

# VC-Ez Series

## Vertical Machining Center



VC-Ez 20

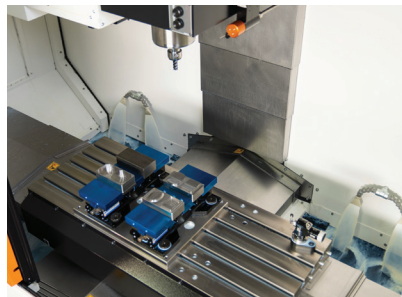
Expanding our legacy of dependable, high-quality vertical machining centers designed and built in Kentucky, the VC-Ez 20 delivers exceptional performance and accuracy with unparalleled value. This compact and durable machine is a perfect fit for any production environment thanks to multiple spindle configurations,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



### 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.

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# 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

8025 Production Drive, Florence, KY 41042

(859) 342-1700

[MazakUSA.com/Ez](http://MazakUSA.com/Ez)

