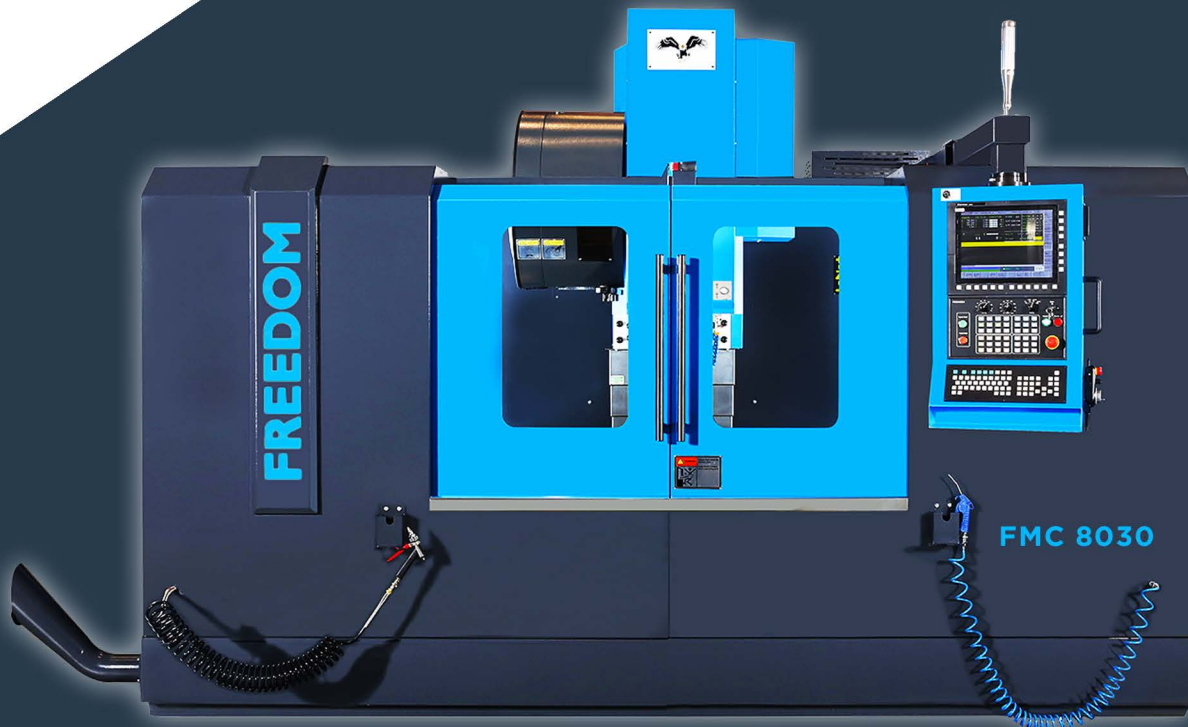




CNC MACHINE TOOL CO.

# FMC 8030

CNC VERTICAL MACHINING CENTER  
with **FREEDOM M** CNC CONTROLLER



YOU NOW HAVE A CHOICE WITH **FREEDOM**.

## STANDARD FEATURES

- COOLANT THRU PREPPED
- DUAL LED WORKLIGHTS
- 15 IN. TOUCH SCREEN COLOR MONITOR
- 4TH AXIS PREWIRE
- 3,000 BLOCK/SEC EXECUTION
- **HIGH SPEED HIGH PRECISION** SOFTWARE
- RIGID BOX WAY CONSTRUCTION
- 12,000 RPM A/O SPINDLE
- DUAL CONTACT SPINDLE NOSE
- 70MM CERAMIC SPINDLE BEARINGS
- 37.5 PEAK HORSEPOWER
- 30 POSITION DUAL ARM TOOL CHANGER
- CHIP AUGER

MACHINE CONFORMS TO UL-508A CERTIFICATION PER SGS PERMIT # SGSNA/19/TW/00028.

# FMC 8030

CNC VERTICAL MACHINING CENTER  
with **FREEDOM M** CNC CONTROLLER

## Specifications

<b>TRAVEL</b>	
X-axis Travel (in.)	80 in.
Y-axis Travel (in.)	32 in.
Z-axis Travel (in.)	30 in.
Spindle nose to table (in.)	5-35 in.
Spindle center to column (in.)	30.2 in.
<b>TABLE</b>	
Table Dimensions (in.)	81.5 x 30 in.
T-Slot Dimensions (in.)	(5) 5.5 x .709 x 1.25 in.
Max. Table Load (lbs.)	4,840 lbs.
<b>SPINDLE</b>	
Spindle Type	Cat-40/BT-40*
Spindle Speed (RPM)	12,000/15,000* RPM
Spindle Motor (HP) Peak	37.5 HP
<b>ACCURACY</b>	
Positioning accuracy	± 0.0003 in. / 12 in.
Repeatability accuracy	± 0.00015 in. / 12 in.
<b>FEED</b>	
Rapid Traverse Rate X, Y, & Z (IPM)	787 / 787 / 590 IPM
Cutting Feedrate (single axis moves up to)	790 IPM MAX.
Ballscrew Diameter X, Y, & Z Axis (mm)	50 mm
Axis Drive Motor X, Y & Z (HP)	5.9, 5.9, 5.9 HP
<b>ATC</b>	
Tool Capacity	30/40*
Tool Change Type	Dual Arm
Tool Change Time (sec.)	1.9 sec. tool to tool
Max. Tool Weight (lbs.)	15 lbs.
Max. Tool Diameter (in.) (with adjacent tool)	4.9 (3.1) in.
Max. Tool Length (in.)	13.8 in.
Tool Selection Method	Random
<b>OTHER</b>	
Machine Dimensions D x W x H (in.)	118 x 218 x 132 in.
with Chip Conveyor	118 x 272 x 132 in.
Machine Weight (lbs.)	35,000 lbs.

All specifications are subject to change without notice.

\*Optional



## OPTIONAL

Coolant Thru 500 PSI System  
4th Axis Servo Disconnect  
5th Axis Servo Disconnect (Simultaneous)  
5th Axis Servo Disconnect (4 + 1)  
5-Axis Vector Software - RTCP/SCTP  
15K Air/Oil Spindle  
FR-8 Rotary Table (Req. 4th Axis Disconnect)  
FTR-8 Tilt Rotary (Req. 4th/5th Axis Disconnect)  
FR-10 Rotary Table (Req. 4th Axis Disconnect)  
FR-15 Rotary Table (Req. 4th Axis Disconnect)  
FR-8 Tailstock  
FR-10 Tailstock  
FR-15 Tailstock  
40 Tool Dual Arm Tool Changer  
6 Inch 3-Jaw Chuck w/ Adapter  
8 inch 3-Jaw Chuck w/ Adapter  
10 inch 3-Jaw Chuck w/ Adapter  
15 inch 3-Jaw Chuck w/ Adapter  
Marposs Hard Wired Tool Presetter  
Marposs Wireless Tool Presetter  
Marposs Wireless Spindle Probe  
Marposs Wireless Probe & Tool Presetter  
Renishaw CAT40 Wireless Spindle Probe w/ Software  
Renishaw BT40 Wireless Spindle Probe w/ Software  
Renishaw Hard Wired Tool Presetter w/ Software  
Renishaw CAT40 Wireless Probe & Tool Presetter w/ Software  
Renishaw BT40 Wireless Probe & Tool Presetter w/ Software  
Chain Type Chip Conveyor

## FEATURES

## FREEDOM M CNC CONTROLLER

### Highlighted Features

4 GB Memory  
3000 Blocks/Sec  
3000 Block Buffer Memory  
15-Inch Touch Screen Monitor

See Freedom M CNC Controller Brochure  
for all features and more information!

Authorized Freedom Dealer



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