

Digital Guide Sheet

Casting Forging	Stamping	Metalworking	Die	Resin	Electrical Electronic	Rubber	Prototype	Jig Tool	Equipment	Surface treatment	Others
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Company name Kuwana Seiko Co., Ltd.		Industry / Market segment Small precision processed metal parts	
Company representative Toshio Takeuchi		Location	296 Nishibessho, Kuwana-shi, Mie 511-0851
Capital	20 million yen	Annual sales	1,200 million yen
No. of employees	116	Certification	ISO9001, Approved medical device manufacturer
Business outline /Products		Customers / Suppliers	
Parts less than $\Phi 32$ processed by combined lathe Parts less than $\square 200$ processed by machining center Gears with m0.2 to 0.8		Shimano Co., Ltd. Panasonic Corporation CKD Co., Ltd.	
Overseas office		Overseas transaction	

Selling points

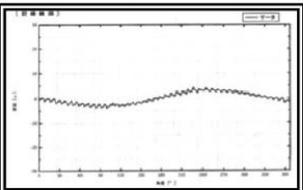
1. Making good use of precision machining techniques to produce small precision functional parts.
2. Ensuring stable quality and lead time through integrated processes from materials and in-house production of equipment, dies, tools and jigs.
3. Processing technologies, including cutting, stamping and grinding, and unit parts production by assembly.

Technology / Product details

Material: C3604
Module: 0.4
Pressure angle: 20°
Number of teeth: 40 teeth
Helical angle: 20 degrees right helical



Total pitch deviation: 8.1 μm
One-pitch deviation: 2.0 μm
JGMA116-2 (1983): Grade 0



1 chuck processing of 8 irregularly shaped cams on 1 axis
Material: SUS303
Size: $\phi 20$ L150



Two-stage gear assembled
Material: S45C + S45C
Size: $\phi 8$ - $\phi 15$



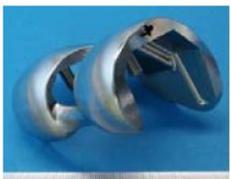
Screw machining using lathe
Material: A5056
Size: $\phi 25$ L30



1 chuck processing of grooving, drilling and end surface machining
Material: SUS304
Size: $\phi 15$ L35



Free-form surface machining
Material: Ti 6AL-4V
Size 50 x 50



Gear unit assembly
From machining to assembly of small reduction gear unit



Main equipment

NC lathe: 68 units (Cincom M32, etc.)
Machining center: 16 units (Matsuura RA1X, etc.)
Gear cutting: 42 units (Hamai 60SP, etc.)
Press: 5 units (AIDA 80T, etc.)

Vertical milling machine: 10 units (RIKEN, etc.)
Wire cut electric discharge machine: 2 units (Mitsubishi Electric DWC-90H, etc.)
CAD/CAM system: 7 units (MasterCam, Solid Works, etc.)
Various measurement instruments

Contact	Dept.	President and CEO	Person in charge	Toshio Takeuchi
	TEL	0594-22-6223	FAX	0594-23-4186
	URL	http://www.kuwanaseiko.co.jp/en/index.html	E-mail	t-takeuchi@kuwanaseiko.co.jp