

# MULTI-PURPOSE GEAR HEAD MILLING MACHINE

DRILLING, MILLING & TAPPING THREE IN ONE



▲ FM-450G



▲ FM-500GIII

■ w/optional protection guard, coolant system, electrical control system.

## SPECIFICATION

MODEL	FM-450G	FM-500GIII
<b>WORKING TABLE</b>		
Table surface	210x730mm (8 <sup>1</sup> / <sub>4</sub> "x28 <sup>3</sup> / <sub>4</sub> "	240x820mm (9 <sup>7</sup> / <sub>16</sub> "x32 <sup>1</sup> / <sub>4</sub> "
Longitudinal travel (X axis)	430mm (16 <sup>15</sup> / <sub>16</sub> "	500mm (19 <sup>11</sup> / <sub>16</sub> "
Traverse travel (Y axis)	275mm (10 <sup>13</sup> / <sub>16</sub> "	350mm (13 <sup>3</sup> / <sub>4</sub> "
Vertical travel (Z axis)	335mm (13 <sup>3</sup> / <sub>16</sub> "	360mm (14 <sup>3</sup> / <sub>16</sub> "
<b>SPINDLE</b>		
Spindle dia.	Ø75mm (3")	
Spindle taper	MT#3 or R8	
Spindle speed	(50HZ) 50~1250 r.p.m. (60HZ) 60~1500 r.p.m.	
Quill travel	120mm(4 <sup>3</sup> / <sub>4</sub> "	
Spindle nose to table	90~425mm(3 <sup>1</sup> / <sub>2</sub> "~16 <sup>3</sup> / <sub>4</sub> "	100~460mm(3 <sup>15</sup> / <sub>16</sub> "~18 <sup>1</sup> / <sub>8</sub> "
Spindle center to column surface	275(10 <sup>13</sup> / <sub>16</sub> "	
Spindle swiveling angle (L&R)	±90°	
<b>MOTOR</b>		
Spindle motor	1HP	1 <sup>1</sup> / <sub>2</sub> HP
Rapid feed of Z axis	1/4HP gear motor (opt.)	1/4HP gear motor (opt.)
Coolant pump	1/8HP (opt.)	1/8HP (opt.)
<b>PACKING</b>		
Dimension (w/stand)	870x890x1920mm (34 <sup>1</sup> / <sub>4</sub> "x35"x75 <sup>1</sup> / <sub>2</sub> "	1050x980x1875mm (41 <sup>5</sup> / <sub>16</sub> "x38 <sup>1</sup> / <sub>2</sub> "x73 <sup>13</sup> / <sub>16</sub> "
Net/gross weight	400/435kgs (880/957 lbs)	700/760kgs (1540/1782 lbs)

\*All specifications and designs are subject to change without prior notice.

## STANDARD ACCESSORIES

- Draw bar
- Chip tray and floor stand
- Chuck arbor
- Leveling base
- Tool box and tools
- Forward / reverse switch (for FM-450G)
- 11/2HP two speed motor (for FM-500GIII)

## OPTIONAL ACCESSORIES

- Two speed motor and switch (2P/4P, 3ph) (for FM-450G)
- Larger motor: 1<sup>1</sup>/<sub>2</sub>HP (for FM-450G)
- Electrical control system
- Tapping function
- Coolant system
- Table power feed & transformer
- Z axis up and down gear motor (1/4HP)
- Hand lubricator
- NT#30 spindle taper