



Materials & Processing Range

Materials	Ferrous, Ductile cast iron	S45C/SCM415 (incl. HT, normalizing), SCM435, SS400, FCD450/600		
	Stainless steel	SUS303, SUS304, SUS316, SCS13 (Lost-wax)		
	Aluminium	A6061-T6, A2017, A5056	Brass	C3604
Processing Domains	CNC lathe (Bar works)	φ6~42mm (round bar), H.8~36mm (hexagon bar)		
	CNC lathe (Turning machine works)	Up to φ200mm		
	Tapping Centre / Machining Centre	Up to X. 700 x Y. 400 x Z. 480mm		

Production Machines & Inspection Equipment (As of 1 Jan. 2024)

Code	Manufacturer	Model	Model No.
1. CNC Lathe (NB: Bar-works) x 23 machines			
NB 1	Citizen-Cincom	Bar-work	A20-VIPL
NB 2	Citizen-Cincom	Bar-work	A20-VIPL
NB 3	Citizen-Cincom	Bar-work	A20-VIPL
NB 4	Citizen-Cincom	Bar-work	A20-VIPL
NB 5	Citizen-Cincom	Bar-work	A20-VIPL
NB 6	Citizen-Cincom	Bar-work	A20-VIPL
NB 7	Citizen-Cincom	Bar-work	A20-VIPL
NB 8	Citizen-Miyano	Bar-work	BNA-34S
NB 9	Citizen-Miyano	Bar-work	BNA-34S
NB 10	Citizen-Miyano	Bar-work	BNA-42S2
NB 11	Citizen-Miyano	Bar-work	BNA-42S2
NB 12	Citizen-Miyano	Bar-work	BNA-42S2
NB 13	Citizen-Miyano	Bar-work	BNC-42S2
NB 14	Citizen-Miyano	Bar-work	BNC-42C7
NB 15	Citizen-Miyano	Bar-work	BNC-42C7
NB 16	Citizen-Miyano	Bar-work	BNA42-SY
NB 17	Miyano	Bar-work	BNJ-34SY
NB 18	Miyano	Bar-work	BNJ-42S
NB 19	Miyano	Bar-work	BND-34S/8
NB 20	Miyano	Bar-work	BND-34S/8
NB 21	Miyano	Bar-work	BND-34C3/8
NB 22	Miyano	Bar-work	BNC-34C5
NB 23	Miyano	Bar-work	BNC-34C5

2. CNC Lathe (NC) x 26 machines

NC 1	Okuma	Chuck-work	LB2500EX II
NC 2	Okuma	Chuck-work	LB2500EX II
NC 3	Okuma	Chuck-work	LB2500EX II
NC 4	Okuma	Chuck-work	LB2500EX II
NC 5	Okuma	Chuck-work	GENOS L2000
NC 6	Okuma	Chuck-work	GENOS L2000
NC 7	Okuma	Chuck-work	GENOS L250 II
NC 8	Okuma	Chuck-work	GENOS L250 II
NC 9	Okuma	Chuck-work	GENOS L250 II
NC 10	Okuma	Chuck-work	GENOS L250 II
NC 11	Okuma	Chuck-work	GENOS L400 II
NC 12	DMG Mori	Chuck-work	CL-2000B
NC 13	DMG Mori	Chuck-work	CL-2000B
NC 14	DMG Mori	Chuck-work	CL-2000B
NC 15	DMG Mori	Chuck-work	CL-1500
NC 16	DMG Mori	Chuck-work	CL-1500
NC 17	DMG Mori	Chuck-work	CL-153
NC 18	DMG Mori	Chuck-work	SL-15
NC 19	DMG Mori	Chuck-work	SL-15
NC 20	Takamaz	Chuck-work	X-10
NC 21	Takamaz	Chuck-work	XL-100
NC 22	Takamaz	Chuck-work	GSL-15 PLUS
NC 23	Kitamura	Chuck-work	KNC-20F
NC 24	Hasegawa	Chuck-work	J24
NC 25	Miyano	Chuck-work	LE-01
NC 26	Nakamura-Tome	Chuck-work	TMC20

3. Machining Centre / CNCTapping Centre (ND) x 12 machines

ND 1	Brother - Speedio	Machining Centre	R450 X1N
ND 2	Brother - Speedio	Machining Centre	R450 X1N
ND 3	Brother - Speedio	Machining Centre	R450 X1N
ND 4	Brother - Speedio	Machining Centre	S500X2
ND 5	Brother - Speedio	Machining Centre	S500X2
ND 6	Brother	Drilling machine	TC-225
ND 7	Brother	Drilling machine	TC-S2A
ND 8	Brother	Drilling machine	TC-S2D
ND 9	Brother	Drilling machine	TC-S2D
ND 10	Brother	Drilling machine	TC-S2D
ND 11	Brother	Drilling machine	TC-S2D-O
ND 12	Brother	Drilling machine	TC-S2DN

Code	Manufacturer	Model	Model No.
4. Grinding Machine (G) x 8 machines			
G 1	PALMARY	Centreless grinder	PC-18S
G 2	Nippon Seiki		LSG-20
G 3	Tsugami	Cylindrical grinder	G18-II AB
G 4	Okamoto		MAX225UN-OD
G 5	Ichikawa	Rotary Surface grinder	2HT-700
G 6	Nisshin		NVG600-A
G 7	NKS	Buffing machine	NCB-50II
G 8	LEKAR	Barrel Grinder	LKH-LB200

5. Polygonal Chamfering Machine (ZP) x 3 machines

ZP 1	Nitto Polygon	Polygon	TC-125
ZP 2	Nitto Polygon	Polygon	PC-125
ZP 3	Nitto Polygon	Polygon	PC-100

6. Engine Lathe (EL)

EL 1	Machine Tool East Japan	Engine lathe (~ φ55mm)	KF-700
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7. Milling Machine (MM)

MM1	Makino	Milling machine	KPJ
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8. Bench Lathe (LB)

LB 1	Kitamura	Bench lathe	KL-20B
LB 2	Kitamura		KL-20M
LB 3	Kitamura	CNC Bench lathe	KNC-20F

9. Press Machine (P)

P 1	KSY	Press machine	KSY-075H
P 2	KSY		KSY-200H

10. Bench Drilling Machine (DB)

DB 1~11	Kira	Bench drilling machine	NSD-340, etc.
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11. Washing Machine (WM)

WM1	Daiko	Jet washer	YUSO-1
WM2	Skymen Cleaning	Ultrasonic washer	JP-100S

12. Material Cutting Machine (CM)

CM 1	COSEN	Cutting M.: up to φ250mm	R250-NC
CM 2	VN Seiki	Cutting M.: up to φ320mm	4232

13. Tool Grinder (DG)

DG 1	NR Giken	Drill grinder	PDM-20
DG 2	Ito	Carbide tool grinder	MFG (DP-2)
DG 3	Iida		YG-32
DG 4	Yodogawa	Grinder	FG205T
DG 5	Yodogawa		FG205S
DG 6, 7	Tanaka Import	Drill grinding machine	YN-09A
DG 8~10	Tanaka Import	Endmill grinder	YN-03A, 03B

14. Optical Measuring Machine / Instrument (ZI)

ZI 1	Accretech (Tokyo Seimitsu)	Surface roughness measuring instrument	SURFCOM 130A
ZI 2	Mitsutoyo		SJ-411
ZI 3	Accretech (Tokyo Seimitsu)	Roundness & cylindrical profile measuring machine	RA-114
ZI 4	Mitsutoyo		RA-1600M
ZI 5	Accretech (Tokyo Seimitsu)	Contour shape measuring machine	1710DX3
ZI 6	Accretech (Tokyo Seimitsu)	3-D coordinate measuring machine	XYZAX SVA NEX9/6/6-C6
ZI 7	Keyence	Image Dimension Measurement System	IM-8020, IM-8000
ZI 8~11	Mitsutoyo	Profile projector x 4 units	PJ-A3000, PJ-P2010A
ZI 12	Future-Tech	Hardness tester (Rockwell)	FR