

Fully Automatic Model

- Longitudinal Feed — Hydraulic
- Cross Feed — Electro Motor
- Vertical Feed — Step Motor(HMD)/Servo Motor(HG)



250HMD/8-18

HMD Standard Features

- Built in Automatic Chuck Control
- Chuck Interlock
- Cylinder Disengage System
- V/F Pulse Generator



■ Mirror Finish Grinding

250HG/6-18

HG Standard Features

- 0.00001" (0.1μ) Vertical Feed w/Scale Feed Back Closed Loop System
- Servo Motor w/Teaching System for Crossfeed
- Touch Panel
- High Rigid Type Cast Iron



Shown with Optional Accessories

Descriptions		250HMD		250HG	
		Metric	Inch	Metric	Inch
Cast Iron	High Rigid Cast Iron(Base/Saddle/Head/Column)	Base Only		Standard	
Longitudinal Feed		Hydraulic		Hydraulic	
Vertical Feed		Stepping Motor		Servo Motor	
Cross Feed		Induction Motor		Induction Motor (OP: Servo Motor)	
Capacity	Table Work Surface	200×480mm	8×19"	200×480mm	8×19"
	Table Movement	250×500mm	10×20"	250×500mm	10×20"
	Max. Height	500mm	20"	400mm	16"
Head	Minimum Increment	0.001mm	0.0001"	0.0001mm	0.00001"
	Automatic Down Feed	0.001-0.01mm/10step	0.0001-0.001"/10step	0.0001-0.0999mm	0.0001-0.00999"
	Rough / Fine Finish Auto Down Feed	Standard		Standard	
Table (C/F)	Movement Per Hand Wheel Rev.	3mm	0.1"	3mm	0.1"
	Movement Per Division	0.02mm	0.001"	0.02mm	0.001"
	Cross Feed Stroke Teaching	N/A		Standard	
Table Speed		5-20m/min.	16-65'/min.	5-20m/min.	16-65'/min.
	w/ Servo Valve (Optional)	N/A		200spm(20mm Stroke)	200spm(3/4" Stroke)
Wheel	Size	205×20×31.75mm	8×3/4×1-1/4"	205×20×31.75mm	8×3/4×1-1/4"
	Spindle Speed (50/60Hz)	2900/3460rpm		2900/3460rpm	
	w/Variable Speed Control (Optional)	500-4000rpm		500-4000rpm	
Motor	Spindle	1.0kw 2P V-3(1-1/3HP 2P V-3)		1.5kw 2P V-3(2HP 2P V-3)	
	Hydraulic Pump	0.75kw 4P(1HP 4P)		0.75kw 4P(1HP 4P)	
Night Operation		Optional		Standard	
Table Interlock		Optional		Standard	
Power	Power Supply	3 Phase 200/220V			
	Permitted Fluctuation	±10%			
	Power Required	7KVA		10KVA	
Floor Space	Width×Length×Height	2390×1530×1800mm	94×60×71"	2500×1550×1800mm	98×61×71"
Gross Weight		1250kg	2750lbs	1340kg	2948lbs

Standard Accessories

- Wheel Adapter with Puller
- Jack Bolts & Base Plates
- Automatic Lubrication
- Oil Bath System
- Short Casting Head
- Metric Hand Tool
- Instruction Manual

Optional Accessories

- Work Light, Mounted on Column
- Over the Wheel Dresser Assy.
- Dust Collector System, Self Contained
- Wet Grinding System
- Magnetic Chucks (Permanent or Electro)
- 2HP(1.5kw) Spindle Motor in Place of 1-1/3HP(1.0kw)
- P.G. Optidress wheel Forming Dresser
- Mitsui Universal Forming Dresser
- Variable Spindle Speed Control