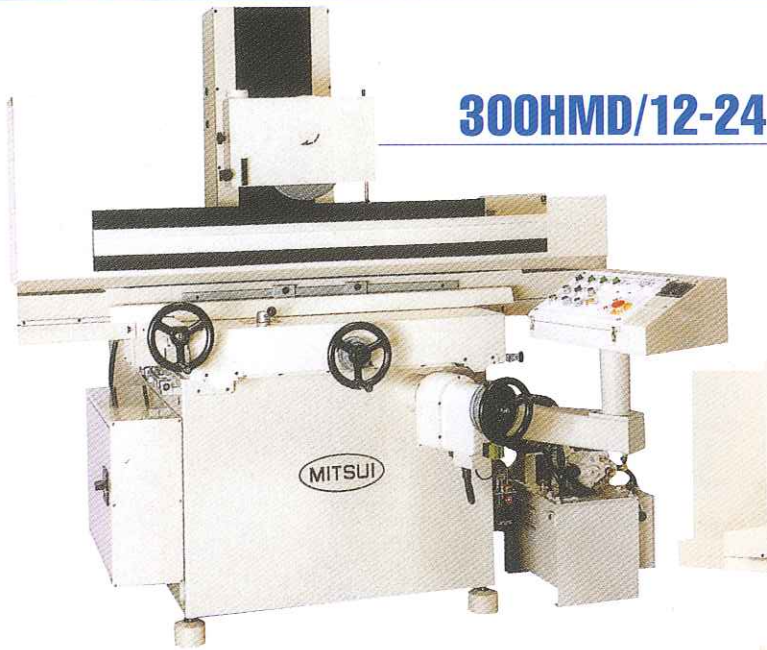


# Fully Automatic Model (Mid Size)

- 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