

Mazak

Home Machines & Technology VARIAXIS i-500

VARIAXIS i-500

PRODUCT: 5-AXIS



Multiple-Surface / Simultaneous 5-axis Machining Center High-speed multi-surface machining of small and mid-sized workpieces by tilting rotary table VARIAXIS i-SERIES

- 5-axis simultaneous machining centers designed for exceptional versatility.
- Excellent machine design for both higher productivity and ease of operation
- Compact spindle minimizes workpiece interference
- Wide Y-axis stroke allows tools to be changed without returning tilting table to zero position
- High-rigidity table

Control Type: SmoothX

Intelligent Machine Functions



Other machines in this Series

- [VARIAXIS i-1050](#)
- [VARIAXIS i-1050T](#)
- [VARIAXIS i-500](#)
- [VARIAXIS i-600](#)
- [VARIAXIS i-700](#)
- [VARIAXIS i-700T](#)
- [VARIAXIS i-800](#)
- [VARIAXIS i-800T](#)

Series Characteristics

- DONE IN ONE capability streamlines production and improves overall management
- Intelligent Functions provide ease of operation



Compact model for small complex workpieces
with high-precision requirements

VARIAXIS i-500

Table size: \varnothing 500 mm (19.69") × Width 400 mm (15.75")

Max. workpiece size: \varnothing 500 mm (19.69") × 350 mm (13.78")

Machine Specifications

Specification		Values
Spindle	Spindle Taper	No. 40
	Maximum Speed	12000 rpm
	Motor Output (30 minute rating)	22 kw / 29.5 hp
Magazine	Number of Tools	30
Rotary Axes	Table Tilt (A axis)	150 degrees
	Table Indexing (C axis)	360.0000 degrees
Feed Axes	Travel (X Axis)	350 mm / 13.78 in
	Travel (Y Axis)	550 mm / 21.65 in
	Travel (Z Axis)	510 mm / 20.08 in

and optimum
efficiency

- Wide range of spindle speeds available for exceptional versatility
- Reliable cam-driven tool changer offers higher productivity
- Various tool magazine capacities provide part-processing flexibility
- High-rigidity table with roller gear cams eliminate backlash to ensure accuracy