








Horizontal Machining Centers

No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
1	ENSHU JE80S APC	ENSHU	15.000 rpm, 60 tools, Twin Pallet Changer	FANUC 18iM		2006.
		(Japan)				
2	QUASER MK603HP/10 APC	QUASER	10.000 rpm, 60 tools, Twin Pallet Changer, Pallet load capacity:500kgs/each APC time : 8 seconds	FANUC 18iM		2005.
		(Taiwan)				
3	QUASER MK603H/15 APC	QUASER	15.000 rpm, 60 tools, Twin Pallet Changer, Pallet load capacity:500kgs/each APC time : 8 seconds	FANUC 18iM		2003.
		(Taiwan)				
4	OKK HM40 APC	OKK	10.000 rpm, 40 tools, Twin Pallet Changer	FANUC 16iM		2001.
		(Japan)				
5	TSUGAMI FMA3-II APC	TSUGAMI	10.000 rpm, 64 tools, 10 Pallet Changer	FANUC FS18		1997.
		(Japan)				
6	OKK HM40 APC	OKK	10.000 rpm, 40 tools, Twin Pallet Changer	FANUC 18M		1995.
		(Taiwan)				
7	TSUGAMI MA3 APC	TSUGAMI	6.000 rpm, 32 tools, Twin Pallet Changer	FANUC 6M		1986.
		(Japan)				




Vertical Machining Centers

No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
8	QUASER MK603SP/12 APC	QUASER	12.000 rpm, 48 tools, X 1020 mm, Y 610 mm, Z 610 mm Table:1050x550 [mm]	FANUC 18iMB		2007.
		(Taiwan)				
9	FEELER QM-32SA APC	FEELER	10.000 rpm, 24 tools, Twin Pallet Changer	FANUC Oi		2007.
		(Taiwan)				
10	QUASER MK603SE/12 APC	QUASER	12.000 rpm, 32 tools, X 1020 mm, Y 600 mm, Z 560 mm Table:1200x635 [mm]	FANUC 0iMC		2006.
		(Taiwan)				
11	QUASER MV204IIL/15	QUASER	15.000 rpm, 32 tools, X 1020 mm, Y 600 mm, Z 560 mm Table:1200x635 [mm]	FANUC 18iM		2004.
		(Taiwan)				
12	QUASER MV204II/15	QUASER	15.000 rpm, 32 tools, X 1500 mm, Y 600 mm, Z 560 mm Table:1700x635 [mm]	FANUC 18iM		2003.
		(Taiwan)				
13	OKK VM-5 II	OKK	X820 Y510 Z510 [mm] table surface: 1050x560[mm] spindle speed: 14000[rpm] magazine:20 tools	FANUC 16iM		2000.
		(Japan)				
14	OKK PCV 40	OKK	X558 Y406 Z406mm Power 7.5 kW 6000 rpm #ATC30	FANUC 10M		1985.
		(Japan)				







Vertical Machining Centers 4-Axis

No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
15	QUASER MV154LX	QUASER	12.000 rpm, 32 tools	FANUC 18iMB		2006.
		(Taiwan)				
16	QUASER MV154P/12	QUASER	12.000 rpm, 24 tools	FANUC 18iMB		2006.
		(Taiwan)				
17	QUASER MV154P/12	QUASER	12.000 rpm, 24 tools	FANUC 18iMB		2006.
		(Taiwan)				
18	HARDINGE VMC 600 II	HARDINGE	x:600 mm y:512 mm z:510 mm spindle 8000rpm table:750x510 mm 20 tools	FANUC 0M		2000.
		(USA)				



Vertical Machining Centers 5-Axis

No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
19	OKK VC-X350L	OKK	20.000rpm, 80tools X/Y/Z 600/430/460mm A -120-30deg C Travel 360° Turning option	FANUC 31-iB5		2014.
		(Japan)				
20	OKK VC-X500	OKK	20.000rpm, 80tools X/Y/Z600/430/460 mm A Axis -120-30deg C Axis Travel 360°	FANUC 31-iB5		2014.
		(Japan)				
21	HERMLE C800U	HERMLE	15.000rpm, 30tools X800Y600Z500mm B Axis360x 0.001° C Axis:-20 to +90°	Heiden hain TNC 430		1999.
		(Germany)				



DRILL & TAP CENTER

No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
22	BROTHER R450 X1 APC + 4. Axis	BROTHER	T:600*300; S:450*320*305 S:12-16000rpm BT-30; ATC-22 HP unit, 2x4.axis, APC	Brother CNC- C00		2014.
		(Japan)				
23	BROTHER TC-32BN QT APC + 4. Axis	BROTHER	T:600*300; S:550*400*415 S:12-16000rpm BT-30; ATC-26 HP unit, 2x4.axis, APC	Brother CNC- B00		2013.
		(Japan)				
24	BROTHER TC-22A 4. Axis	BROTHER	X700 mm Y450 mm Z410 mm Spindle 8000 rpm # ATC27 Taper BT-30 4. AXIS	Brother CNC- A00		1999.
		(Japan)				
25	BROTHER TC-22A	BROTHER	X700 mm Y450 mm Z410 mm Spindle 8000 rpm # ATC27 Taper BT-30	Brother CNC- A00		1999.
		(Japan)				
26	ENSHU E130	ENSHU	X400mm Y300 mm Z300 mm RPM 10000 rpm #ATC12 TaperBT30	YASNAC J50M		1999.
		(Japan)				
27	TAKISAWA MACV1-E	TAKISAWA	WT 600x350mm XYZ 430/350/465mm , 10 tools,6000rpm	FANUC OM		1989.
		(Japan)				



Laser Marker Machine

No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
28	TRUMPF TruMark 5020	TRUMPF	Max. size of marking field[1] 290 x 290 mm ² ; f = 420 mm Scanner accuracy ±50 µm	PC		2016.
		(Germany)				
29	BAUBLYS BL150S	BAUBLYS	laser wave length 1064nm YAG power: 150W impulse time: CW/50ns	PC		2001.
		(Germany)				

WIRE-CUT EDM


No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
30	FANUC ROBOCUT α-C600iA	FANUC	Wire diameter [mm] φ0.1 - 0.3 XY axis 600x400 UV axis 200 x 200 Z axis 310	Fanuc 31i-W		2014.
		(Japan)				
31	FANUC ROBOCUT α-0iA	FANUC	travels: x320mm, y220mm, z255mm tank size: 770 x 560 x 410mm	Fanuc 18i-W		1999.
		(Japan)				







COORDINATE MEASURING MACHINE CMM

No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
32	MITUTOYO STRATO-APEX 9166	MITUTOYO	Travel: X-900mm Y-1600mm Z- 600mm	PC		2011.
		(Japan)				
33	MITUTOYO EURO-C-A574	MITUTOYO	Travel: X-505mm Y-705mm	PC		2001.

	(Japan)	Z- 405mm	
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CNC LATHE						
No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
34	YCM GT300MA	YCM	3.000 rpm, 12 tools, Power tools,	FANUC 0i-TC		2007.
		(Taiwan)				
35	HYUNDAI KIA SKT 21L	HYUNDAI KIA	4000rpm, 12 tools, Max boring bar φ51	FANUC 21i-TB		2006.
		(South Korea)				
36	HYUNDAI KIA SKT 21L	HYUNDAI KIA	4000rpm, 12 tools, Max boring bar φ51	FANUC 21i-TB		2006.
		(South Korea)				
37	HYUNDAI KIA SKT 21	HYUNDAI KIA	4000rpm, 12 tools, Max boring bar φ51	FANUC 0i-TC		2005.
		(South Korea)				
38	DOOSAN S-550L	MECATEC Co.	2.500 rpm,12 tools Max boring bar φ102	FANUC 21iTB		2002.
		(Korea)				
39	HARDINGE Cobra 42	HARDINGE	4.000 rpm, 12 tools Max boring bar φ42	FANUC 16i		2000.
		(USA)				

40	HARDINGE CONQUEST T42	HARDINGE	4.000 rpm, 12 tools Max boring bar φ42 BF	FANUC 18T		1995.
		(USA)				

CNC LATHE						
<i>No.</i>	<i>Machine</i>	<i>Mnf.</i>	<i>Technical characteristics</i>	<i>System</i>	<i>Picture</i>	<i>Mnf. Year</i>
41	IKEGAI TCR-15	IKEGAI	4.000 rpm, 12 tools Max boring bar φ42 BF	FANUC 0T		1995.
		(Japan)				
42	IKEGAI TUR-15	IKEGAI	4.000 rpm, 12 tools Max boring bar φ42 BF	FANUC 0T		1995.
		(Japan)				
43	DAEWOO Ecoturn 250HC	DAEWOO	4.000 rpm, 10 tools Max boring bar φ70	FANUC 0T		1993.
		(Korea)				
44	TAKISAWA TC-3	TAKISAWA	X 300,Z 600mm 10 tools, 4000rpm	FANUC 15 T		1991.
		(Japan)				
45	TAKISAWA TP-3	TAKISAWA	4.000 rpm,10 tools	FANUC 3T		1985.
		(Japan)				
46	DYNA Myte 3300	DYNA M.	4.500 rpm,8 tools Max boring bar	MITSUBI SHI MELDAS		1982.




	(Taiwan)	φ38	L3	
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CNC SWISS-TYPE AUTOMATIC LATHE


No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
47	STAR ST-38	STAR	Dia.22mm,7Axis, 19 tools I 10000rpm II 7000rpm Lmax=150mm	FANUC 30i model A		2012.
		(Japan)				
48	STAR SR-32J	STAR	Dia.32mm,7Axis, I 7000rpm II 5000rpm Lmax=250mm	Fanuc 18i-TB		2011.
		(Japan)				
49	STAR SR-20J TYPE C	STAR	Dia.22mm,7Axis, 19 tools I 10000rpm II 7000rpm Lmax=150mm	Fanuc 18i-TB		2010.
		(Japan)				
50	TORNOS Deco Sigma 8	TORNOS	4.000 rpm,10 tools Max boring bar φ10, + BF 20tools, Lmax 17mm, 5 axis	FANUC 32i MODEL A		2007.
		(Switzerland)				
51	TORNOS Deco 13a	TORNOS	Max boring bar φ17, + BF 20 tools, Lmax 90mm, 10 axis, 2 Spindle	FANUC 18i		2002.
		(Switzerland)				



52	TORNOS ENC-264	TORNOS	min/max bar dia 4/26mm turning length max 275mm spindle 6000 RPM 2 driven tools (1x radial,1x axial) barloader 4000mm	FANUC OTT		1996.
		(Switzerland)				

CNC MULTITASKING MACHINES


No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
53	NAKAMURA TOME NTY3-250	NAKAMURA TOME	Max. turning diameter 225mm. Distance between spindle nose max. 1200mm/ min. 255mm 3 Turret C-Axis, Driven Tools, Parts Catcher	FANUC 31i		2015.
		(Japan)				
54	NAKAMURA TOME WT-150	NAKAMURA TOME	Turning Dia 170mm; Turning Length 400 mm; Travel, X167, Z 465, Y +/- 35 mm, 2 spindel, 2 turrets; tools 12/12; C- Axis, Driven Tools, Parts Catcher	FANUC 18i TB		2008.
		(Japan)				
55	TAKISAWA TMM-250	TAKISAWA	4.000 rpm, 2x15 tools 2x c-axe, Y axis	FANUC 21i		2003.
		(Japan)				

CNC PUNCHING MACHINE


No	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
56	RASKIN RT210-12	RASKIN	Material thickness 3mm. Sheet size 1016mm x 1270mm. Hit rate 600 strokes per minute. Work table area 2650mm x 2200mm	SINUME RIK		1994.
		(Switzerland)				

57	RASKIN RT210-12	RASKIN	Material thickness 3mm. Sheet size 1016mm x 1270mm. Hit rate 600 strokes per minute. Work table area 2650mm x 2200mm	SINUME RIK		1994.
		(Switzerland)				
58	RASKIN RT312-20	RASKIN	Material thickness 3mm. Sheet size 1016mm x 1270mm. Hit rate 600 strokes per minute. Work table area 2650mm x 2200mm	SINUME RIK		1993.
		(Switzerland)				

CNC PRESS BRAKE

No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
59	LVD PPEB 80/15	LVD	8-axis (80 tons by 1,5 meter up to 640 tons by 8 meter)	CADMAN ® Touch PC		2011.
		(Belgium)				

CNC SHEARING MACHINE

No.	Machine	Mnf.	Technical characteristics	System	Picture	Mnf. Year
60	DURMAZLAR VS 3010	DURMAZLAR	Cutting length 3100 mm Max. cutting thickness 10 mm	DALEM DAC 350		2011.
		(Turkey)				