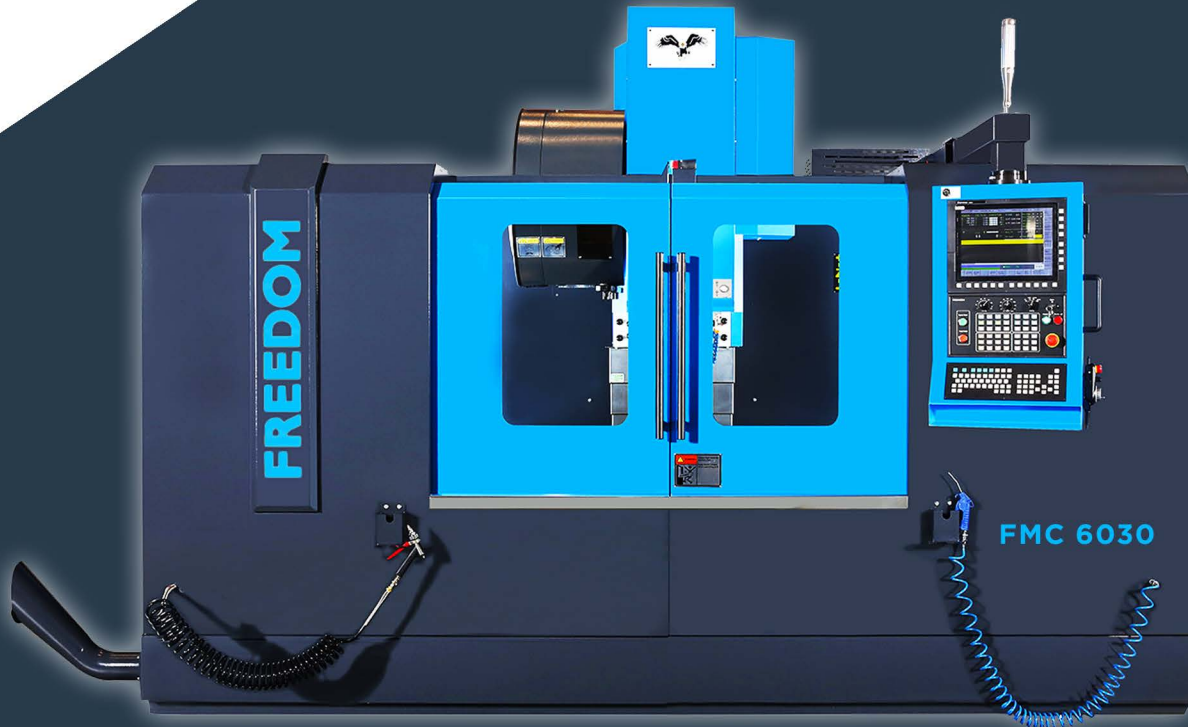




CNC MACHINE TOOL CO.

FMC 6030

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 6030

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

Specifications

TRAVEL	
X-axis Travel (in.)	60 in.
Y-axis Travel (in.)	32 in.
Z-axis Travel (in.)	30 in.
Spindle nose to table (in.)	5-35/13-43** in.
Spindle center to column (in.)	30.2 in.
TABLE	
Table Dimensions (in.)	61 x 30 in.
T-Slot Dimensions (in.)	(5) 5.5 x .709 x 1.25 in.
Max. Table Load (lbs.)	4,400 lbs.
SPINDLE	
Spindle Type	Cat-40/BT-40*
Spindle Speed (RPM)	12,000/15,000* RPM
Spindle Motor (HP) Peak	37.5 HP
ACCURACY	
Positioning accuracy	± 0.0003 in. / 12 in.
Repeatability accuracy	± 0.00015 in. / 12 in.
FEED	
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
ATC	
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
OTHER	
Machine Dimensions D x W x H (in.)	118 x 166 x 132 in.
with Chip Conveyor	118 x 220 x 132 in.
Machine Weight (lbs.)	33,000 lbs.

All specifications are subject to change without notice.

*Optional



OPTIONAL

8 inch Column Riser Block
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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