



# Investment Casting and Machining

Chinese Premier Stainless Steel Pipe Fittings &  
Valves Manufacturer

CANGZHOU KH FITTINGS CORPORATION

# Section 1: Corporate Overview

## Corporate Overview

### 1.1 Corporate introduction

Cangzhou KH Fittings Corporation was established in 2002 and is located in the Cangzhou Economic Development Zone, Hebei Province. The company covers an area of 51,000 square meters. With over two decades of expertise in precision casting and mechanical processing, KH has become a leader in stainless steel pipeline component manufacturing. The company combines advanced production technologies, lean management practices, and a rigorous quality assurance system to deliver world-class products. Driven by innovation and excellence, KH is committed to setting global standards in the stainless steel pipeline industry.

Committed to the core values of “Integrity, Pragmatism, Perseverance, and Innovation,” KH drives industry advancement through cutting-edge technology and a globalized strategy. Upholding the principle “Entrusted by Others, Established by Trust,” the company prioritizes high-quality products, employee welfare, and sustainable partnerships. By fostering cross-border collaboration and contributing to industrial progress, KH continues to set benchmarks in precision manufacturing while giving back to society as a responsible corporate leader.

We look forward to working with you to create a better future! Choosing KH is bound to succeed!



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## 1.2 Corporate Culture

**Corporate Vision:** To be the world leader in the field of stainless steel piping component manufacturing.

**Corporate Mission:** To develop the precision casting business and serve the stainless steel pipeline industry

**Corporate Core values:** Integrity, pragmatic, persistence, innovation.

**Corporate Slogan:** Choosing KH is bound to succeed!

### Corporate Social Responsibility

We anchor our mission in integrity-driven partnerships, delivering excellence that transcends expectations while co-creating sustainable value with all stakeholders. Rooted in gratitude for collective trust, we harmonize business growth with societal well-being through ethical innovation and equitable resource stewardship, pioneering solutions that elevate shared prosperity and environmental resilience.

### Quality Policy

Product quality is a matter of survival; a miss is as good as a mile; customer satisfaction is paramount; Preserve to perfection.

## 1.3 Corporate Fundamental Advantages:

- **Based on quality control systems:** Our manufacturing excellence framework can safeguard your supply chain integrity.
- **ERP big data management:** Realize the whole process of paperless intelligent control, quality traceability 100% verifiable.
- **International vision and service:** Global market with experienced leadership, sale and R&D team, ensuring compliance and 24h agile response.
- **Innovation and R&D:** Customer-driven R&D: 6% revenue fuels 100+ new products annually.
- **Responsibility and dedication:** ISO 9001/ISO 14001/ISO 45001/CRN/IATF 16949/PED/BSCI/-certified sustainability practices, delivering 10-year quality commitments and zero-defect reliability.

## **1.4 Corporate History (2002-2025 Global Precision Manufacturing Leadership)**

### **2002: Founding Milestone**

- Cangzhou KH Fittings Corporation was officially established and registered, marking the beginning of our journey in the fittings industry.

### **2006: Strategic Expansion**

- ✓ Acquired 18,000 square meters of prime industrial land at No. 31, Jiuhe East Road in Cangzhou Economic Development Zone, commencing our first major construction project to establish a manufacturing base.

### **2013: Industrial Growth**

- ✓ Expanded operations with the purchase of an additional 33,300 square meters at No. 52, Jiuhe East Road, laying the foundation for Cangzhou KH Pipeline componentCo., Ltd.'s new production facilities.

### **2014: Capacity breakthrough**

- ✓ The third casting line was put into production; Newly requisition and construction 33333.3m<sup>2</sup> in NO.52 East Jiu He Road

- ✓ The industrial robot researched and developed by ourselves used into machining workshop and have been sold to market.

### **2015: Technological innovation**

- ✓ Built new lathing workshop and already came to use.

### **2016: Brand honor and International Certification**

- ✓ Won the title of foreign trade brand advantage enterprise in Hebei.

- ✓ Obtained the second and the third party certification of TS16949.

### **2020: Infrastructure Development**

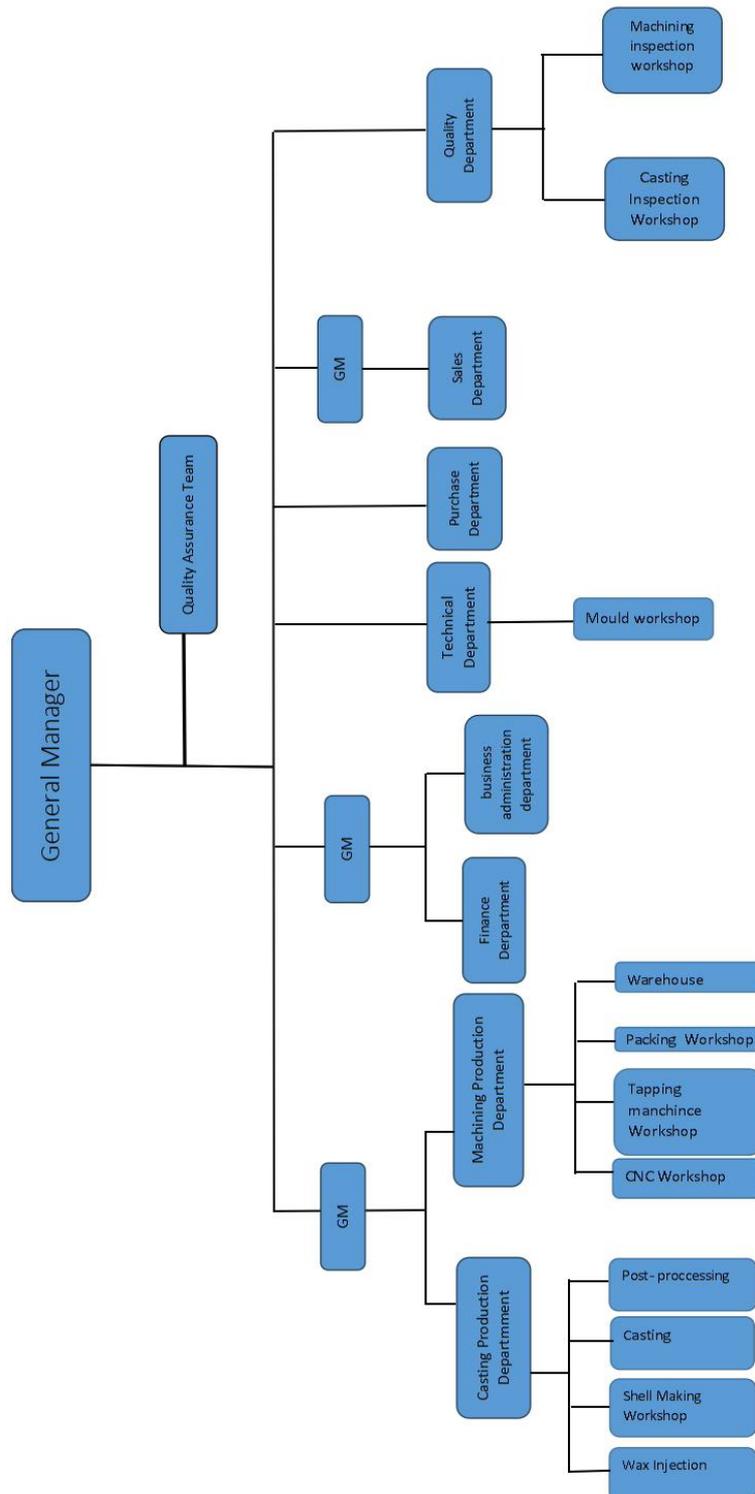
- ✓ Initiated construction of a modern 13,600-square-meter factory building, significantly enhancing our manufacturing capabilities and production capacity.

### **2024: Strategic Transformation**

- ✓ Completed comprehensive strategic adjustments to our operational layout, including a complete renovation of our headquarters office building, positioning the company for future growth and innovation in the industry.

## Section 2: Corporate Chart

Corporate has established a reasonable production organizational structure, achieving refined management and efficient operation of the production process.



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## Section 3: Certification and Honor

Certification	Certified By	Certificate No.	Product Name&Model No.	Expiry Date
PED/2016/1105/ UK 	LRQA Verification Limited	0038/UK/PED/BJG000 00873/B	Design and manufacture of ball valves/ Check valves/ Y-strainers	17 /January/ 2024-16/January/ 2027
PER/2016/1105/ UK 	LRQA Verification Limited	0038/UK/PER/BJG000 00873/A	Stainless steel valve parts and pipe fittings	17/January/2024- 16-January-2027
PED2014/68/EU 	LRQA Verification Limited	0343/PEDM/BJG0000 0873/B	Stainless steel valve parts and pipe fittings up to NPS 4’’	17/January/2024- 16/January/2027
PED2014/68/EU 	LRQA Nederland B.V.	0343/PED/0038/PED/S HA/BJG00000873/A	Ball Valves Globe Valves Gate Valves Butterfly Valves Check Valves Y-type Strainers	17/January/2024- 16/January/2027
AD 2000-W0  <b>AD-2000 MERKBLATT</b>	LRQA Nederland B.V.	BJG00000873-W0-1	Metal materials for stainless steel valve parts and pipe fittings (casting and machining)	9/August/2022-16 /January/2027
ISO14001:2015 	CNCA	10424E00091R0M	Production of stainless steel precision castings, pipe fittings and valves.Relevant environmental management activities	18/January/2024- 17/January/2027
ISO 9001:2015	LRQA	ISO9001-00028733	Manufacture of	17/January/2024-

	Verification Limited		stainless steel tube fittings (including precise machining) and valves sold abroad.	16/January/2027
ISO45001:2018 	CNCA	10424S00078R0M	Production of stainless steel precision castings, Pipe fittings, valves. Relevant occupational health and safety management activities	18/January/2024-17/January/2027
IATF16949:2016 	Lloyd	IATF 16949 – 00013158-001	Manufacture of stainless steel investment castings and associated machining.	27/March/2027
CFR 	SEATION	STQC-PCF-20240001	Product Carbon Footprint	2/January/2024-1/January/2027
GHG Verification 	SEATION	STQC-GHG-20240001	Greenhouse Gas Verification	2/January/2024-1/January/2027
COC 	SGS Gulf Ltd ROHQ	09312-002-24-1329282	SS threaded fittings Tubes and Pipes used in water, electricity and Gas networks Elbow,tee,cross,coupling	11/March /2024 -11/March/2025
COC 	SGS Gulf Ltd ROHQ	09312-002-24-1329316	SS threaded fittings Tubes and Pipes used in water, electricity and Gas networks Ball,gate,globecheck, Y-strainer	11/March /2024 -11/March/2025

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<b>Honor</b>	<b>Awarded By</b>	<b>Certificate No.</b>	<b>Product Name&amp;Model No.</b>	<b>Awarded Time</b>
Innovative SMEs in Hebei Province	Department of Industry and Information Technology of Hebei Province		Cangzhou KHStainless Steel Products Co., Ltd	December/2022 -December/2025
SSDI SMEs	Economic Development Bureau, Cangzhou Economic Development Zone, Hebei, China		Cangzhou KHStainless Steel Products Co., Ltd	
ST SMEs	Hebei Provincial Department of Science and Technology	KZX201512080198	Cangzhou KHStainless Steel Products Co., Ltd	28/October/2021-28/October/2024
HTE	Hebei Science and Technology Department, Hebei Finance Department, Hanoi Tax Bureau	GR202213001769	Cangzhou KHStainless Steel Products Co., Ltd	18/October/2022-18/October/2025
SEMHW	The bureau of Ecology and Environmen		Cangzhou KHStainless Steel Products Co., Ltd	31/December/2024-31/December/2027
Government Quality Award	Management Committee of Hebei Cangzhou Economic Development Zone		Cangzhou KHStainless Steel Products Co., Ltd	February/2025

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**LRQA** Certificate No. 832000875-W0-1

**CERTIFICATE**  
In accordance with the requirements of AD2000 W0

This is to certify that the Quality System of

Name of Manufacturer/Applicant: Cangzhou KH Fittings Corp.  
Address: No. 31, Juhé East Road, Economic Development Zone of Cangzhou City, Hebei Province, Extension Site: No. 52, E Juhé Road, Economic Development Zone of Cangzhou City, Hebei Province, People's Republic of China

has been examined by LRQA Nordford B.V. and provided evidence of fulfilment of the requirements according to:

AD 2000-Merkblatt: W 0  
Type of Material: Metal Material for Pressure Equipment  
Product description: Manufacture of stainless steel valve parts and stainless steel pipe fittings  
For details see Annex I.

Approval is subject to the continued maintenance of the quality system in accordance with the requirements of the above-mentioned code.

Initial Approval: 9 August 2022 Certificate expiry date: 16 January 2027

Shanghai, 17 January 2024  
Aifeng Yao  
New, Signature and Stamp

LRQA is a member of the International Register of Certificated Auditors (IRCA) and is authorised to issue certificates in accordance with the requirements of the International Register of Certificated Auditors (IRCA) and the International Register of Certificated Auditors (IRCA) and is authorised to issue certificates in accordance with the requirements of the International Register of Certificated Auditors (IRCA) and the International Register of Certificated Auditors (IRCA).



شهادة مطابقة للمنتجات الخاصة للوائح

**Certificate of conformity for regulated products**

We (.....SES Gulf Ltd ROHQ.....) office number (.....00204.....) are bearing full responsibility for the product described below in conformity to the conformity assessment procedure. Conduct the relevant technical regulations and standards which mentioned during this certificate.

Certificate Number	09312-002-24-1329382	Issue Date	11/03/2024	Expire Date	11/03/2025
Certificate Type	Product Conformity Certificate (COC)	Commercial Registration No	403020989 / 701472541		
Establishment Address	3661 3661-22337 ح.د				
Product and Manufacturer Data					
Model type	ELBOW,TEE,CROSS,COUPLING,NIPPLE,PLUG,CAP,BUSHING	Trade Mark	K H		
Product Name	SS THREADED FITTINGS				

31104\_3181PM Show Certificate

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Certificate Number	09312-002-24-1329316	Issue Date	11/03/2024	Expire Date	11/03/2025
Certificate Type	Product Conformity Certificate (COC)	Commercial Registration No	403020989 / 701472541		
Establishment Address	3661 3661-22337 ح.د				
Product and Manufacturer Data					
Model type	BALL,GATE,GLOBE,CHECKY-STRAINER	Trade Mark	K H		
Product Name	STAINLESS STEEL VALVES				

31104\_3181PM Show Certificate

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Product and Manufacturer Data					
Model type	BALL,GATE,GLOBE,CHECKY-STRAINER	Trade Mark	K H		
Product Name	STAINLESS STEEL VALVES				

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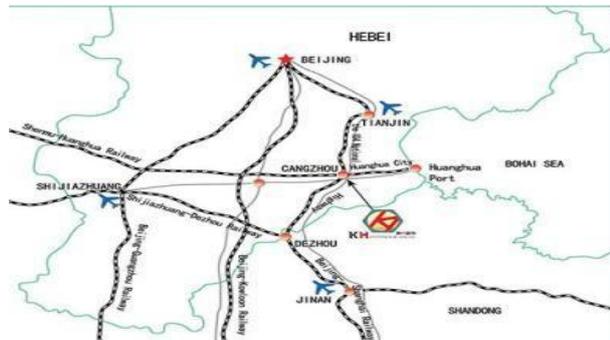
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## Section4: Current Export Situation

### 4.1 Current Export basic information

Does the Corporate have a valid export license? Yes No  
 Export License Registration No.: 911309007454046596  
 Nearest port: Tianjin, Qingdao

(Only 2 hours drive from Tianjin Airport to the factory site,Welcome to visit us!)



Trade agents employed overseas: Yes No  
 Accepted payment terms: FOB CIF EXW CFR  
 Accepted payment type:  L/C T/T  Credit Card Cash West union

Average lead time from product order confirmation to production delivery (products exiting the factory): Three months

### Market Distribution (2024 annual data)

Market	Main Product(s)	Sales Volume (Tons)	Market Share(%)
Europe	150lbs S/S Pipe Fittings & S/S Valves	1100	68%
Asia	OEM product &S/S Valves	350	22%
America	150lbs S/S Pipe Fitting & S/S Valves	110	7%
Africa	150lbs S/S Pipe Fittings & S/S Valves	50	3%
TOTAL		1610	100%



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## Section 5: Production Capacity and Equipment

As a technology-driven leader in the manufacturing sector, we adhere to the core philosophy that "Reliability stems from technology, and superior products originate from first-class facilities and environments."

Standard factory areas, clean workshops, clear process guidance, standardized management procedures, and modern reasonable manufacturing processes produce excellent and superior products.

All critical production equipment and inspection devices undergo annual external calibration by accredited local authorities in Vietnam, obtaining calibration certificates to ensure measurement accuracy and compliance with ISO9001 standards. The company also implements preventive maintenance programs, including: daily checks quarterly reviews and annual overhauls to guarantee 99.8% equipment uptime and traceability to Vietnam National Metrology Institute (VMI) standards.



Coordinate measuring machine



Impact testing machine



Valve leak test machine



Spectrum analyzer



Tensile strength tester



Brinell hardness tester

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### 5.1 Production Capacity

Product Name	Casting Capacity	Machining capacity
Stainless Steel Pipe Fitting and Vavles	2160 tons per year	2880 Tons per year

### 5.2 Production Equipment

Equipment Name	Quantity	Condition
Injection Machines	16	Acceptable
Float Sand Machine+Sand Blasting Machine	29+6	Acceptable
Dewaxing Kettle	2	Acceptable
Intermediate Frequency Machine+Roasting Furnace	4+4	Acceptable
Shot-Blasting Machines	19	Acceptable
Cutting+Grinding+Shaping Machines	10+13+3	Acceptable
Sandblasters	5	Acceptable
CNC Lathes+Engine Lathes	91+3	Acceptable
Machining Centers	6	Acceptable
Tapping Machines+Milling+Drilling Machines	12+3+4	Acceptable
Pipe Cutting+Torque Test+Forming Machines	2+2+2	Acceptable
Air Pressure Leak+Water Pressure Detector	2+1	Acceptable
Laser Marking Machines+Inkjet Printers+Wrapping Machines	2+4+1	Acceptable
6-Axis Industrial Robots	7	Acceptable
Automatic Clean Line	3	Acceptable
Shell DryingLline	2	Acceptable

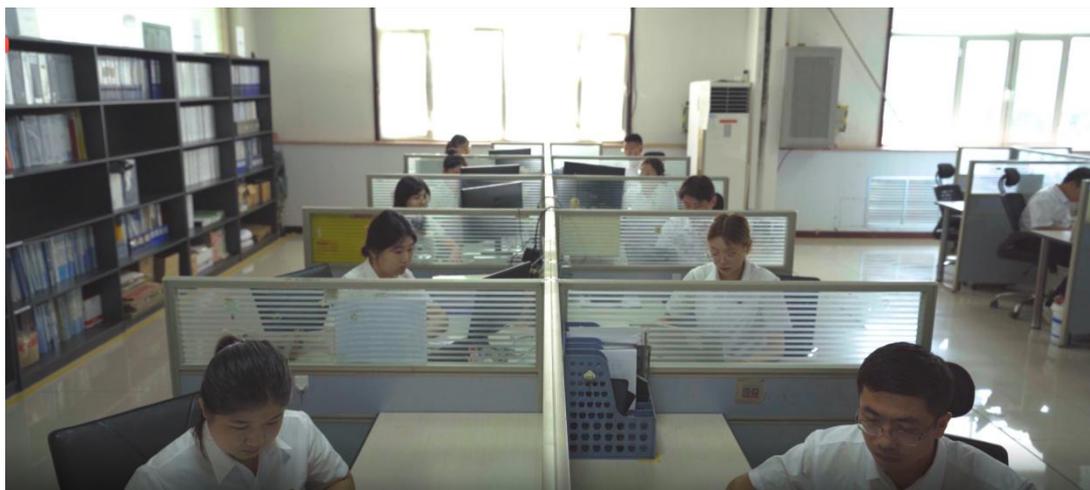
### 5.3 Testing equipment

Equipment Name	Quantity	Condition
Coordinate Measuring Machine	1	Acceptable
Tensile Strength Tester	1	Acceptable
Hardness Testers	1	Acceptable
Impact Testing Machine	1	Acceptable
Metallographic Tester	1	Acceptable
Spectrum Analyzer	2	Acceptable
Valve Leak Test Machine	3	Acceptable
Impact Sample Notch Projector	1	Acceptable
Impact Test Low Temperature Tank	1	Acceptable

## Section 6: Human Resources

We believe our employees are our greatest asset. That's why we provide structured training and development programs, especially for new hires, covering technical skills, mentorship, and cross-department collaboration. We promote continuous learning through certifications, workshops, and knowledge-sharing to keep pace with industry trends. Clear career paths and performance evaluations help employees grow in technical or managerial roles.

Our team consists of 5% technical experts (key innovators with advanced training), 6% sales professionals (trained in market trends and CRM), the proportion of our quality inspection team is 12%, and quality control specialists ensuring product reliability. We foster a flexible, collaborative workplace, recognizing achievements in technology, sales, and quality through incentives and team celebrations—driving sustainable growth in a supportive environment.



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# Section 7: Product

Product Range		
<p>1. Pipe fittings made from casting</p>	<p>2. Pipe fittings made from pipe</p>	<p>3. Stainless steel valves</p>
<p><b>PIPE FITTINGS MADE FROM CASTING</b>  <small>DESIGN STANDARD: ISO1144 EN10241 SP-114 ANSII/BSKH STANDARD            CASTING STANDARD: ASTM A351 SIZE: 1/8"-6"            MATERIAL: STAINLESS STEEL THREAD: ISO711(BSP/DIN2999),NPT,ISO228</small></p> 	<p><b>PIPE FITTINGS MADE FROM PIPE</b>  <small>DESIGN STANDARD: DIN2900 DIN2902 EN10241            PIPE STANDARD: ASTM A312 SIZE: 1/8"-6"            MATERIAL: 304 /304L / 316 /316L /316Ti THREAD: ISO711(BSP/DIN2999),NPT,ISO228</small></p> 	<p><b>VALVE</b>  <small>SIZE: 1/4"-4"            MATERIAL: STAINLESS STEEL            THREAD: ISO711(BSP/DIN2999),NPT,ISO228</small></p> 
<p>4. Stainless/carbon steel/alloy OEM product</p>	<p>5. Stainless/carbon steel/alloy OEM product</p>	<p>6. Stainless/carbon steel/alloy OEM product</p>
	<p><b>OEM PRODUCTS</b>  <small>TECHNOLOGY: INVESTMENT CASTING            MATERIAL: STAINLESS STEEL, CARBON STEEL, ALLOY</small></p> 	<p><b>OEM PRODUCTS</b>  <small>TECHNOLOGY: INVESTMENT CASTING            MATERIAL: STAINLESS STEEL, CARBON STEEL, ALLOY</small></p> 
<p>7. Stainless steel sanitary fittings &amp; clip, etc.</p>	<p>8. Stainless steel sanitary valves &amp; flanges, etc.</p>	<p>9. Quick coupling and butt weld</p>
	<p><b>SANITARY VALVES AND FITTINGS</b>  <small>STANDARD: DIN29115/DIN29116/DIN29117/DIN29118/DIN29119            MATERIAL: STAINLESS STEEL            SIZE: DN10-DN150</small></p>  <p><b>FLANGE</b>  <small>STANDARD: DIN29115            SIZE: DN10-DN600            MATERIAL: STAINLESS STEEL, CARBON STEEL</small></p> 	<p><b>QUICK COUPLING</b>  <small>TYPE: A B C D E F G H J K L            MATERIAL: STAINLESS STEEL</small></p>  <p><b>BUTT WELD FITTINGS</b>  <small>SIZE: 1/4"-24"            MATERIAL: STAINLESS STEEL, CARBON STEEL</small></p> 

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# Section 8: Process Flow

8.1 Casting Process: Wax production process → Sand shell making process → Steel making process → Sand shell cleaning process → Surface treatment process → Inspection process → Casting warehouse



Mould making



Wax injection



Repairing wax burr



Dewaxing



Sand-shell making



Assembling wax tree



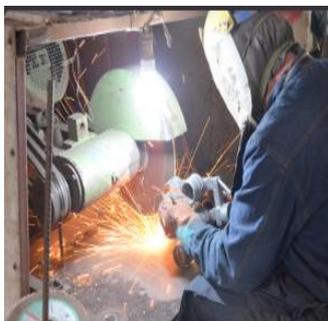
Raw material



Sand shell roasting and steel melting



Material composition chemical test



Cutting



Knockout



Pouring

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Grinding



Shot blasting



Heat treatment



Inventory of casting products(Warehouse)



Process inspection



Acid washing

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## 8.2 Machining Process From Casting Products:

Machining → cleaning → inspection (leak, thread, surface, angle) → print → package → shipment



Casting product inspection



Robot machining (CNC)



Manual machining (CNC)



Cleaning



Tapping machine



Machining center



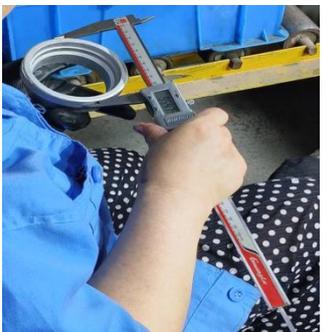
Assembling



Air & water pressure test



Surface inspection



Dimension inspection



Thread inspection



Angle inspection

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Printing



Package



Shipment

### 8.3 Machining Process From Steel Pipe:

Pipe test → Cutting pipe → Machining → cleaning → assembling → inspection (leak, thread, surface, angle) → print → package → shipment



Incoming pipe test



Cutting pipe by sawing machine



Cutting pipe by pipe cutting machine

Subsequent machining operations replicate casting workflow from earlier production phases, so omitted.



Robot machining (CNC)



Manual machining(CNC)

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## Section 9: Quality Assurance

Inspection Step	Responsible Person	Inspection Content
Incoming Raw Material Inspection	Incoming Inspector	Appearance, dimensions, and material
Wax First Piece Inspection	Wax Leader	Appearance and dimensions
Wax Part Self-Inspection	Operator	Appearance and dimensions
Full Inspection of Wax Parts	Wax Inspector	100% appearance inspection
Group Tree First Piece Inspection	Wax Supervisor	Grouping method and grinding head
Spectrometer Material Check	Lab Inspector	Spectrometer material composition analysis
Casting First Inspection (Before Pickling)	Foundry QC	Appearance inspection
Mechanical Property Testing	Lab Inspector	Tensile, hardness, impact, and metallographic tests
Casting Secondary Inspection (After Pickling)	Foundry QC	Appearance, dimensions, and material
Machining First Piece Inspection	Machining Foreman	Appearance, dimensions, threads, material
Machining Self-Inspection	Machining Operator	Appearance, dimensions, threads
Air & water Pressure Testing	Leakage Inspector	Hydraulic and pneumatic testing
Coordinate Measurement Inspection	CMM Operator	Size, shape, position, deformation
Final Product Inspection	Final Inspector	Appearance, angle, threads, dimensions
Packaging Inspection	Packaging Director	Quantity and method of packaging
Shipping Document Audit	Quality Supervisor	Completeness and traceability of records and reports

Our comprehensive quality assurance system spans the entire production life cycle, ensuring exceptional precision and dependability.

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## **KH: Your Trusted Chinese Partner in Investment Casting and Machining field**

Creating Shared Value, Building Global Futures

As an innovation leader in Chinese stainless steel piping component manufacturing, we remain customer-centric, dedicated to delivering premium-grade hardware fittings and customized solutions. Leveraging advanced manufacturing technologies, stringent quality control systems, and a global service network, we have successfully empowered 100+ enterprises to optimize supply chain efficiency and achieve cost reduction with enhanced productivity.

We firmly believe:

- Precision Demand Matching - End-to-end collaboration from product design to mass production
- Technology-Driven Empowerment - Shared industry frontiers and co-developed innovations
- Global Service Assurance - + 3 overseas warehouses with 24/7 rapid response

Collaboration Invitation

### **Corporate Address**

No. 31 and 52, E Jiuhe Road, Economic Development Zone of Cangzhou City, Hebei Province, People's Republic of China.

### **Global Connectivity**

- **Hotline:** +86 137 0317 6300 or +86 188 3375 2786  
(China Time: 8:00 AM - 6:00 PM, 7 Days/Week)
- **Email:** ok@czfittings.cn or kh04@czfittings.cn
- **Website :** www.Stainlessfittings.com.cn

### **Let's Co-Create Value**

We invite you to:

Schedule a virtual factory tour with our CEO

Free samples could provide

Download our 2025 Product catalogue

Learn more information through video or on-site factory inspection

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