

# FREJOTH

## Value + Outstanding Features

- 3HP variable-drive head.
- Double saddle locks that provides rigidity.
- Chromed quill-honed head.
- Adjustable gibs.
- Coolant pump built in column.
- The precision ground, heavy duty table with ribs and T-slot.
- Chromed variable discs.
- Dial Indicator.
- One piece column and base with extra ribs and webs.
- Class 7 precision spindle and anti-friction bearing are installed throughout the machine.
- Built-in fine powered quill downfeed.
- Rapid adjusting-fine positioning micrometer nut.
- One shot lubrication system.
- Ram and turret ground dovetail ways are fitted perfectly for less vibration, along with ram locks designed for heavy cutting.
- Hand scraped taper and hand-fitted gibs to ensure extreme long life and accuracy.
- C-70 hardened chrome plated saddle ways and gibs for long life and accuracy.

## Manufactured to Exact Tolerances

|                       | Maximum        |
|-----------------------|----------------|
| • Parallelism         |                |
| • X-axis              | 0.0008"/20"    |
| • Y-axis              | 0.0008"/20"    |
| • Knee                | 0.0008"/20"    |
| • Ram                 | 0.0008"/20"    |
| • Quill Travel        | 0.0005"/5"     |
| • Spindle bore runout | 0.00015"/T.I.R |



Since 1973  
THE LEADER IN QUALITY AND RELIABILITY



## SPECIFICATIONS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| <b>Model</b>                           | F2J                                      |
| <b>Table Size</b>                      | 9" x 48" (228 x 1219mm)                  |
| <b>Table Travel X-Axis</b>             | 36" (914mm)                              |
| <b>Maximum Weight Of Workpiece</b>     | 750 Lbs (340kgs)                         |
| <b>T-Slot Size</b>                     | 5/8" x 3 x 2-1/2" centers (16 x 3x 63mm) |
| <b>Saddle Travel Crossfeed X-Axis</b>  | 12" (305mm)                              |
| <b>Quill Travel Downfeed</b>           | 5" (127mm)                               |
| <b>Knee Travel Z-Axis</b>              | 16" (406mm)                              |
| <b>Ram Travel</b>                      | 12" (305mm)                              |
| <b>Throat Distance</b>                 | Min. 6-3/4" Max. 18-3/4"                 |
| <b>Table To Spindle Nose Gage Line</b> | 2-1/2" (63mm)                            |
| <b>Variable Speed Range</b>            | Low-60-500rpm High-500-4200rpm           |
| <b>Controlled Downfeed Range</b>       | 0.0015" (0.038mm)                        |
| <b>Manual Adjustment</b>               | 0.03"-0.06" (0.76-1.52mm)                |
| <b>Spindle Taper Size</b>              | R8                                       |
| <b>Spindle Diameter</b>                | 1-7/8" (48mm)                            |
| <b>Quill Diameter</b>                  | 3-3/8" (86mm)                            |
| <b>Drilling Capacity-mild Steel</b>    | 3/4" (19mm)                              |
| <b>Boring Capacity-mild Steel</b>      | 6" in dia. (152mm)                       |
| <b>Milling Capacity-mild Steel</b>     | 3/4" (19mm)                              |
| <b>Motor</b>                           | 3HP/30Min., 3-Phase 2HP/Continuous Run   |
| <b>Electrics</b>                       | 210/230/440 Voltage                      |
| <b>Height</b>                          | 80" (2100mm)                             |
| <b>Floor Area</b>                      | 98.5" x 63" (2500 x 1600mm)              |
| <b>Net Weight</b>                      | 1950 Lbs (885kgs)                        |

## OPTIONAL FEATURES

- Horizontal milling attachment
- Right angle attachment
- Dividing head
- Rotary table, horizontal and vertical 8"-12"-Tilting rotary table
- Indexing super spacers 6"/8" with adjustable 3 jaw scroll chuck
- Power feeder unit for X/Y/Z axis
- OZ-25 quick change milling chuck 7pcs/15pcs set
- ER32/ER40 quick milling chucks
- 58pcs clamping kit set
- Economic boring head with shanks
- Digital read out kit for 2axis/3axis
- Mist kit
- Mechanical edge finder
- Electronic edge finder
- Z-axis setter
- Halogen light system
- Drill chucks with key and arbor
- Keyless drill chuck with arbor
- Milling vice with swivel base 5"/6"-Hydraulic vice
- 4"/5"/6"with swivel base
- Spider handle
- R8 precision collet

**FREJO TH INTERNATIONAL LTD.**

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