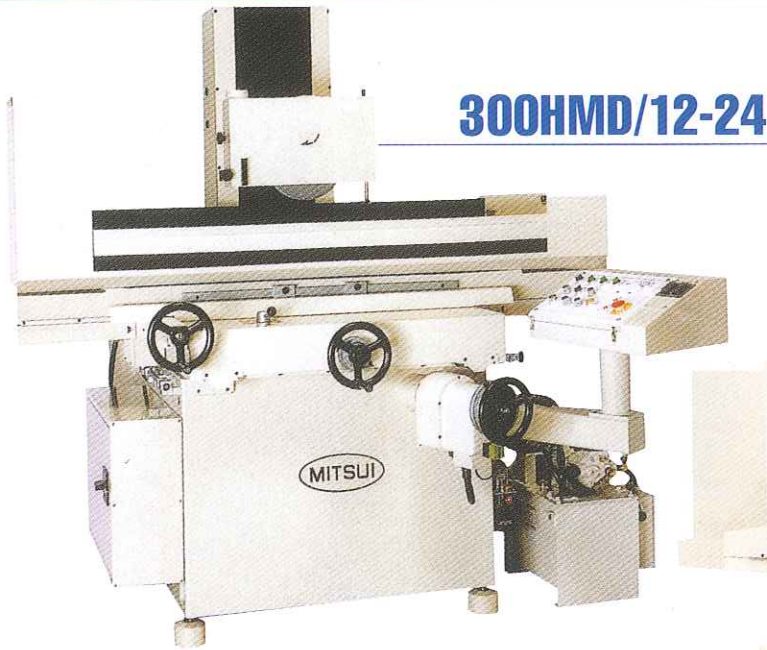


# Fully Automatic Model (Mid Size)

- Longitudinal Feed — Hydraulic
- Cross Feed — Electro Motor
- Vertical Feed — Step Motor

## HMD Standard Features

- Oil Bath System
- Built in Automatic Chuck Control
- Chuck Interlock
- Rough/Finish Auto Down Feed
- V/F Pulse Generator



**300HMD/12-24**



**400HMD/16-32**

Shown with Optional Accessories

| Descriptions |                          | 300HMD                                      |              | 400HMD                   |                |
|--------------|--------------------------|---|--------------|--------------------------|----------------|
|              |                          | Metric                                      | Inch         | Metric                   | Inch           |
| Capacity     | Table Work Surface       | 305×610mm                                   | 12×24"       | 405×810mm                | 16×32"         |
|              | Table Movement           | 350×740mm                                   | 13-3/4×29"   | 440×900mm                | 17-1/4×35-1/2" |
|              | Max. Height              | 620mm                                       | 24-1/2"      | 590mm                    | 23-1/4"        |
| Table        | Table Speed              | 10-22m/min.                                 | 33-72'./min. | 5-22m/min.               | 16-72'./min.   |
|              | C/F Speed (Continuous)   | 0.1-2.4m/min.                               | 5-95'./min.  | 0.2-3.0m/min.            | 8-118'./min.   |
| Head         | V/F Min. Increment       | 0.001mm                                     | 0.0001"      | 0.001mm                  | 0.0001"        |
|              | Automatic Down Feed      | 0.001mm-0.01/10steps(0.0001-0.001"/10steps) |              |                          |                |
|              | V/F Rapid Feed           | 240mm/min.                                  | 9-1/2"/min.  | 180mm/min.               | 7"/min.        |
| Wheel        | Size                     | 305×32×76.2mm                               | 12×1-1/4×3"  | 355×32×127mm             | 14×1-1/4×5"    |
|              | Size (U.S.model)         | 355×32×127mm                                | 14×1-1/4×5"  | 355×32×127mm             | 14×1-1/4×5"    |
|              | Spindle Speed (50/60Hz)  | 1430/1730rpm                                |              | 1430/1730rpm             |                |
|              | w/Variable Speed Control | 500-2000rpm                                 |              | 500-2000rpm              |                |
| Motor        | Spindle                  | 3.7kw 4P V-3(5HP 4P V-3)                    |              | 3.7kw 4P V-3(5HP 4P V-3) |                |
|              | Cross Feed               | 0.2kw 4P(1/4HP 4P)                          |              | 0.4kw 4P(1/2HP 4P)       |                |
|              | Hydraulic Pump           | 0.75kw 4P(1HP 4P)                           |              | 2.2kw 4P(3HP 4P)         |                |
|              | Vertical Feed            | 5 Phase Step Motor                          |              |                          |                |
| Guide&Drive  | Longitudinal Feed        | Linear Ball Bearings / Hardened Steel ways  |              |                          |                |
|              | Cross Feed               | LM Guide & Ball Screw                       |              |                          |                |
|              | Vertical Feed            | Hardend Steel Ways & Standard Screw         |              |                          |                |
| Power        | Power Supply             | 3 Phase 200/220V 50/60Hz                    |              |                          |                |
|              | Permitted Fluctuation    | ± 10%                                       |              |                          |                |
|              | Power Required           | 10KVA                                       |              | 10KVA                    |                |
| Floor Space  | Width×Length×Height      | 2750×1930×2000mm                            | 108"×76"×79" | 3600×2300×2100mm         | 142"×90"×83"   |
| Gross Weight |                          | 2040kg                                      | 4500lbs      | 3800kg                   | 8380lbs        |

## Standard Accessories

- Wheel Adapter with Puller
- Jack Bolts & Base Plates
- Automatic Lubrication
- Metric Hand Tool
- Instruction Manual
- Work Light, Mounted on Column (\*1)

## Optional Accessories

- Over the Wheel Dresser Assy. (Manual, Auto)
- Dust Collector System, Self Contained
- Magnetic Chucks, Permanent or Electro
- Coolant System
- Variable Spindle Speed Control
- Digital Readout System

\*1 Optional for U.S.model