

# VC-Ez Series

## Vertical Machining Center



VC-Ez 20

Expanding our legacy of dependable, high-quality vertical machining centers designed and built in Kentucky, the VC-Ez 20 delivers exceptional performance and accuracy with unparalleled value. This compact and durable machine is a perfect fit for any production environment thanks to multiple spindle configurations, tool magazine sizes and chip/coolant management options.

### FEATURES

- A rugged 25 hp, 12,000 rpm (standard) or versatile 29.5 hp, 15,000 rpm (optional) spindle.
- Highly efficient 30-tool or optional 50-tool auto tool changers.
- Hybrid MX Roller Guide System improves rigidity, accuracy and reliability.
- Pre-tensioned ball screw system with support at each end.
- New space-saving machine design with several optional chip management solutions.
- Enhanced operator ergonomics allow easy loading of workpieces and tools.
- Many productive and affordable optional accessories.



Enhanced operator ergonomics



Generous work area

*Product images are for illustration purposes only and may not be exact representations of the products. Mazak reserves the right to change product images and specifications at any time without notice.*



### MAZATROL SmoothEz CNC

- 15" capacitive touch-screen display with full keyboard.
- EIA/G-code and MAZATROL programming languages standard.
- 800MHz x 2 NC with 512MB of DDR3-SDRAM.
- SMOOTH Machining Configuration (SMC) capabilities.
- Newly designed LAUNCHER screen.
- Enhanced MAZATROL features, MAZATROL TWINS capability, plus the addition of QUICK MAZATROL.

**Mazak**

# VC-Ez Series Specifications

SPECIFICATION		VC-Ez 20
Capacity	Table Width	49.210 in / 1,250 mm
	Table Depth	19.370 in / 492 mm
Table Weight Capacity		2,204 lbs / 1,000 kg
Spindle Face to Table Surface	Min / Max	3.93 in (100 mm) / 28.93 in (735 mm)
Feed Axes	Travel (X Axis)	41.34 in / 1,050 mm
	Travel (Y Axis)	20.08 in / 510 mm
	Travel (Z Axis)	25.00 in / 635 mm
Rapid Rates		1,654 ipm
Spindle	Spindle Taper	CAT 40
	Maximum Speed	12,000 rpm
	Motor Output (5-Minute Rating)	25.0 hp / 18.5 kw
	Torque	70.4 ft-lbs / 95.5 Nm
(optional)	Motor Output (10% ED)	29.5 hp / 22 kw
(optional)	Torque	81.13 ft-lbs / 110 Nm
Magazine	Number of Tools (Standard)	30
	Number of Tools (Optional)	50
Maximum Tool Diameter	Without Adjacent Pockets Empty	2.95 in / 75 mm
	With Adjacent Pockets Empty	5.94 in / 150 mm
Maximum Tool Length		13.78 in / 350 mm
Maximum Tool Weight		17.64 lbs
Tool Change Time	Tool to Tool	2.2 sec
Tool Change Method		Random selection, shortest path (automatic)
Machine Depth		107.81 in / 2,738 mm
Machine Width		119.68 in / 3,040 mm
Machine Height		118.94 in / 3,021 mm
Machine Weight		12,786 lbs / 5,800 kg

## MAZAK CORPORATION

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