



CNC 5-axis vertical machining center V-Mill 1000.5X CNC

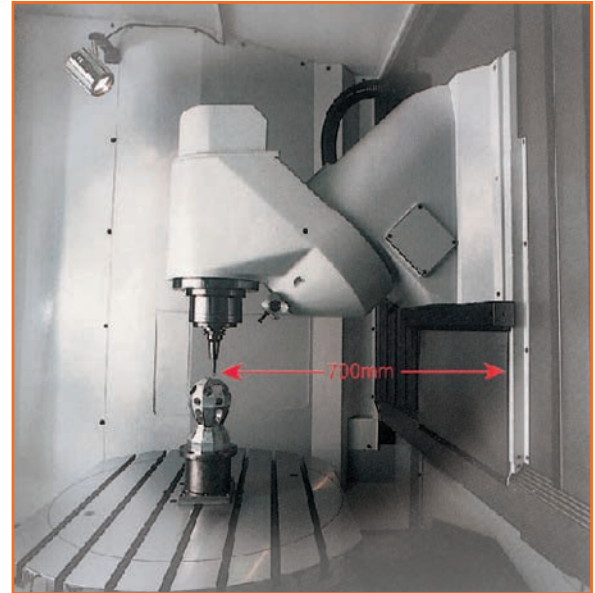
39x31x27"



- 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)

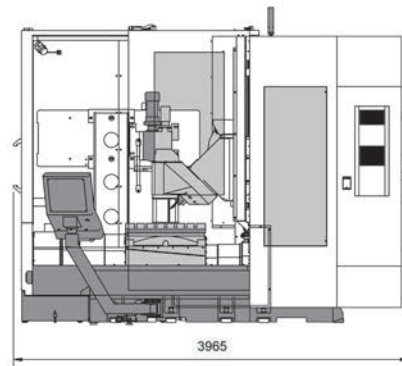
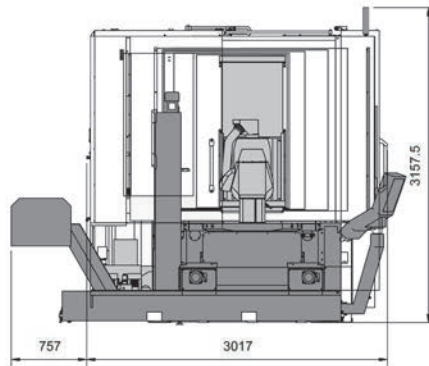
*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.

Heidenhain iTNC 530



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

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

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Cutting

Turning

Milling
CNC • Manual

Drilling/Boring

Grinding

Sawing

Fabricating