

Gifu area CAD/CAM/CAE system configuration (As of March, 2016)

Type	Software	Version	OS	Quantity
3D CAD	NX	7.5	Win7	3
2D・3D CAD	TOPsolid/TOPmold	V6.10J	Win7	12
2D・3D CAD	Solid MX	V7L3	Win7	1
3D CAM	WORK-NC	V22	Win7	1
3D CAM	CimatronE	V12	Win7	1
3D CAM	MASTER-CAM	V8	Win7	1
3D viewer	3D Tascal X	V2	Win7	5
3D viewer	XVL Studio	V14	Win7	18
3D CAE	3D Timon	V9.2	Win7	1
3D CAE	Timon Mold Designer	3.1	Win7	1
3D Data Correction Software	CAD Doctor	EX 7.0	Win7	1

Miyagi area CAD/CAM/CAE system configuration (As of March, 2016)

Type	Software	Version	OS	Quantity
2D CAD	CAD SUPER	2015	Win7	11
3D CAD	Solid Works	2015	Win7	9
3D CAM	MASTER-CAM	X9	Win7	5
3D CAE	3D Timon	10	Win7	1

Gifu area Machine processing equipment (As of March, 2016)

Type	Model	Manufacturer	Capacity (max)	Quantity
Ultra-Precision 5-axis Freeform Generator	Nanotech-350FG	Moore	φ500 × 300mm	1
Ultra-Precision Aspherical Surface Lathe	ASP01	Fujikoshi	φ150 × 200mm	1
Ultra-Precision Lathe	M18AG	Moore	φ350 × 230mm	1
Ultra-Precision Freeform Generator	UVM-350 (B)	Toshiba Machine	350 × 220 × 150mm	1
Ultra-Precision Aspheric Surface Grinder	ULG-100D (5A)	Toshiba Machine	450 × 100 × 150mm	1
Electric Discharge Machine	EX8	Mitsubishi	300 × 250 × 250mm	1
Powder Electric Discharge Machine	EA22M	Mitsubishi	1,050 × 700 × 300mm	1
Wire-Cutting Electric Discharge Machine	FA20PS	Mitsubishi	500 × 350 × 300mm	2
NC Electric Discharge Machine	EDNC-156W	Makino	2,500×1,500×850mm	1
CNC 3D Measurement Machine	XYZAX FUSION NEX 7/5/5	Tokyo Seimitsu	650 × 500 × 450mm	1
Precision CNC 3D Measurement Machine	PRISM05	ZEISS	700 × 900 × 500mm	2
Non-Contact 3D Measurement Machine	UA3P	Panasonic	200 × 200 × 45mm (resolution 3 nm)	2
3D Surface Profiler	New View 6200	Zygo	XY range of motion ±50 mm (resolution 0.1 nm)	1
3D Surface Texture Measuring Instrument	CS5000	Mitutoyo	200 × 120 × 100mm (resolution 2 nm)	1
Optical Measuring Microscope	MM40/L3UFA	Nikon	150 × 100 × 150mm (25 - 500X magnification)	1
Surface Profiler	Talysurf S6	Rank Taylor Hobson	Z=10mm (resolution 13 nm)	1
Microscope Camera System	AFX-2	Nikon	25 - 400X magnification	1
Digital Microscope	VHX-5000	Keyence	100X - 1000X magnification	1
Ultrasound/Electrolysis Cleaning Machine	CPS-66-TKP	Somax	420 × 570 × 180mm (cleaning tank)	1
Large High-Speed Machining Center	GF-12	Makino	1,700 × 1,200 × 700mm	1
High-Speed Machining Center	V55	Makino	900 × 500 × 450mm	1
High-Speed Machining Center	V77	Makino	1,500 × 700 × 650mm	1
High-Speed Machining Center	V33	Makino	600 × 400 × 350mm	1
High-Speed Machining Center	IQ300	Makino	400 × 350 × 200mm	1
NC Lathe	C3	Makino	400 × 350 × 200mm	1

General-Purpose Lathe	LT70	Okuma	330 × 470mm	1
Die Spotting Press	DSP1800M	Asai	1t × 1,800 × 1,200mm	1
Die hoist	2.8ton / 5ton / 10ton	Kito	2.8ton / 5ton / 10ton	12
Argon welding machine	AVP-300, etc.	Daihen	300A	2
Grinding machine, etc.	PSG84DX	Okamoto Machine Tool	800 × 400 × 500 mm	4

Gifu area Injection molding (As of March, 2016)

Size (tons)	Specifications	Manufacturer	Model	Quantity
150	Electric	Japanese	Transparent products	7
160	Electric	Japanese	Transparent products	2
200	Hydraulic	Japanese	General products	1
200	Electric	Japanese	Transparent products	2
350	Hydraulic	Japanese	Transparent products	16
350	Electric	Japanese	Transparent products	3
850	Hybrid	Japanese	General products	1
1,600	Hydraulic	Japanese	General products	1
1,800	Hybrid	Japanese	General products	1

Miyagi area Injection molding (As of Jan, 2016)

Size (tons)	Specifications	Manufacturer	Model	Quantity
20	Electric	Japanese	Transparent products	10
20	Electric	Japanese	Transparent products	1
30	Hydraulic	Japanese	Transparent products	2
35	Electric	Japanese	Transparent products	3
40	Hydraulic	Japanese	Transparent products	8
50	Electric	Japanese	Transparent products	5
130	Hybrid	Japanese	Transparent products	1
180	Hydraulic	Japanese	Transparent products	1
Vacuum Evaporation System	Batch type/ Size φ600mm	Showa Shinku	Transparent products	1
Vacuum Evaporation System	Batch type/ Size φ600mm	ShinMaywa	Transparent products	1
Vacuum Evaporation System	Inline type/ Size φ900mm	Shincron	Transparent products	1

Hitachi Digital Products China Co., Ltd Injection molding (As of March, 2016)

Size (tons)	Specifications	Manufacturer	Model	Quantity
350	Electric	Japanese	Transparent products	12

Maxell Tohshin (Malaysia) Sdn. Bhd. Injection molding (As of March, 2016)

Size (tons)	Specifications	Manufacturer	Model	Quantity
180	Electric	Japanese	Transparent products	2
350	Electric	Japanese	Transparent products	8