V-Mill CNC

620.5X

CNC 5-Axis Vertical Machining Center 24x20x18''

STANDARD CONFIGURATION

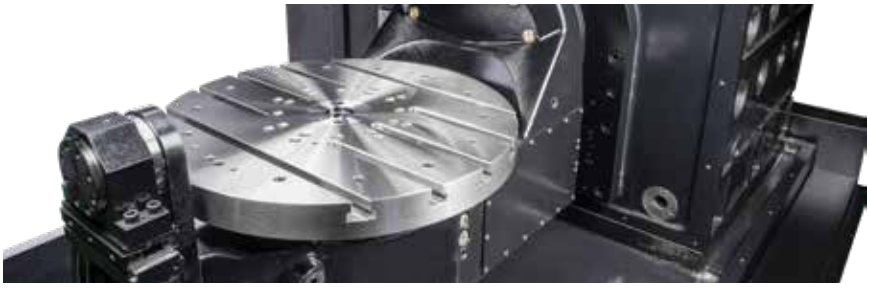
- HEIDENHAIN Controller
- Chip Conveyor
- Automatic Lubrication
- Remote Handwheel
- Full Guarding
- Electrical Cabinet Air Conditioning
- Coolant and Air Gun
- Hydraulic System
- Spindle Oil Cooler
- Automatic Spindle Lubrication
- Coolant System
- Leveling Bolts
- Tools and LED Work Light

OPTIONAL CONFIGURATION

- Glass Linear Scales
- 40/60 ATC Tools
- 15,000 or 24,000 rpm Spindle
- Thermal Compensation
- Tool Measurement

V-Mill CNC			620.5X
			24” x 20” x 18”
Controller			Heidenhain
Travels	X	mm	620 (24”)
	Y	mm	520 (20”)
	Z	mm	460 (18”)
Table Diameter		mm	Ø650 (25”)
Max Table Load	0°	kg	300 (660 lbs)
	90°	kg	200 (440 lbs)
Table Inclination Angle			-50°/+110°
C-Axis Rotating Range			360°
T-Slots		mm	5x18x100 (5pc.x0.7x3.9”)
Spindle-Table Distance		mm	100–600 (3.9–23.6”)
Speed		rpm	12000
Spindle Taper			BT40 / CAT40
Cutting Feed Rate		m/min	1~15 (39~590”/min)
Rapid Traverse – X/Y/Z-Axes		m/min	36 (1,420”/min)
Number of Tools		#	32
Max. Tool Diameter	Full	mm	Ø75 (3”)
	Empty	mm	Ø130 (5”)
Main Spindle Motor		kW	12.5 (17 Hp)
Dimensions (L/W/H)		mm	2200x3320x3100 (87x131x122”)
Weight		kg	8200 (18,070 lbs)
Item No.			6530005

The V-Mill 620.5X CNC 5-axis offers a simultaneous machining ability that can finish complicated parts in a single setup which especially suits various industries in need of high accuracy. It features a massive gantry structure which consists of a base frame, **double racks** and a **stable crossbeam** to ensure rigidity and high cutting performance. The cooled **ballscrews** combined with high quality **linear roller guides** are above the standard specs. A generously sized **worktable** with a diameter of **Ø650 mm** (25”), max. table load – 300 kg (660 lbs), and powerful high-speed spindle with **ceramic bearings** results in a superior milling surface. The **32 tool magazine** makes for flexible milling and drilling applications including **ground ball screws** with minimum backlash. The **spindle taper (BT40)** provides a firmer grip to the tools, which prevents tool vibration that would affect machining accuracy.



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