

CNC 5-axis vertical machining center

V-Mill 1000.5X CNC



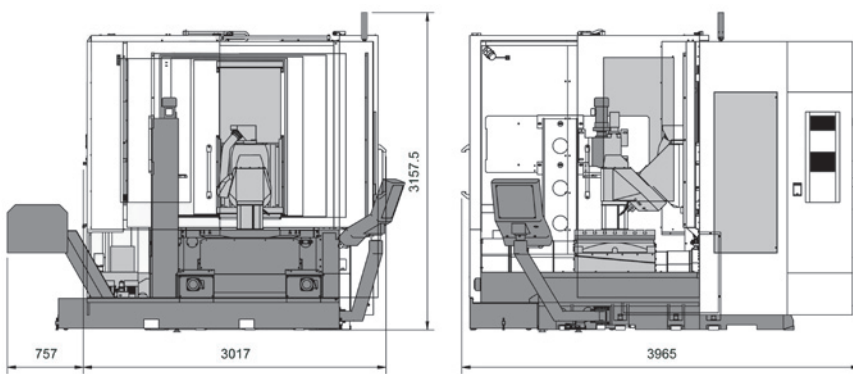
T e c h n i c a l D a t a s h e e t

V-Mill 1000.5X CNC

- Massive machine bed made of high quality cast iron for better vibration damping
- Rigid gantry frame construction consisting of base, double racks and stable crossbeam ensuring high rigidity and cutting performance
- Powerful spindle: 16000 rpm, 15 / 22.5 kW (48/72 Nm), BT 40 spindle taper
- 40 station tool magazine
- High-strength, precision ground guides and high-quality ball screws ensure high-precision machining
- Large work table 1000x800 mm, max. table load 1500 kg



Heidenhain iTNC 530

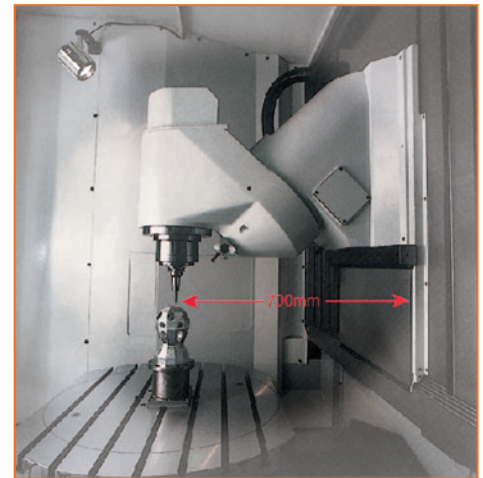


Standard configuration:

- ✓ CNC Heidenhain iTNC 530
- ✓ 40-pos. tool magazine
- ✓ Chip removal conveyor with chip box
- ✓ Central lubrication
- ✓ Portable control console with electric handwheel
- ✓ Spindle air blast
- ✓ Spindle water cooling
- ✓ Automatic spindle lubrication
- ✓ Coolant supply system
- ✓ Safety couplings in X-, Y- and Z-axes
- ✓ Machine feet and mounting bolts
- ✓ Working space lighting
- ✓ Programming and operating manual

Optional configuration:

- Laser tool measurement
- Spindle motor 9.3 / 35 kW (70/160 Nm) 14000 rpm
- Spindle motor 25/35 kW (90/95 Nm) 18 000 rpm, HSK-A63
- Coolant supply (20 bar) through the spindle
- Coolant supply (40 bar) through the spindle
- Heidenhain TS 640 work piece measurement
- Heidenhain TT 140 work piece measurement



Technical specifications		V-Mill 1000.5X CNC	Technical specifications		V-Mill 1000.5X CNC
CNC		Heidenhain iTNC 530	Diameter of front spindle bearing	Ø 70 mm (2.75")	
Axis travel:	X	1000 mm (39")	Working feed rate	10 m/min (390"/min)	
	Y	800 mm (31")	Rapid traverse in X,Y,Z axes	24 m/min (940"/min)	
	Z	700 mm (27")	Tool magazine	40 positions	
Table dimensions		1000x800 mm (39x31")	Max. tool diameter	Ø 120 mm (4.5")	
Floor-to-table height		1000 mm (39")	Max. tool length	300 mm (11")	
Max. workpiece diameter		Ø 800 mm (31")	Max. tool weight	7 kg (15 lbs)	
Max. table load capacity		1500 kg (3,300 lbs)	Power of spindle motor	15/22.5 kW (20/30 Hp) (48/72 Nm) (35/53 ftlb)	
Min. increment of table rotation		0.001° 360°	Power consumption	40 kW	
T-slots		7x18x100 mm (7pc.x0.7x3.9")	Overall dimensions	3700x4500x3000 mm (144x175x117")	
Spindle-to-table distance	Horizontal pos.	50 – 750 mm (1.95-29")	Weight	15000 kg (33,000 lbs)	
	Vertical pos.	150 – 850 mm (5.85-33")	Item-No.	6530004	
Max. spindle speed		15,000 rpm			
Spindle taper		BT 40			
Tool pull-stud		MAS BT 403 P40 T1			
Min. increment of milling head		0.001° (360°)			

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