



CNC 5-axis vertical machining center

V-Mill 1000.5X CNC

39x31x27"



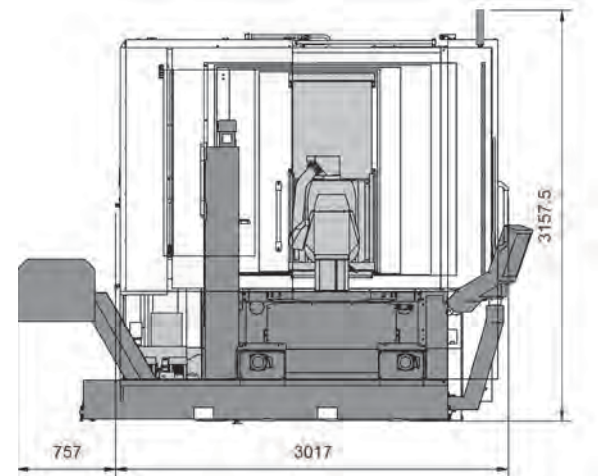
- Massive machine bed made of high quality cast iron for better vibration damping
- Rigid gantry frame construction consists of base, double racks and stable crossbeam to ensure high rigidity and cutting performance
- Powerful spindle: 16,000 rpm, 15/22.5 kW (20/30 Hp) (48/72 Nm) (35/53 ftlb), Spindle taper BT 40
- 40 station tool magazine
- High-strength, precision ground guides and high-quality ball screws ensure high-precision machining
- Large work table 1000x800 mm (39x31"), max. table load 1500 kg (3,300 lbs)

Standard configuration

- Heidenhain iTNC 530 CNC control
- Automatic spindle lubrication
- 40-position turret
- Coolant system
- Chip conveyor
- Safety couplings in X/Y/Z axes
- Automatic lubrication
- Leveling and mounting pads and bolts
- Electrical handwheel (MPG)
- Work light
- Spindle blow out function
- Operation manual
- Spindle water cooling

Optional configuration

- Tool measurement
- Faster spindle motor, 29.3/35 kW (40/45 Hp) 14,000 rpm
- Faster spindle motor, 25/35 kW (30/45 Hp) (90/95 Nm) 18,000 rpm, HSK-A63
- Coolant through spindle, 20 bar (290 psi)
- Coolant through spindle, 40 bar (580 psi)
- Work piece measurement, Heidenhain TS 640
- Work piece measurement, Heidenhain TT 140



Specifications			V-Mill 1000.5X CNC 39" x 31" x 27"
CNC control			Heidenhain iTNC 530
Travels	X	mm	1000 (39")
	Y	mm	800 (31")
	Z	mm	700 (27")
Table dimensions (W/L)		mm	1000x800 (39x31")
Floor-table height		mm	1000 (39")
Max. workpiece diameter		mm	Ø800 (31")
Max. table load		kg	1500 (3,300 lbs)
Min. increment of table rotation		deg	0.001° (360°)
T-slots		mm	7x18x100 (7pc.x0.7x3.9")
Spindle-table distance	Horizontal pos.	mm	50-750 (1.95-29")
	Vertical pos.	mm	150-850 (5.85-33")
Speed		rpm	16,000
Spindle taper			BT 40
Tool pull-stud			MAS BT 403 P40 T1
Min. increment of milling head		deg	0.001° (360°)
Diameter of front spindle bearing		mm	Ø70 (2.75")
Cutting feed rate		m/min	10 (390"/min)
Rapid traverse - X/Y/Z axes		m/min	24 (940"/min)
Tool magazine		#	40 positions
Max. tool diameter		mm	Ø120 (4.5")
Max. tool length		mm	300 (11")
Max. tool weight		kg	7 (15 lbs)
Main spindle motor		kW	15/22.5 - 48/72 Nm (20/30 Hp - 35/53 ft-lb)
Total power consumption		kW	40 (54 Hp)
Dimensions (L/W/H)		mm	3700x4500x3000 (144x175x117")
Weight		kg	15000 (33,000 lbs)
Item No.			6530004

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.