



Kingdom

FLOW CONTROL CO., LTD.



COMPANY PROFILE

Profile

Being serving the industry for over 40 years, Kingdom Flow Control ("KI") has supplied products for various integrated application. KI's headquarter is located in Taiwan with its two factories of 100% Taiwanese capital operated in mainland China.

KI is a process-oriented, start-to-finish manufacturer. A fully vertical integrated production system is executed in our own foundries (design, casting, machining, assembly and testing 100% executed in house) to provide consistent high quality and on-time delivery. Complete accreditations verify that KI products and managerial systems comply with major international industrial standards.

KI Group



Headquarters & International Sales

Kingdom Flow Control Co., Ltd.(Taiwan)

Established
Activities

June, 1973
Sales and Marketing of valves, mechanical parts and related products in the overseas markets



Zhongshan Factory Kingdom Flow Control Co., Ltd.(Zhongshan, China)

Established
Floor Area
Employee
Capacity
Activities

May, 1991
24,400 square meter
563
2,700 metric tons annually
R&D and Manufacturing of valves, fittings, OEM mechanical castings and related products.



Fujian Factory

Kingdom Precision Casting Co., Ltd.(Fujian, China)

Established
Floor Area
Employee
Capacity
Activities

April, 2001
28,400 square meter
585
3,000 metric tons annually
Manufacturing of valves, fittings, OEM machined castings and related products Production Process.



Vietnam Factory

Kingdom Flow Control (Vietnam) Co., Ltd.

Established
Floor Area
Employee
Capacity
Activities

Year 2019
Casting shop: 34,000 m²
Machining shop : 16000m²
550 (planned)(stage 1)
3,300 metric tops annually (planned)
Manufacturing of fittings and valves



CNC Machinery

Kingdom CNC Machinery Co.,Ltd.(Suzhou, China)

Established
Floor Area
Employee
Activities

April, 2012
26,500 square meter
110
Manufacturing of vertical machining center, horizontal machining center, horizontal CNC lathe and robotic arm.
Agent for OKUMA machine tools centers and KUKA Robotics.

Product Lines

Valves

Ball Valves

- 150# / 300# / 600# / PN 10-40 / JIS 10K-20K 2-PC Flanged End
- 3-Way / 4-Way Flanged and Screwed Ends
- 1-PC Uni-Body / Wafer Type Flanged End
- 1000/2000 WOG Screwed, BW, SW and Flanged End

Metal Seated Ball Valves

- 150# / 300# / PN 10-40 / JIS 10K-20K Flanged End

Trunnion Mounted Ball Valves

- 150# / 300# / 600# / PN 16-100 Flanged and BW Ends

Top Entry Ball Valves

- 150# / 300# / 1PC Flanged End
- 600# (PN 100) 1PC Screwed, BW and SW

Steam Jacket Ball Valves

- 150# / 300# 1PC Flanged End

Sanitary Valves

- Clamp, Screwed, BW and Quick Coupling Ended

Gate, Globe, Check Valves

- 150# / PN 16-100 Flanged and BW Ends

Control Valves

- 150# / 300# / 600# / PN 16-100 / JIS 10K-40K Flanged, BW and SW End
- Angle/Cage/Bellows Seal Single-Seated Control Valve

Cryogenic Ball Valves

- Low temperature & Cryogenic ball valves
- 2-PC Body, Class 150/300 & DIN PN 16/40 Flanged End
- 3-PC 1000WOG, Welding End, Full Port

Actuators & Accessories

- Pneumatic & Electric Actuators
- Solenoid Valves
- Limit Switches

Lined Ball Valve

- 2-PC Body, Class 150/PN 16 Flanged End

Triple Offset Metal-Seated Butterfly Valves

- Wafer & Flange Type
- 150#/300#/PN 16



Mechanical Parts

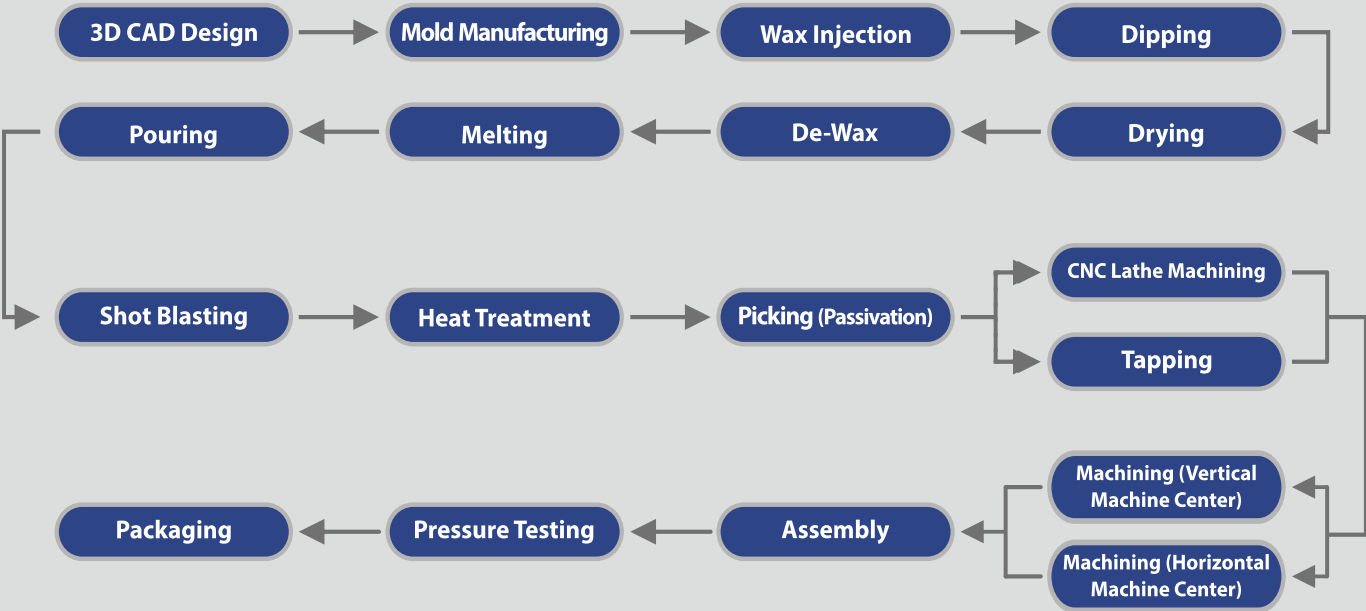


Pipe Fittings



Integrated Production

KI employs a fully vertical integrated production system incorporating design, pattern making, casting, machining, inspection and export. All operations are accomplished at one location to assure consistent quality and on-time delivery.



Testing Equipments

KI has built its business into a world-class enterprise by building its brand through consistent quality, capacity and customer service. Our corporate philosophy built around research, development, innovation, service, teamwork, sharing and achievement will continue lead KI products into the future!

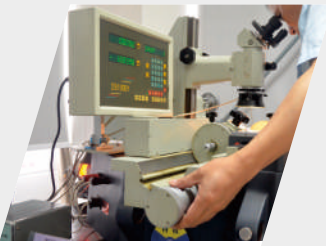
List of Production Equipments

| | |
|---|--------|
| CNC Lathe | 251 |
| CNC Lathe manipulator | 4 |
| Converyer Type Heat-Treatment | 1 |
| Heat-Treatment Furnace | 13 |
| High Frequency Induction Furnace | 14 |
| Horizontal Machine Center | 4 |
| Passivation Process Equipment | 2 |
| PROCAST Simulator System | 1 |
| Vertical Machine Center | 13 |
| Wax Injection Machine(Manual Type and Automatic Type) | 47 |
| Drilling Tapping Machine | 31 |
| Pre-heat Furnace For Shell Mold | 20 |
| Triaxial Tapping Machine | 58 |
| Conveyer Dryer | 12000M |
| Shall Mold Producton System (KUKA) | 4 |
| Automatic & Semi-automated Equipments (De-waxing; Shot Blasting, Pickling, Ultrasonic Cleaning Machines) | 10 |

| | |
|--|----|
| 14"Horizontal Beam Optical Comparator | 2 |
| Charpy Impact Testing Machine | 2 |
| CMM-2 Coordinate Measuring Machine | 1 |
| CMM-3 Coordinate Measuring Machine | 1 |
| Fire Safe Testing Equipment | 2 |
| Flow Cv Testing Equipment | 1 |
| High Pneumatic Pressure Testing Machine(50 Bar) | 1 |
| High Hydraulic Pressure Testing Machine(700 ~1500Bar) | 2 |
| Torque Testing Machine (500~1200Nm) | 2 |
| Magnetic Testing (MT) Equipment | 2 |
| Metallurgical Microscope (with Digital Camera) | 3 |
| Radiogrphic Examination(RT) Equipment(X-Ray) | 2 |
| Roundness Measuring Instrument | 1 |
| Salt Spray Test Chamber | 1 |
| Spectrometer (Type:Spectrolab M9; Manufacturer: Spectro) | 5 |
| Test Table of Hydraulic Valve (1/2"-16") | 10 |
| Universal Testing Machine (Tensile, Yield Strength...etc) | 2 |
| Valve High/Low Temperature Test and Low Leakage Test Equipment | 1 |
| Valve Life-Cycle Test Machine | 1 |
| Universal Tool Microscope | 3 |



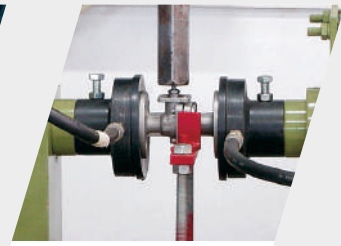
Spectrometer



Universal Tool-Maker's Microscope



CMM



Valve Life-Cycle Test Machine



Universal Testing Machine



Black Light Inspection



Low-temperature Testing Chamber



Fire Safety Testing



Roundness Testing Instrument



Flow Cv Testing

Available Materials

(Meet ASTM, DIN and JIS)

| | | |
|-----------------|------------|--|
| Stainless Steel | ASTM, AISI | CF3 (304L) CF3M (316L) CF8(304) CF8M(316) CF8C(347) CG8M(317) CG3M(317L) CN7M(Alloy 20) CN3MCu Duplex(CD3MN,CD4MCu) Super Duplex(CE3MN,CD3MWCuN) |
| | JIS | SCS13A SCS14A SCS23 SCS16A SCS19A SCS21 |
| | DIN | 1.4308 1.4404 104408 1.4470 1.4306 1.4304 1.4536 1.4552 |
| Carbon Steel | ASTM | WCB WCC LCC LCB |
| | JIS | SCPH2 SC450 SC480 |
| | DIN | 1.0619 1.0625 1.6220 |
| Alloy Steel | | WC5 WC6 WC9 C5 C12 LC3 |
| Nickel Alloys | | Monel (M35-1, M35-2) Hastelloy B and C |

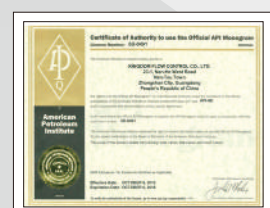
Quality Assurance

KI has implemented Total Quality Management (TQM) to maintain a high level of quality control. Combined with Statistical Process Control (SPC) techniques, we vigorously monitor the elements that might affect the quality of the production known as 5M1E. Total Productive Maintenance (TPM) and 6S management system tools ensure KI's efficient performance and consistent quality.



Certifications

- ISO 9001
- ISO 14001
- ISO 45001
- API 6D
- PED 2014/68/EU Annex III, Module H
- AD 2000 W0 Casting Approval
- AD 2000 HP0
- AD 2000 A4
- Lloyd's Register Casting Approval
- DNV Casting Approval
- SIL 3
- ISO 15848-1
- TA-Luft 2002
- API 607 / ISO 10497 (Fire Safe)
- ATEX
- CRN
- TR CU 010



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Fujian Factory

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Vietnam Factory

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KI-CP 202008 (3.0)
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