

SPECIFICATIONS:

| Model                      | KMA-1-CNC      | KMA-2-CNC      | KMA-3-CNC      |
|----------------------------|----------------|----------------|----------------|
| <b>WORK CAPACITY</b>       |                |                |                |
| X,Y Travel (in)            | 51.2 x 22      | 59 x 26        | 66.9 x 31.5    |
| X,Y cutting range (in)     | 51.2 x 20.8    | 59 x 24        | 66.9 x 30.7    |
| Z travel (in)              | 21.6           | 23.6           | 23.6           |
| Cutting height (in)        | 19.6           | 27.5           | 27.5           |
| Table size (in)            | 74.8 x 19.7    | 74.8 x 19.7    | 86.6 x 23.6    |
| T slot (in x no x in)      | 0.7 x 5 x 3.15 | 0.7 X 5 X 3.16 | 0.78 x 5 x 4.9 |
| Spindle nose to table (in) | 3.7 - 25.4     | 5.9 - 29.5     | 5.9 - 29.5     |
| Spindle to column (in)     | 22.8           | 26.7           | 33.4           |
| Max table load             | 3,500 lbs      | 5,000 lbs      | 5,000 lbs      |
| <b>VERTICAL HEAD</b>       |                |                |                |
| Spindle speed (Hi-Low)     | 45-1500 rpm    | 45-1500 rpm    | 45 - 1500 rpm  |
| Spindle taper              | NT 50          | NT 50          | NT 50          |
| Spindle motor              | 15 HP (20 opt) | 15 HP (20 opt) | 20 HP(25 opt)  |
| <b>MOTION</b>              |                |                |                |
| Cutting fed rate           | 1.2 - 236 ipm  | 1.2 - 236 ipm  | 1.2 - 236 ipm  |
| Rapid traverse             | 1.2 - 236 ipm  | 1.2 - 236 ipm  | 1.2 - 236 ipm  |
| <b>GENERAL</b>             |                |                |                |
| Gross wt                   | 13,200 lbs     | 17,600 lbs     | 19,000 lbs     |

| Model                          | KMA-1H-CNC     | KMA-2H-CNC     | KMA-3H-CNC     | KMA-4H-CNC     |
|--------------------------------|----------------|----------------|----------------|----------------|
| <b>WORK CAPACITY</b>           |                |                |                |                |
| X,Y Travel (in)                | 51.2 x 33.5    | 59 x 35.4      | 66.9 x 41.4    | 78.7 x 47.3    |
| X,Y cutting range (in)         | 51.2 x 17.7    | 59 x 20.5      | 66.9 x 24.4    | 78.7 x 29.5    |
| Z travel (in)                  | 21.6           | 30.7           | 37.4           | 39.3           |
| Cutting height (in)            | 19.6           | 20.5           | 25.2           | 29.5           |
| Table size (in)                | 74.8 x 19.7    | 74.8 x 19.7    | 86.6 x 23.6    | 102.3 x 27.5   |
| T slot (in x no. x in)         | 0.7 x 5 x 3.15 | 0.7 x 5 x 3.16 | 0.78 x 5 x 4.9 | 0.78 x 5 x 4.9 |
| Max table load                 | 3,500 lbs      | 5,000 lbs      | 5,000 lbs      | 7,000 lbs      |
| <b>VERTICAL SPINDLE</b>        |                |                |                |                |
| Spindle nose to table (in)     | 0 - 22.9       | 0 - 23.7       | 0 - 29.6       | 0 - 31.9       |
| Spindle to column (in)         | 18.9           | 21.6           | 25.6           | 30.7           |
| <b>HORIZONTAL SPINDLE</b>      |                |                |                |                |
| Spindle nose to table top (in) | 0 - 30.7       | 0 - 31.1       | 0 - 37.4       | 0 - 39.3       |
| Spindle to table edge (in)     | 12             | 11             | 13.2           | 15.7           |
| <b>BOTH SPINDLES</b>           |                |                |                |                |
| Spindle speed (Hi-Low gear)    | 45-1500 rpm    | 45-1500 rpm    | 45 - 1500 rpm  | 45 - 1500 rpm  |
| Spindle taper                  | NT 50          | NT 50          | NT 50          | NT 50          |
| Spindle motor                  | 15 HP (20 opt) | 15 HP (20 opt) | 20 HP(25 opt)  | 25 HP          |
| <b>MOTION</b>                  |                |                |                |                |
| Cutting fed rate               | 1.2 - 236 ipm  | 1.2 - 236 ipm  | 1.2 - 236 ipm  | 1.2 - 236 ipm  |
| Rapid traverse                 | 1.2 - 236 ipm  | 1.2 - 236 ipm  | 1.2 - 236 ipm  | 1.2 - 236 ipm  |
| <b>GENERAL</b>                 |                |                |                |                |
| Gross wt                       | 14,300 lbs     | 15,400 lbs     | 18,700 lbs     | 33,000 lbs     |

\* Power Foundation and environmental controls are required.  
 \*\*Specification is subject to change without further notice.

# HEAVY DUTY BED TYPE CNC MILLING MACHINE

MODELS KMA-CNC (VERTICAL SPINDLE)

MODELS KMA-H-CNC (VERTICAL AND HORIZONTAL SPINDLES)

FANUC Oi-MF CNC CONTROL AND DRIVES



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### MODEL KMA-CNC (Vertical Spindle)

- Fanuc Oi-MF CNC control
- 3 axes high precision ball screws with electronic handwheel (MPG)
- Hardened and Ground slideways with TURCITE coating
- Programmable vari speed, manual hi-Low gear
- Electro-Magnetic brake
- #50 taper spindle, power draw bar, coolant system



### MODEL KMA-H-CNC

- 2 spindles, vertical and horizontal, #50 taper



### 5 sided machining

With the optional rotary table and the vertical and horizontal spindles, 5 sided machining can be performed on the machine with only one set up of the work piece.

**Better accuracy.**

**Higher efficiency.**