



Plant List 2012

Lathes											
Machine Type	Quantity of Machines	Control	Overbed Swing (mm)	Swing Over Cross Slide (mm)	Max. turning length (mm)	X-axis travel (mm)	Z-axis travel (mm)	Max. spindle speed ^{*2}	Number of tool stations	Probe	Other Facilities
Mori Seiki SL-603B	5	MAPPS 11	1030	733	2000	485	2150	700 min	12	Yes	Renishaw Probing
Mori Seiki SL-75/7	5	Fanuc 18	880	570	1530	460	1550	1100 min	12	Yes	Renishaw Probing
Mori Seiki TL40	1	Fanuc 18	660	406	3000	240	2950	2000 min	12	Yes	Renishaw Probing
Mori Seiki TL5	1	Fanuc 6T	660	406	1930	205	2000	2000 min	12	Yes	Renishaw Probing
Max Muller MD7 IT-4A Four Axis	4	Fanuc 18	650	395	1300	Upper Turret 520 Bottom Turret 390	With tailstock 1500 With tailstock 1200	2 @ 1800 rpm 2 @ 2800rpm	2 Turrets - 24 Tools	Yes	Hydraulic Steadies & Tailstock. Renishaw Probing
MASSA Vertical Borer VTC1200ATC	2	Fanuc 18I	1250	1600	1200 height	N/A	N/A	N/A	12	Yes	Renishaw Tool Setting & Component Measuring
OM OMEGA 60 VTL	2	Fanuc 18T	1500	1350	800 height	1321	800	149 - 600 rpm	12	Yes	Renishaw Probing
OM VTL	1	Fanuc 181TB		1100 turning dia.	800 turning height	700	600	500 rpm	5	Yes	40 H.P. Main Drive
Citizen Cincom K16-V1	1	Fanuc 2TA	N/A	N/A	200 Extended	N/A	200 Extended	16mm bar feed	8	Yes	Spindle speed Max 15000 r.p.m.
Doosan Puma	1	Fanuc 32i	500	400	1500	500	1600	1400	12	No	Tailstock

Vertical Machining Centres & 5-Axis											
Machine Type	Quantity of Machines	Control	Table (mm)	Indexer	X	Y	Z	Tools	Through Spindle Coolant	Probe	Other Facilities
Vertical with 5-Axis Indexer											
Mori Seiki MV65	1	Fanuc 6	1700 x 650	Nikken	1270	650	650	30	N/A	Yes	Positional 5-Axis capable
Matsura 1500VX	1	Fanuc 15M	1500 x 610	Nikken	1524	610	610	35	N/A	Yes	Positional 5-Axis capable
Mori Seiki Duracentre 5	2	Mori Seiki MSX 501	1100 x 500	Nikken	800	500	510	20	N/A	Yes	Positional 5-Axis and Vacuum Table capable
Mori Seiki DuraVertical 5080	1	Mori Seiki MSX 501	1100 x 600	Nikken	800	500	510	30	N/A	Yes	Positional 5-Axis and Vacuum Table capable
Machine Type Full 5-Axis	Quantity of Machines	Control	Table Dia. (mm)	Indexer	X	Y	Z	Tools	Through Spindle Coolant	Probe	Other
Mori Seiki NMV 5000	2	Mapps III	500	N/A	730	510	510	60	Yes	Yes	Spindle – BT40

Grinding											
Machine Type	Quantity of Machines	Control	Overbed Swing	Swing Over Cross Slide	Max. Grinding length	Max Grinding Dia.	Max. spindle speed ^{*2}	Tools	Through Spindle Coolant	Probe	Other
Studer	1	Fanuc	N/A	N/A	1600	300	10000	N/A	N/A	N/A	Marposs Gauging
Studer	1	Fanuc	N/A	N/A	1600	300	10000	N/A	N/A	N/A	



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Mill-Turn Machines											
Machine Type	Quantity of Machines	Control	Table	Max Turning Dia. (mm)	Max. turning length (mm)	X-axis travel (mm)	Z-axis travel (mm)	Max. spindle speed ^{*2}	Number of tool stations	Probe	Other Facilities
Mori Seiki NT 5400	1	Mapps III	N/A	920	1800	1040	500	8000	40	Yes	Renishaw Probing
Mori Seiki NT 6600	1	Mapps III	N/A	1070	4000	1040	660	8000	60	Yes	Renishaw Probing
Mori Seiki SL150Y	2	Fanuc	N/A	80	1000	230	520	5000	12 Driven Tools	Yes	C & Y Axis. Magazine bar feed unit to 48mm dia
Mori Seiki NL 2500	1	Fanuc	N/A	150	1500	750	2500	5000	12 Driven Tools	Yes	80mm Through spindle - Bar Feed

CNC Vertical Grinding											
Machine Type	Quantity of Machines	Control	Max Int wheel Dia	Max Ext wheel Dia	Grind Dia	Max Height	Max. Wheel speed ^{*2}	Tool Positions	Through Spindle Coolant	Probe	Other
Taio-Koki	1	Fanuc	250	355	45 - 800mm	850	10000	3 - full 360 [^] coverage	N/A	N/A	Marposs Gauging

Horizontal Machining Centres											
Machine Type	Quantity of Machines	Control	Table (mm)	B Axis	X	Y	Z	Tools	Through Spindle Coolant	Probe	Other
Mori Seiki SH8000	1	Fanuc 18i	Twin pallet 800 x 800	Full	1300	1200	1100	150	Yes	Yes	Spindle - BT50
Mori Seiki Hi-Tech HS630	3	Fanuc 16m	Twin pallet 630 x 630	1°	820	800	800	120/60	Yes	Yes	Spindle - BT50
Makino 1210	1	Fanuc 11M	Twin pallet 800 x 800	Full	1250	1000	1000	123	Yes	Yes	3 ton pallet change capacity Spindle - BT50
Mandelli Regent 1001	1	CNM Plasma	Twin pallet 800 x 800	Full	1400	1035	800	60	Yes	No	Full fifth axis from spindle using D'Andrea CNC facing head
Mori Seiki MH63	1	Fanuc 6MB	6 pallet pool 630 x 630	1°	1000	780	750	75	Yes	Yes	Maximum load per pallet 1200 kg Spindle - BT50
Mitsui Seiki HS5A	1	Fanuc 11M	Twin pallet 630 x 630	Full	850	700	750	60	Yes	No	Spindle - BT50
Makino A55	2	Fanuc OM Makino Professional 3	Eight pallet pool 400 x 400	Full	560	560	630	60	Yes	Yes	12000 Revs Sterling gun drill; Paper filtration Through spindle coolant Spindle - BT40
Makino A77	2	Makino Professional 3	Twin pallet 630 x 630	Full	800	750	750	244	Yes	Yes	FMS System - 16 Pallet pool - BT50 - 10000rpm
Mori Seiki MH40	1	Fanuc 11M	Twin pallet 400 x 400	1°	550	450	500	60	Yes	No	Spindle - BT40
Makino MC86	1	Fanuc 11M	Twin pallet 630 x 630	1°	800	630	630	60	Yes	Yes	Maximum Load per pallet 1000 kilos Spindle - BT50
Mori Seiki SH-630	1	Fanuc 16i	Twin pallet 630 x 630	1°	840	760	840	60	Yes	Yes	Spindle - BT50 1000 rpm
Mori Seiki SH-500	1	Fanuc 16i	Twin pallet 500 x 500	Full	630	600	650	60	Yes	Yes	Rapid Traverse Rate: 32000 mm /min ATC Time 1.3 sec Spindle - BT40
Mori Seiki Partner 300	1	Fanuc FS10M	Twin pallet 315 x 315	5°	400	300	495	30	No	Laser	Spindle - BT40
Mori Seiki Partner 300	1	Fanuc FS10M	10 pallet pool 315 x 315	5°	400	300	495	40	No	Laser	Spindle - BT40



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Tool Room											
Machine Type	Quantity of Machines	Control	Table (mm)	Indexer	X	Y	Z	Tools	Through Spindle Coolant	Probe	Other Facilities
Doosan CNC Vertical Mill	2	Fanuc	1000 x 500	N/A	900	400	750	30	Yes	No	Fast Make - Programme at M/C
XYZ - Mill	2	Manual (N/C)	1100 x 600	N/A	1090	540	450	N/A	N/A	No	90 degree angled head
Gate PBM 2000 - Mill	2	Manual (N/C)	500 x 250	N/A	500	250	250	N/A	N/A	No	90 degree angled head
Fumagali Surface Grinder	1	Manual (N/C)	1000 x 700	N/A	1000	700	300	N/A	N/A	No	Magnetic Base Plate
XYZ Surface Grinder	1	Manual (N/C)	800 x 400	N/A	800	400	300	N/A	N/A	No	Magnetic Base Plate
Jig Borer	1	Manual (N/C)	1000 x 750	N/A	1000	750	750	N/A	N/A	No	Diamond fly-cut for "Mirror" finish