



odel	ASH-4522		ASH-6030
CAPACITY			
Max. Table Size	450 x 225 mm		600 x 300 mm
Permanent Magnetic Chuck	450 x 200 mm		600 x 250 mm
Max. Longitudinal Travel	500 mm		650 mm
Max. Cross Traverse	225 mm		305 mm
Max. Spindle center height above the table (APP.)	425 mm		375 mm
SPEED & FEED			
Max. Table Speed		18 m/min	
Power Cross Traverse		1800 mm/min	
Auto Cross feed Table each reversal		0.5 – 5.0 mm	
Least count of vertical feed hand wheel		0.01 mm	
Least count of micro feed		0.002 mm	
GRINDING HEAD			
Size of grinding wheel (Dia x Width x Bore)	200 x 13 x 31.75 mm		200 x 19 x 31.75 mm
Spindle Motor	1 HP		2 HP
Speed of Grinding Spindle		2800 RPM	
HYDRAULIC SYSTEM			
Working Pressure		10 kg/ cm²	
Hydraulic motor		1.5 HP	
Tank capacity		40 Liters	
GENERAL			
Total Power	4H.P./3Kw		5H.P./3.75Kw
Net Weight (Approx.)	925 KG		1250 KG

Standard Accessories:

- Balancing Stand & Mandrel
- · Diamond Dresser With Holder
- Lubrication Pump
- One Grinding Wheel With Flange
- Wheel Puller
- Electric Motor With Starter
- Tool Kit
- Magnet Chuck Lock Piece.
- · Permanent Magnetic Chuck
- Electric Control Panel.
- Hydraulic System
- Coolant System

Optional Accessories:

- Dro
- Dust Collector
- Electric Magnetic Chuck
- Machine Lamp (230 V Ac)
- Coolant System With Magnetic Separator & Paper Band Filter.
- Radius & Angular Wheel Truing Attachment.
- Vice Plain, Sine, Swivel & Universal.
- · Other Possible Customization.

Structure

The machine is built of heavy-duty high-grade cast iron. Base is built of hand scraped to achieve fine tolerance & accuracy. Longitudinal (X-AXIS) table provide V & Flat (guide) ways lining with TURCITE B for easy movement.

Wheel Head

The Wheel head spindle hardened & ground, runs with precision angular-contact bearings with imported Greece to have long trouble-free service and driven by flange mounted motor through flexible couplings.

Hydraulic System

Separate Hydraulic power pack is duly fitted with 24 V DC pilot operated Solenoid valve. Longitudinal Movement i.e., X – Axis is driven by Hydraulic cylinder for better effects at the end of each Stroke with solenoid valves for soft table reversals.

Cross Slide/Feed

Cross Slide table (Z-AXIS) provide V & Flat (guide) ways lining with TURCITE B for easy movement. The cross feed is through a lead screw and nut. The automatic cross feed at every reversal of the table is provided through engaged with gear mechanism and feed controlled by a solid-state electronic system. The cross feed is infinitely variable to get desirable accuracy and surface finish.

Micro Feed System

Wheel head - slide movement right side in the base. Wheel head feed least count in 0.01 mm and micro feed least count in 0.002 mm.

Note

As improvement are made from time to time. These specifications are subject to change without prior notice and are not binding on us. Inspection at our sight before delivery.

ATUL MACHINE TOOLS

Mfg. of Grinding Machine

Rajkot (Gujarat).