

Machine List

Amount	Brand	Description	Controller, Auxiliary equipment	Installed Year
1	Summit CNC 72"	Vertical Turning Lathe 2-axis Table Ø 1800 mm	Fanuc 0TB Tool Changer 12 tools Max Swing Ø 2300 x 1600 mm	1995
1	Carnaghi TG10	Vertical Turning Lathe 2-axis Table Ø 1250 mm	Siemens 840C Tool Changer 12 tools Max Swing Ø 1600 x 1600 mm	1996
1	Carnaghi TMC-22	Vertical Turning Lathe 2-axis Table Ø 2000 mm	Fanuc 0T-C Tool Changer 12 tools Max Swing Ø 2200 x 1850 mm	1998
2	TOS SKIQ 20	Vertical turning Lathe 3-axis Live tooling, with Milling and drilling capability. Table Ø 2000 mm	Siemens 840D Tool Changer 15 tools Max Swing Ø 2100 x 1260 mm	2001/ 2007
1	TOS SKL 12	Vertical Turning Lathe 3-axis Live tooling, with Milling and drilling capability. Table Ø 1250 mm	Fanuc 16i Tool Changer 11 live tooling, 24 Milling Max Swing Ø 1400 x 750 mm	2003
2	TOS SKQ 12	Vertical Turning Lathe 3-axis Live tooling, with Milling and drilling capability. Table Ø 1250 mm	Siemens 840D Tool Changer 15 tools Max Swing Ø 1400 x 750 mm	2004
2	TOS SKIQ 12	Vertical Turning Lathe 3-axis Live tooling, with Milling and drilling capability. Table Ø 1250 mm	Siemens 840D Tool Changer 15 tools Max Swing Ø 1400 x 750 mm	2005/ 2007
1	FROREIP	Vertical Turning Lathe 2-axis Table Ø 2200 mm	Siemens 840D Max Swing Ø 2500 x 1400 mm	2001
1	Doosan VTS1620M	Vertical Turning Lathe 3-axis Live tooling, with Milling and drilling capability. Table Ø 1600 mm	Styrssystem Fanuc 0iT Max Swing Ø 2000 x 1600 mm Tool Changer 15 live tooling	2012
1	Wotan 1K	Bed milling machine 4-axis X=1600mm, Z=1740 mm Y=1560 mm, Indexable Table Ø 1500mm	Heidenhahn iTNC 530 Huron Style Head 2.5 deg 4000 rpm	2009
1	Fil FBT-300	Bed milling machine X=3000 mm, Z=1500 mm Y=800 mm, W=1000 mm Tablesize 3500x1000	Heidenhain 430 PA Huron Style Head 2.5 deg Tool Changer 24 tools Indexable tables Ø1000 mm and Ø800 mm, 0.001 deg.	1996
1	DMC 210 FD DMG MORI	Universal milling and turning machine X=2100 mm, Z=1250 mm Y=2100 mm	Siemens 840D Tool changer 60 tools, HSK100 Turning dia Ø2100 mm Tablediameter 1850 mm 2 pallet/changer	2017
1	TOS FFQ100	Universal milling and turning machine X=2100 mm, Z=1250 mm Y=2100 mm	Heidenhain 430PA Cartesian head A-B, 0.001deg Tool Changer 24 tools Table 1000 x 5000 mm Indexable table Ø1000 mm, 0.001 deg.	1998
1	HERMLE C 800U	Dynamic 5-axis Machining Center X=800 mm Y=600 mm Z= 500 mm	Heidenhain iTNC 530 Verktygsväxlare 25 verktyg Stark nollpunktspännsystem Mätprob 16000 rpm spindel	2004

Amount	Brand	Description	Controller, Auxiliary equipment	Installed Year
1	MIKRON HPM 800U HD	Dynamic 5-axis Machining Center X=800 mm Y=800 mm Z= 550 mm	Heidenhain iTNC 530 Tool Changer 60 tools Berg Zeropoint clamping system Measuring probe and BLUM tool laser measuring, Pallet changer for 7 pallets 20000 rpm spindle	2012
	HERMLE C42	Dynamic 5-axis Machining Center X=800 mm Y=800 mm Z= 550 mm	Heidenhain iTNC 530 Tool Changer 42/85 tools Stark Zeropoint clamping system Measuring probe and BLUM tool laser measuring, Pallet changer for 6 pallets 18000 rpm spindle	2013/ 2014/ 2015
3	HERMLE C400	Dynamic 5-axis Machining Center X=800 mm Y=800 mm Z= 550 mm	Heidenhain iTNC 530 Tool Changer 42/85 tools Stark Zeropoint clamping system Measuring probe and BLUM tool laser measuring, Pallet changer for 6 pallets 18000 rpm spindle	2016
1	QUASER MV 204 II	Vertical Machining Center 4-axis X=1000 mm Y=600 mm Z= 500 mm	Heidenhain iTNC 530 Tool Changer 32 tools 12000 rpm spindle	2005
2	QUASER MV 214 P	Vertical Machining Center 3-axis X=1524 mm Y=750 mm Z=550 mm	Heidenhain iTNC 530 Tool Changer 48 tools 12000 rpm spindle	2013
1	EDM Drilling Machine	Ø 1400*300	Drilling machine for rings. Robotized electrode changer and automatic table indexing	2013
1	FANUC alpha1iC	Wire EDM	Fanuc 180iS X=500 mm Y=300 mm Z=400 mm	2004
1	FANUC alpha1ie	Wire EDM	Fanuc 180iS X=500 mm Y=300 mm Z=300 mm	2012
1	FANUC alpha1iA	Wire EDM	Fanuc 180iS X=500 mm Y=300 mm Z=300 mm	2015
1	Ultrasonic Inspection Machine	Machine for ultrasonic inspection of rings	Ø 1000 x 400 mm	2004
1	Trimos Horizon 2000	Length gauge	3 µm+L/250 µm 2020 mm	2005
1	Romer Cimcore 7530	6-axis Articulating Inspection Arm	3000 mm envelope	2015
1	Mitutoyo PH350	Profile Projector	Digital scales	2005
1	Brown & Sharpe 153010	CMM with Renishaw PH10M	PC-DMIS CAD ++ 1500*3000*1000 5.3um+5.8um*L/1000	2005
1	Brown & Sharpe 121510	CMM with Renishaw PH10M	PC-DMIS CAD ++ 1200*1500*1000	2001
1	Hexagon Metrology Tigo SF	CMM with TesaStar	PC-DMIS CAD ++ 500*580*500 E0MPE = 2,2 + L/300 µm	2015
1	Prosonic	Agitating 4-stage washing machine for Titanium and Nickel alloys	450x450x220	2015
1	MICROSET DMG MORI	Tool setting machine V10 35I70		2017