

NUMERICALLY CONTROLLED MACHINING CENTRES

QUANTITY	MAKE	MODEL	STROKES (MM)	CHARACTERISTICS
1	DECKEL MAHO	DMC 105V LINEAR	X = 1050 Y = 800 Z = 560	CNC CONTROLLER: Heidenhain iTNC 530 TILTING TURNTABLE, DIA. 950 4 AXES 30 POSITION TOOL MAGAZINE
2	DECKEL MAHO	DMU 80 EVO	X = 800 Y = 650 Z = 550	CNC CONTROLLER: Heidenhain iTNC 530 HSCI TILTING TURNTABLE, DIA. 800 X 700 5 SIMULTANEOUS AXES 30 POSITION TOOL MAGAZINE
2	MIKRON	HPM 800 U	X = 800 Y = 800 Z = 550	CNC CONTROLLER: Heidenhain iTNC 530 HSCI TILTING TURNTABLE, DIA. 500 5 SIMULTANEOUS AXES 30 POSITION TOOL MAGAZINE
1	MIKRON	HSM 600 PROD MOD	X = 800 Y = 600 Z = 500	CNC CONTROLLER: Heidenhain iTNC 530 TILTING TURNTABLE, DIA. 156 5 SIMULTANEOUS AXES 308 POSITION TOOL MAGAZINE
1	DECKEL MAHO	DMU 70 EVO	X = 750 Y = 600 Z = 520	CNC CONTROLLER: Heidenhain iTNC 430 TILTING TURNTABLE, DIA. 800 X 620 5 SIMULTANEOUS AXES 16 POSITION TOOL MAGAZINE
2	SIGMA	LEADER 5	X = 1250 Y = 810 Z = 630	CNC CONTROLLER: Heidenhain iTNC 530 HSCI TURNTABLE NIKKEN MODEL 250 4 AXES 40 POSITION TOOL MAGAZINE
1	DECKEL MAHO	DMU 80 P DUO BL	X = 800 Y = 1050 Z = 850	CNC CONTROLLER: Heidenhain iTNC 530 HSCI TILTING TURNTABLE, DIA. 800 5 SIMULTANEOUS AXES 63/123 POSITION TOOL MAGAZINE
1	DECKEL MAHO	DMU 80 U HI DYN	X = 600 Y = 700 Z = 600	CNC CONTROLLER: Heidenhain iTNC 430 TILTING TURNTABLE, DIA. 950 5 SIMULTANEOUS AXES 30 POSITION TOOL MAGAZINE
1	HERMLE	C 22 U	X = 450 Y = 600 Z = 330	CNC CONTROLLER: Heidenhain iTNC 530 TILTING TURNTABLE, DIA. 450 5 SIMULTANEOUS AXES 55 POSITION TOOL MAGAZINE
1	DECKEL MAHO	DMC 75V LINEAR	X = 750 Y = 600 Z = 560	CNC CONTROLLER: Heidenhain iTNC 530 TILTING TURNTABLE, DIA. 750 4 AXES 30 POSITION TOOL MAGAZINE
2	HERMLE	C 40 U	X = 850 Y = 700 Z = 500	CNC CONTROLLER: Heidenhain iTNC 530 TILTING TURNTABLE, DIA. 800 5 SIMULTANEOUS AXES 40 POSITION TOOL MAGAZINE
1	MORI SEIKI	NH5000DCG/40	X = 730 Y = 730 Z = 850	CNC CONTROLLER: FANUC TILTING TURNTABLE DIA. 800 5 SIMULTANEOUS AXES 40 POSITION TOOL MAGAZINE
1	MORI SEIKI	SH630	X = 840 Y = 760 Z = 840	CNC CONTROLLER: FANUC TILTING TURNTABLE 940x1000 mm 4 AXES 60 POSITION TOOL MAGAZINE
2	HERMLE	C 800 U	X = 800 Y = 600 Z = 500	CNC CONTROLLER: Heidenhain TNC 530 TILTING TURNTABLE, DIA. 630 3 AXES 30 POSITION TOOL MAGAZINE

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QUANTITY	MAKE	MODEL	STROKES (MM)	CHARACTERISTICS
1	MORI SEIKI	SH503	X = 630 Y = 600 Z = 650	CNC CONTROLLER: FANUC PALLET DIMENSIONS 500x500 mm 4 AXES 60 POSITION TOOL MAGAZINE
1	HERMLE	C 32 UP	X = 650 Y = 650 Z = 500	CNC CONTROLLER: Heidenhain iTNC 530 PALLET DIMENSIONS Ø 650 5 SIMULTANEOUS AXES 36 POSITION TOOL MAGAZINE
1	MORI SEIKI	SH403	X = 560 Y = 560 Z = 510	CNC CONTROLLER: FANUC PALLET DIMENSIONS DIA. 650 4 AXES 36 POSITION TOOL MAGAZINE
1	HERMLE	C 30 U	X = 650 Y = 500 Z = 630	CNC CONTROLLER: HEIDENHAIN TNC 530 TILTING TURNTABLE, DIA. 400 5 SIMULTANEOUS AXES 119 POSITION TOOL MAGAZINE
2	HERMLE	C42U	X = 800 Y = 800 Z = 550	CNC CONTROLLER: Heidenhain iTNC 530 PALLET DIMENSIONS DIA. 800 5 SIMULTANEOUS AXES 42 POSITION TOOL MAGAZINE
1	MORI SEIKI	SH 5000	X = 800 Y = 698 Z = 698	CNC CONTROLLER: FANUC TILTING TURNTABLE 400x400 4 AXES 40 POSITION TOOL MAGAZINE
1	DECKEL MAHO	DMC 80 U HI DYN	X = 600 Y = 700 Z = 600	CNC CONTROLLER: Heidenhain iTNC 530 TILTING TURNTABLE, DIA. 950 5 SIMULTANEOUS AXES 30 POSITION TOOL MAGAZINE
2	MORI SEIKI	NH 4000	X = 560 Y = 560 Z = 630	CNC CONTROLLER: FANUC TILTING TURNTABLE 400x400 4 AXES 40 POSITION TOOL MAGAZINE
1	KITAMURA	HX 500 G	X = 870 Y = 800 Z = 930	CNC CONTROLLER: FANUC TILTING TURNTABLE 500x500 4 AXES 50 POSITION TOOL MAGAZINE
1	HERMLE	C 42 UP	X = 800 Y = 800 Z = 550	CNC CONTROLLER: Heidenhain TNC 640 PALLET DIMENSIONS DIA. 800 5 SIMULTANEOUS AXES 42 POSITION TOOL MAGAZINE
1	MIKRON	HSM 600 U	X = 800 Y = 600 Z = 500	CNC CONTROLLER: Heidenhain iTNC 530 HSCI CIRCULAR TILTING AXIS, +30/-110 / nx360° 5 SIMULTANEOUS AXES 18 POSITION TOOL MAGAZINE
3	MORI SEIKI	NH5000	X= 730 Y = 730 Z = 850	CNC CONTROLLER: FANUC 4 AXES TILTING TURNTABLE 500x500
1	MORI SEIKI	NH630	X = 1000 Y = 850 Z = 920	CNC CONTROLLER: FANUC TILTING TURNTABLE 630x630 4 AXES 60 POSITION TOOL MAGAZINE
1	MORI SEIKI	DMU 65 MONOBLOCK	X = 735 Y = 650 Z = 560	CNC CONTROLLER: Heidenhain ITNC 530 ERGOLINE TILTING TURNTABLE TILTING TURNTABLE, DIA. 650 in 800 X 650 5 SIMULTANEOUS AXES 30 POSITION TOOL MAGAZINE
1	MORI SEIKI	DMU 60 EVO	X = 600 Y = 500 Z = 500	CNC CONTROLLER: Heidenhain iTNC 530 HSCI TILTING SURFACE: 600 X 500 5 SIMULTANEOUS AXES 30 POSITION TOOL MAGAZINE

NUMERICALLY CONTROLLED MACHINING CENTRES

QUANTITY	MAKE	MODEL	STROKES (MM)	CHARACTERISTICS
1	MORI SEIKI	DMC 850V	X = 850 Y = 520 Z = 475	CNC CONTROLLER: Heidenhain TNC 640 TABLE HEIGHT 800 TABLE LOCKING: 1100x570 5 SIMULTANEOUS AXES 30 POSITION TOOL MAGAZINE

ELECTROEROSION MACHINES (WIRE, IMMERSION, MICRO-PERFORATING UNITS)

QUANTITY	MAKE	MODEL	STROKES (MM)	CHARACTERISTICS
2	Wire electroerosion CHARMILLES	CUT 300	X = 550 Y = 350 Z = 400	CNC CONTROLLER: AGIE CHARMILLES VOLTAGE: 400 VOLT FREQUENCY: 50/60 HZ POWER: 12 KWATT
2	Wire electroerosion CHARMILLES	ROBOFIL 440 CC	X = 550 Y = 350 Z = 400	CNC CONTROLLER: AGIE CHARMILLES VOLTAGE: 400 VOLT FREQUENCY: 50/60 HZ POWER: 12 KWATT
3	Immersion electroerosion CHARMILLES	ROBOFORM 55	X = 600 Y = 400 Z = 450	CNC CONTROLLER: AGIE CHARMILLES
1	Microperforating unit CHARMILLES	MOD HD8	X = 350 Y = 250 Z = 350	PERFORATION DIAMETER: 0.3 TO 3 mm
1	Wire electroerosion CHARMILLES	ROBOFIL 440 FI	X = 550 Y = 350 Z = 400	CNC CONTROLLER: AGIE CHARMILLES VOLTAGE: 400 VOLT FREQUENCY: 50/60 HZ POWER: 12 KWATT
1	Microperforating unit CR TECHNOLOGY	CR611	X = 500 Y = 300 Z = 600	CNC CONTROLLER: CR TECHNOLOGY VOLTAGE: 400 VOLT FREQUENCY: 60 HZ POWER: 4 KWATT
1	Microperforating unit GF	FORM 300	X = 600 Y = 400 Z = 450	CNC CONTROLLER: AGIE CHARMILLES VOLTAGE: 400 VOLT FREQUENCY: 50 HZ POWER: 9.6 KWATT
1	Microperforating unit CR TECHNOLOGY	SY-3545	X = 700 Y = 400 Z = 380	VOLTAGE: 380 VOLT FREQUENCY: 50/60 HZ POWER: 1 KWATT

NUMERICALLY CONTROLLED LATHES

QUANTITY	MAKE	MODEL	STROKES (MM)	CHARACTERISTICS
1	NAKAMURA TOME	TMC 200	Ø 280 L = 510	CNC CONTROLLER: FANUC 12 POSITION TOOL MAGAZINE
1	DAEWOO	PUMA 250	Ø 400 L = 650	CNC CONTROLLER: FANUC 12 POSITION TOOL MAGAZINE
1	MORI SEIKI	SL-154 Y	Ø 210 L = 350	CNC CONTROLLER: MSG 805 MITSUBISHI 12 POSITION TOOL TURRET
1	DOOSAN	PUMA 2600LY/FOITD	Ø 480 L = 520	CNC CONTROLLER: FANUC 12 POSITION TOOL MAGAZINE
2	MORI SEIKI	NL2500	Ø 270 L = 705	CNC CONTROLLER: MSX-850 MITSUBISHI FANUC 12 POSITION TOOL TURRET
1	MORI SEIKI	SL 303	Ø 420 L = 700	CNC CONTROLLER: FANUC 12 POSITION TOOL MAGAZINE

NUMERICALLY CONTROLLED LATHES

QUANTITY	MAKE	MODEL	STROKES (MM)	CHARACTERISTICS
1	GRAZIANO DMG	CTX 510	Ø 680 L = 1000	CNC CONTROLLER: FANUC 32i 12 POSITION TOOL TURRET
1	MORI SEIKI	SL-150 M	Ø 150 L = 519	CNC CONTROLLER: MSX-850 MITSUBISHI FANUC SPINDLE DIA.: Ø 45 MM
1	DAEWOO	2500 LM	Ø 600 L = 750	CNC CONTROLLER: MSX-850 MITSUBISHI FANUC 12 POSITION TOOL TURRET
1	SPINNER ITALIA SRL	SB-32T-V4	ASSE X = 250	CNC CONTROLLER: FANUC 8-16 POSITION TOOL TURRET
1	MORI SEIKI	NT4200DCG/1500SZ	Ø 300 X = 750 Y = 210 Z = 150 L = 1596	CNC CONTROLLER: FANUC MILLING SPINDLE: 12,000 rpm 5 SIMULTANEOUS AXES 70 BAR HIGH PRESSURE PUMPS DIA. 65 BAR LOADER
1	SPINNER ITALIA SRL	PD/C V3	ASSE X = 400	CNC CONTROLLER: FANUC 16 POSITION TOOL TURRET
1	DMG MORI	NLX3000Y/1250	Ø 430 L = 1260	CNC CONTROLLER: CELOS® by DMG MORI with 21.5" ERGOline® and MAPPS SPINDLE PRECISION <0.1 micron SPINDLE SPEED: 3000 rpm

3D CONTROL MEASURING MACHINES

QUANTITY	MAKE	MODEL	STROKES (MM)	CHARACTERISTICS
4	ZEISS	CONTURA	X = 700 Y = 700 Z = 600	PRECISION = $MPE_E = 2.5 + L/250$ CONTINUOUS SCANNING PROBE = VAST SOFTWARE = CALYPSO
3	ZEISS	DURAMAX	X = 500 Y = 500 Z = 500	PRECISION = $MPE_E = 2.7 + L/250$ CONTINUOUS SCANNING PROBE = VAST XXT SOFTWARE = CALYPSO
3	ZEISS	PRISMO	X = 900 Y = 1200 Z = 700	PRECISION = $MPE_E = 0.9 + L/350$ CONTINUOUS SCANNING PROBE = VAST SOFTWARE = CALYPSO
1	ZEISS	SCANMAX	X = 200 Y = 150 Z = 150	PRECISION = $U2 = 4.5 + L/60$ CONTINUOUS SCANNING PROBE = VAST SOFTWARE = HOLOS



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