



HIGH PRECISION
MACHINES

MATERIAL REMOVAL

Cincinnati Arrow

Vertical Machining Center



The most versatile vertical machining solution

- High efficiency chip disposal system with a one-piece chip cover design
- Cast iron construction for minimal vibration and high torsional stiffness
- Roller type motion system equipped with a 3-axis absolute motor for maximum reliability
- Options and capabilities for diverse requirements
- 40-taper dual contact spindle connection
- Cross roller linear guideways feature zero clearance and fully-loaded carrying capacity in all directions

Lower price point without sacrificing the quality, accuracy and reliability of renowned Fives material removal equipment.

CINCINNATI ARROW FEATURES

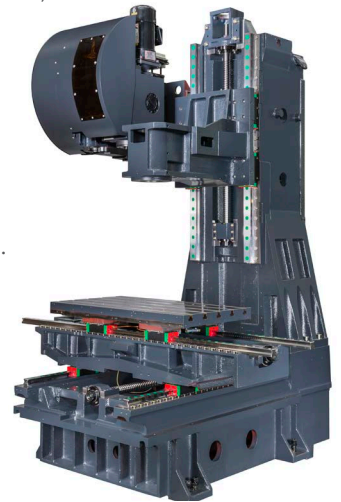
- Spindle speed 10000 rpm
- 3 Axis ball screw prestressing
- Front chip disposal available
- High torque spindle motors
- 4/5 axis rotary table available
- Roller type motion system
- Rapid feed rate 48/48/36 mm
- 3 Axis absolute motor

LINEAR GUIDE WAYS

Linear guideways feature zero clearance and fully-loaded carrying capacity in all directions. The ways consume less power and require no adjustments. The linear guideways outperform all other types of ways used today. Additionally, each way is automatically lubricated independently to increase life.

CAST IRON CONSTRUCTION

The cast iron base column, saddle, headstock, and tables have over 10 times the dampening capacity of steel construction, allowing for superior cutting performance. Top quality well-ribbed castings for high torsional stiffness and minimal vibration.



CAPABILITIES | CINCINNATI ARROW

		750	750+	1000	1250
X-Axis Travel	mm (in)	800 (31.5)	800 (31.5)	1020 (40.0)	1270 (50.0)
Y-Axis Travel	mm (in)	460 (18.1)	508 (20.0)	508 (20.0)	599 (23.6)
Z-Axis Travel	mm (in)	511 (20.1)	610 (24.0)	610 (24.0)	610 (24.0)
Cutting Feed Rate	ipm	394	394	394	394
Spindle Speed	rpm	10000	10000	10000	10000
Spindle Nose		BT-40 or CAT-40	BT-40 or CAT-40	BT-40 or CAT-40	BT-40 or CAT-40
Spindle Motor	hp	15-17.5 (30min-peak)	20-24 (30min-peak)	25-34 (30min-peak)	25-34 (30min-peak)
Table Size (L x W)	mm (in)	859x450 (33.8x17.7)	889x500 (35.0x19.7)	1100x500 (43.3x19.7)	1420x579 (55.9x22.8)
Tool Capacity	pcs	24	24	24	24
Max Tool Diameter	mm (in)	81 (3.2)	81 (3.2)	81 (3.2)	81 (3.2)
Max Tool Length	mm (in)	249 (9.8)	249 (9.8)	249 (9.8)	249 (9.8)
Max Table Load	kg (lb)	499 (1100)	900 (1984)	900 (1984)	900 (1984)

*All numbers based on Cincinnati Arrow. Technical data subject to change.

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 Industry can do it