

# CM-20-02

The CM-20-02 is a long bed vertical machining center designed for flexibility. Whether single-piece production or high-volume mass production, the versatility of the C-Series helps increase your productivity and overall throughput. A monobloc welded steel frame and an advanced motion control system provide the power and rigidity for enhanced performance.



## MACHINE SPECIFICATIONS

### Travels & Capacity

X,Y, Z Machining Area	240 x 26 x 17 in
Table Size	240 x 26 in
Spindle Nose to Table	5 to 22 in

### Spindle

Max. Spindle Speed	12,000 RPM
Spindle Power	33 HP
Spindle Torque	61 ft/lbs

### Tool Changer

Tool Type	CT40
Number of Tools	16

### Feed Rates

Rapid Traverse X, Y, Z	1,200, 1,000, 300 IPM
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### Accuracy

Repeatability Accuracy [in]	X: $\pm 0.0007$ , Y: $\pm 0.0005$ , Z: $\pm 0.0005$
Position Accuracy [in]	X: $\pm 0.002$ , Y: $\pm 0.001$ , Z: $\pm 0.001$

### Size

Max. Operating Floor Space	343 x 120 in
Machine Height	113 in

### Included Upgrade

Rigid Tapping

\*Sizes based on standard 20ft machine. Additional lengths & widths available.\*

## STANDARD FEATURES

- Hand Pendant
- 22" Touch Screen Monitor
- Omron FlexCNC Controller
- Mobile Control Panel
- Through Spindle Coolant
- Auto Tool Changer
- Flood Coolant
- Tool Calibrator
- LED Machine Light
- Ethernet Connection
- Safety Laser Scanner on Front of Machine
- Light Barrier on the Rear of Machine
- 90 Gallon Coolant Tank
- Chip Auger & T-Slot Rails

## OPTIONS

### Convenience

Z-Reader Probe

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### Lubrication

External Air Blast

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Through Spindle Air Blast

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External Micro Spray

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External Oil Spray

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External Paste Spray

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Through Spindle Micro Lube

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### 4th Axis

4th Axis with 10" Platter Adjustable Table and 3 Jaw Chuck

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4th Axis with 16" Platter, Adjustable Table and 3 Jaw Chuck

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Adjustable Manual Tailstock for 10" Platter

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### Fixturing

Pneumatic Vise - Universal

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Pneumatic Vise - For Rounds 10"

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Pneumatic Vise - For Rounds 16"

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Pneumatic Vise - Multi

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### Misc

A/C for Electrical Cabinet

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Chip Conveyor

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