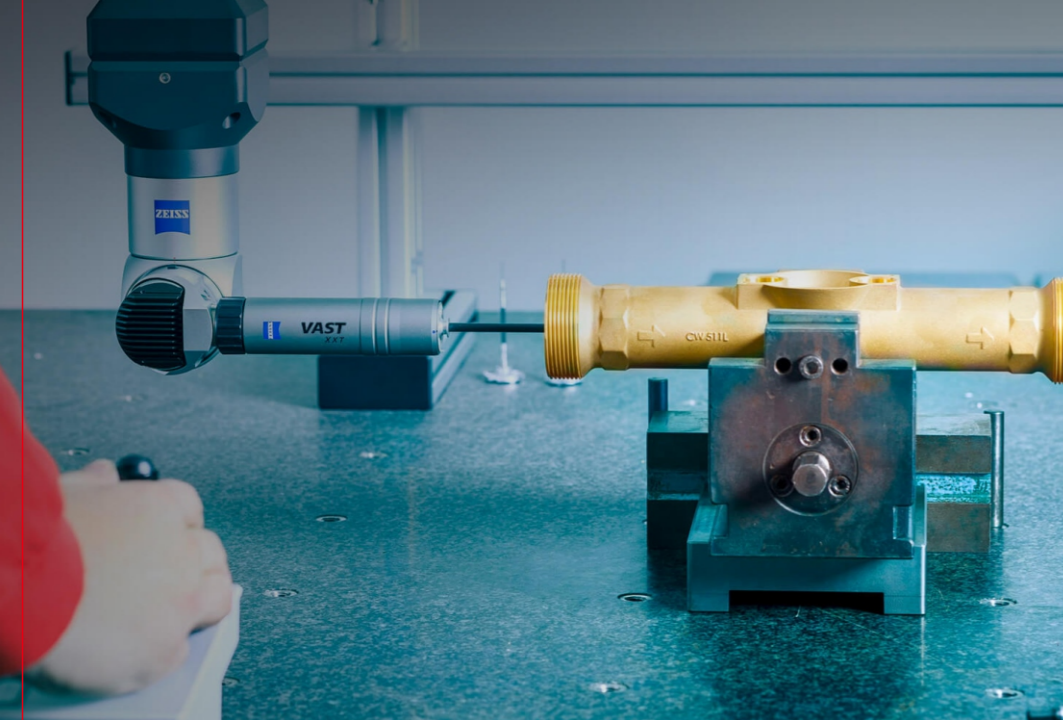
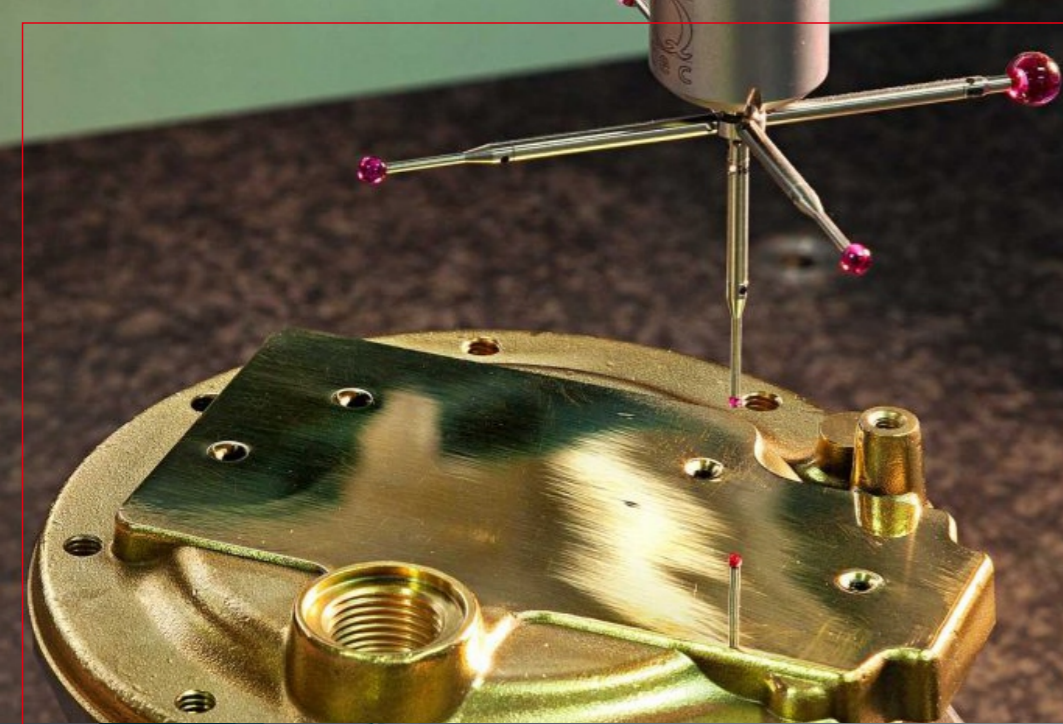
- Raw material inspection
- Workshop checks every 3 hours
- Final pre-shipment review
- ISO 9001 certified manufacturer

# OEM SERVICES

-  Bathroom sanitary
-  Light Parts
-  Electrial parts
-  Auto parts
-  Furniture Hardware
-  Brass plumbing fitting
-  HVAC
-  More Industries

Combining advanced design and production skills with hands-on technical support, we welcome opportunities to explore new product possibilities together





# QUALITY AND ENVIRONMENT

## QUALITY AND ENVIRONMENT: OUR OPERATING PRINCIPLES:

We aim to achieve customer satisfaction through innovative systems for continual improvement, directly involving all levels within the company. Personnel training and the realisation of their potential help us achieve our objectives. Environmental protection, prevention, and the limitation of pollution are a genuine, continual commitment at KAIDA

To ensure this, KAIDA has implemented and maintains a Quality and Environment Management System in compliance with the requirements of the ISO 9001 International Standards

# CUSTOMER SERVICE

- Our excellence makes us the benchmark for our partners with regard to management, support and assistance of their daily business
- We offer each customer support by dedicated professional, dynamic, multilingual staff
- We provide efficiency, reliability and real-time communications

