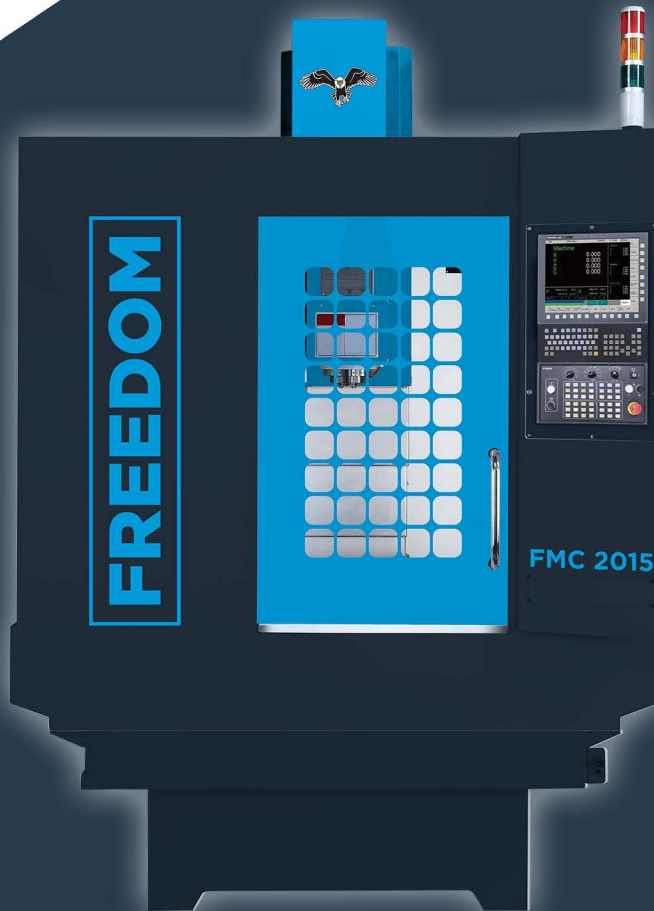




**CNC MACHINE TOOL CO.**

# FMC 2015 40T

*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
- HIGH SPEED HIGH PRECISION SOFTWARE
- 12,000 RPM SPINDLE
- 15 HORSEPOWER
- 20 POSITION DUAL ARM TOOL CHANGER
- 3,000 BLOCK/SEC EXECUTION

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

# FMC 2015 40T

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

## Specifications

|   |                             |
|---|-----------------------------|
| <b>TRAVEL</b>                                 |                             |
| X-axis Travel (in.)                           | 20 in.                      |
| Y-axis Travel (in.)                           | 15 in.                      |
| Z-axis Travel (in.)                           | 16 in.                      |
| Spindle nose to table (in.)                   | 5.9-21.6 in.                |
| Spindle center to column (in.)                | 16.9 in.                    |
| <b>TABLE</b>                                  |                             |
| Table Dimensions (in.)                        | 25.6 x 15 in.               |
| T-Slot Dimensions (in.)                       | (3) 3.94 x .709 in.         |
| Max. Table Load (lbs.)                        | 440 lbs.                    |
| <b>SPINDLE</b>                                |                             |
| Spindle Type                                  | Cat-40                      |
| Spindle Speed (RPM)                           | 12,000 / 15,000* RPM        |
| Spindle Torque (ft. lbs.)                     | 43.5 ft. lbs.               |
| Spindle Motor (HP)                            | 15/10 HP                    |
| <b>ACCURACY</b>                               |                             |
| Positioning accuracy                          | JIS B 6338 ± 0.00015/12 in. |
| Repeatability accuracy                        | JIS B 6338 ± 0.0001/12 in.  |
| <b>FEED</b>                                   |                             |
| Rapid Traverse Rate X, Y, & Z (IPM)           | 1,890 IPM                   |
| Cutting Feedrate (single axis moves up to)    | 790 IPM MAX.                |
| Ballscrew Diameter X, Y, & Z Axis (mm)        | 32 mm                       |
| Axis Drive Motor X, Y & Z (hp)                | 1.8, 1.8, 2.5 HP            |
| <b>ATC</b>                                    |                             |
| Tool Capacity                                 | 20                          |
| Tool Change Type                              | Dual Arm                    |
| Tool Change Time (sec.)                       | 1.0 sec. tool to tool       |
| Max. Tool Weight (lbs.)                       | 6.6 lbs.                    |
| Max. Tool Diameter (in.) (with adjacent tool) | 4 (2.4) in.                 |
| Max. Tool Length (in.)                        | 7.9 in.                     |
| Tool Selection Method                         | Random                      |
| <b>OTHER</b>                                  |                             |
| Machine Dimensions D x W x H (in.)            | 90 x 68 x 94 in.            |
| with Chip Conveyor                            | 108 x 107 x 94 in.          |
| Machine Weight (lbs.)                         | 6,220 lbs.                  |

All specifications are subject to change without notice.

\*Optional



## OPTIONAL

- 4th Axis Servo Disconnect
- FR-5C Rotary Table - Pneumatic (Req. 4th Axis Disconnect)
- FR-5C Rotary Table - Manual (Req. 4th Axis Disconnect)
- FR-6 Rotary Table (Req. 4th Axis Disconnect)
- FR-5C Tailstock
- 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 - ATC Side or Pendant Side

\*Chip Conveyor adds 18 inches of depth to original machine dimensions

## 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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