

KUZE is a pioneer of high-quality pipe fittings for semiconductors, foods, and chemical plants. "KUZE, the Manufacturer of Stainless Steel Fittings "

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- Marketing Contact / Tomohiro Asao (Sales Manager)
- Quality Contact / Shinya Yoshida (Quality Control)
- Capital / 10 million Japan Yen
- Number of Employees / 135 (M : 117 F : 18 Average age : 37.9)



■ Major Products

Butt-Welded Stainless Steel Fittings, Clean Fittings,
Sanitary Fittings, 45° Elbows, 90° Elbows, 180° Elbows,
Reducers, Lap-Joint Stub Ends, Tees, Caps and Clean Headers

■ Major Clients (in alphabetic order)

Semiconductor industry related companies
Electric power related companies
Petrochemical industry related companies
Heavy industry related companies
Food and Beverage manufacturing related companies
Pharmaceutical manufacturing related companies



■ Certifications

ISO9001, JIS Q 9100, JIS B 2312

Equipment		Unit	Equipment		Unit
Elbow Forming Device	1/4"~12"NB	7	Multi-purpose Testing Machine	RH-50	1
Reducer Forming Device	6mm~12"NB	3	Surface Roughness Gauge	SURFCOM570A	1
Stub End Forming Device	1/2B~8B	8	Helium Leakage Detector	ULVAC 704W2	1
Tee Forming Device	6mm~8B	4	Bore Scope	IPEX-LX, etc.	3
Hydraulic Press Machine	200KN~6000KN	12	Ion Chromatography Analyzer	ICS-1100	2
Elbow/Pipe Ends Milling Machine	3/8B~12B	12	Electric Conductivity Meter	ES-12 3551-100	1
Vertical CNC Machining Ctr.	MC-800VG II, etc.	32	Particle Counter	RASAIR-110	1
Auto. Band-Sawing Machine	H250SA~H550E II	11	Oil Concentration Analyzer	OCMA-505-H	1
Vacuum Annealing Furnace	GQ-3C-61/46/91	1	Dew Point Recorder	MMS35-211-1	1
Batch-fed Electric Furnace	35KW/Hr, 56KW/Hr	2	Ultrasonic Thickness Gauge	25DL	1
Auto/Manual TIG Welding Machine	MODEL207, 207A, etc.	8	Auto. Dimension Recorder	Mitutoyo	2
Laser Marking System	MD-F3020, X1500, etc.	4			
Auto.Degreasing/Pickling Device	1/4"~12"NB	2			
Electrolytic Polishing Device	1/4"~100A	2			
Clean Room/Super Mechanical Cleaning	Classes 10, 100, 1000	1			



■ Core Technology and Expertise

KUZE makes full use of its highly-regarded plasticity processing expertise to produce pipes and fittings of large diameters, thin-walles, and super-fine tubes, all with ultra-high precision and excellent sterility. KUZE's wide variety of pipes and fittings are incorporated in various semiconductor production devices, biological and medical applications, and used at nuclear power plants, oil refinery plants, etc. KUZE responds to the needs of any industry with cost-saving plans, high product qualities, and short delivery terms. KUZE successfully developed fittings in titanium with its proprietary bending technique, which has enabled production of ultra-thin titanium fittings just 0.63 mm thick. KUZE will continue to seek further technology development to advance into new business fields.

■ Selling Points

Plasticity Processing Technique

- KUZE makes ultra-thin titanium fittings characterized by;
 - Minimum thickness at bends : 0.63 mm
 - Limitless tweaking and altering of the bending angles
 - Ultra-small bending R
 - No wrinkles or cracks at bends, while maintaining stable thickness
- KUZE processes such hard-to-process materials as stainless steel, high-nickel alloys, and aluminum alloys.

Quality Control System

JIS Q 9100, AWS D17.1 (Welding standard, complied to)

■ Prospects

Processing parts for aircrafts and medical equipment

■ Special Notes

KUZE's Work Sizes for Processing Titanium Fittings

- Bending R: from 2D to 3D (1 to 1.5D as well, depends on the bending angle)
- Outside Diameter : from 25.4 to 127.0 mm
- Thickness: from 0.7 to 1.0 mm
- (For less than 0.7 mm, please feel free to contact us.)
- Total Length: up to 800 mm

■ Others

KUZE has accumulated expertise in manufacturing pipes, fittings and tubes in hard-to-process materials, e.g. titanium and high-nickel alloys. Also, KUZE has been certified with JISQ9100, aerospace quality management system qualification, since 2013. Advanced processing capability combined with complete quality control is always required in the aerospace industry. That's the field KUZE keeps challenging with continuous technical and quality improvement.