

34 COMPANY PROFILE

Kouwa-tec Co., Ltd.  Kouwa

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Contact Person Toshinobu Hayashi
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Capability Category Precision processing
Prototype
JIGs



Representative Toshinobu Hayashi

Sales Amount US\$8.9M (¥112/\$)

Capital US\$90K (¥112/\$)

Employees 25

Established 1965

Certification ISO9001 JISQ9100

Major Customers ShinMaywa
NIPPI
Nidec
Shimadzu Corporation

Business Overview

1. Semiconductor
 - Robot-related parts used in clean rooms.
 - Sensor body for gas accumulator.
2. Aerospace
 - Rib parts incorporated into the main wings of commercial aircraft.
 - Parts used for satellites and defense.
3. Medical
 - Auxiliary equipment parts used below the knee.
 - Parts to be incorporated into the spine.
4. Other precision parts related to hydrogen and drones.



Products • Materials • Part Sizes •

Facilities & Equipment

[Products] Aerospace parts, medical parts, semiconductor manufacturing equipment and transport equipment parts.

[Materials] Aluminum(A5052 A7075 etc.)Difficult-cut materials(titanium inconel 15-5ph SUS316L etc.)Others (resin aluminum bronze etc.) Casting Forging

[Parts size] Plates ~2000mm Round Bar φ800

[Facilities]

Machine	Model name	Maker	Number	Machine
5-axis vertical spindle machining centers	D500	Makino Milling Machine Co.,Ltd	1	550*1000*500 21APC
	D300		1	300*500*350 13APC
	V55-5XA		1	900*460*450
	V33-5XB		1	650*325*350
4-axis horizontal spindle machining centers	A-77	Matsura Machinery Corporation	1	900*800*1020 2APC
	a51nx		2	540*640*640 2APC
	a82		1	1100*820*1020 2APC
	a81		2	900*900*1020 2APC
4-axis vertical spindle machining centers	VX-1500	Matsura Machinery Corporation	3	1524*700*610 (Add 1-axis)
5-axis vertical spindle machining centers	MILLAC-1052V	Okuma Corporation	1	2050*1060*800 (Add 2-axis)
4-axis horizontal spindle machining centers	MILLAC-525H		1	520*450*520 2APC
	MA-60HB		1	1000*900*1000 2APC
NC lathe	LB3000EXII	CITIZEN MACHINERY CO., LTD	2	8 inch Max Φ410mm Max length500mm
automatic lathe	L20E-VIII 5-axis		1	Workpiece diameter φ4mm to φ20mm Max work length 80mm
electropolishing	ECF-115-NO1	CHUO SEISAKUSHO.LTD	1	-
CNC 3-dimensional measuring device	SVA1220A	TOKYO SEIMITSU CO.,LTD	1	1200*2000*1000
CNC 3-dimensional measuring device	BRIGHT910	Mitutoyo Corporation	1	900*1000*600
CAD/CAM	HYPER MILL	OPEN MIND	3	-
CATIA V5	V5-6R2018	Dassault System	1	-
CNC machine simulation	Vericut	CG Tech	1	-

Our Strength

[Aerospace Parts] We mainly process complex shapes, thin materials, and shapes that are easily distorted, and we flexibly handles everything from prototyping to mass production by combining a 5-axis machining center and a multi-sided pallet.

[Medical Parts] It is possible to receive an integrated order from materials to surface treatment, mainly for spinal implants and artificial limbs.

[Semiconductor] We have built a management system that guarantees quality of 5μm or less and does not allow scratches, and consistently handles everything from materials to surface treatment and polishing. We accept orders and provide stable QCD.

Needs we can correspond / Business partners we want

- We can handle a wide range of materials from aluminum to difficult-to-cut materials, and we can meet deadlines and costs by eliminating jigs and processes.
- We can handle everything from materials to processing and surface treatment.
- We can handle special processing such as helical processing, burnishing processing, and electropolishing, which are necessary for processing semiconductor and vacuum parts.
- We have a track record of processing inconel718 in the trial processing of aircraft engine cases for the needs of companies involved in engines and defense. From the design and production of jigs and cutting tools to the processing of difficult-to-cut materials and process management capabilities, we will utilize the know-how we have cultivated so far to expand into new fields.

Office & Plants

HEAD OFFICE: 13-1 Tmitsuka, Nunouchi, Ama-shi, Aichi 490-1202, Japan

IIDA OFFICE