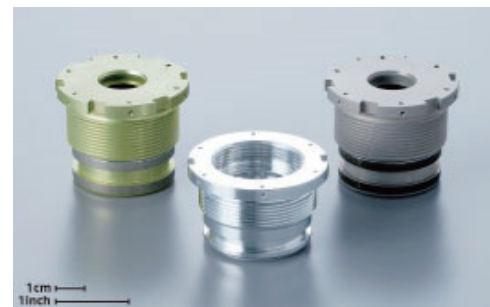
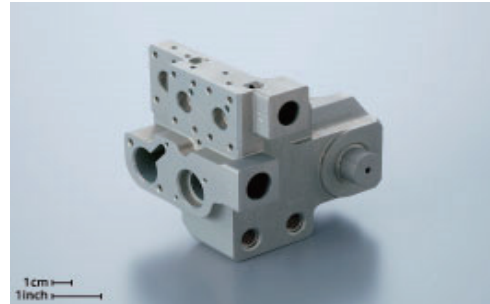


Takabayashi Challenges the Future, Innovates Technology



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- Marketing Contact / Hideaki Kawashima (Sales Section)
- Quality Contact / Kenji Adachi (QA Section Chief)
- Capital / 25 million Japan Yen
- No. of Employees / 92 (M : 74 F : 18)



Major Products

Hydraulic equipment parts Construction machinery parts
Aircraft parts Industrial machinery parts

Major Clients

- Manufacturers of;
- Hydraulic equipment
 - Construction machinery
 - Aircraft equipment
 - Industrial machinery

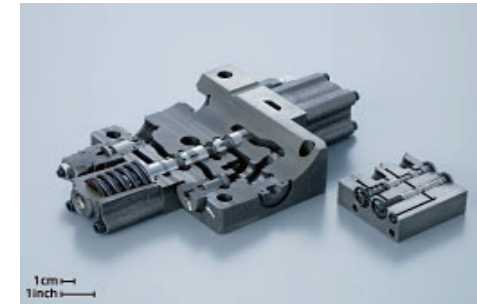
Certifications

JIS Q 9100 (2016)
Nadcap accredited for NDT, SE, and CMSP

Equipment		Unit	Equipment		Unit
CNC Lathe	max. $\phi 100$ (spec.: $0.1\mu\text{m}$)	2	CNC Internal Cyl. Grind. Machine	max. $\phi 200$ (spec.: $0.1\mu\text{m}$)	3
"	max. $\phi 350$ (with 3 robots)	1	" (2-axis)	max. $\phi 50$ (spec.: $0.1\mu\text{m}$)	2
"	max. $\phi 50$ (IG axis & loader)	3	"	max. $\phi 100$ ($0.1\mu\text{m}$, w/ rob.)	2
CNC Combined Lathe	max. $\phi 250$ (mill axes: 16)	2	CNC Surface Grind. Machine	$350 \times 1,200$ (incl. $0.1\mu\text{m}$)	1
" (mill axes 40, 5-face)	max. $\phi 540$ (mill axes: 40)	1	Horizontal Honing Machine	$\phi 1$ to $\phi 80$	5
Vertical Machining Center	max. $650 \times 1,250$, each	6	Vertical Honing Machine	$\phi 5$ to $\phi 30$	7
Horizontal Machining Center	max. 500×500 (10P) ea.	2	Automatic Honing Machine	$\phi 5$ to $\phi 30$ (w/ robot)	1
" (with U-axis function)	700×700 (6P)	3	Wirecut Ele. Dischg. Machine	$350 \times 500 \times 260$ (soaking)	1
"	FMS 560×630 each	2	Lapping Machine	$\phi 600$	2
5-face Machining Center	$\phi 700 \times 450$	3	Shot Peening Machine	AMS2430	2
5-face Machining Equipment	max. $\phi 410 \times 800$ (10P)	8	HP Cleaner, SS Cleaner		7
CNC Cyl. Grinding Machine	max. $\phi 250$ (spec.: $0.1\mu\text{m}$)	2	Hydraulic Test Stand		2
Cyl. Grinding Machine	max. $\phi 250$	13	CNC 3D CMM	CONTURA 7/10/6 ($700 \times 700 \times 900$)	1
Centerless Grinding Machine	max. $\phi 150$	2	ND Test (MP, PT)	ASTM E1444, ASTM E1417	1
Auto. Int. Cyl. Grind. Machine	max. $\phi 200$	1			

Core Technology & Expertise

Ultra-precision machining with $0.1\mu\text{m}$ CNC turning and CNC grinding (ID, OD, surface) is the area of TAKABAYASHI's expertise. Integrated production from machining to assembly is conducted with performance checks and function tests, as required. TAKABAYASHI is fully-equipped with non-destructive test apparatus for MP and PT tests and shot peening machines, to meet customer requirements for precision-machining of aerospace parts.



Selling Points

TAKABAYASHI's services range from material procurement to finishing, including precision-machining of parts for aircraft applications.

TAKABAYASHI makes your one-stop shopping processor.



Prospects

TAKABAYASHI's expertise in cutting small components and finishing including special processes ensures quality-machining of parts for aircrafts and medical devices to customer specifications.



Special Notes

- Sizes of work pieces
- CNC lathe: $\phi 540 \times 300$ mm
 - 5-axis machining center: $\phi 700 \times 450$ mm
 - 5-face machining equipment: $\phi 410 \times 800$ mm
 - CNC cylindrical grinding machine: $\phi 250$ mm
 - CNC internal cylindrical grinding machine: $\phi 200$ mm
 - Honing machine: $\phi 80$ mm

Hydraulic inspection test stands have been in use.

Others

TAKABAYASHI has established a fully integrated MTO system and its total management system, covering every step from material procurement of both domestic and imported materials to function testing, including machining, special processing and assembly.

