



ATUL MACHINE TOOLS

Mfg. of Grinding Machine

MANUAL

Surface Grinding Machine



SPECIFICATIONS

Model	ASM-4522	ASM-6030
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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	425 mm	375 mm

FEED

Cross feed Least count	0.5 mm
Least count of vertical feed hand wheel	0.01 mm
Least count of micro feed	0.002mm

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	

GENERAL

Total Power	1H.P./0.75kw	2HP/1.5kw
Net Weight (Approx.)	850 kg	1050 KG

Standard Accessories:

- Balancing Stand & Mandrel
- Diamond Dresser With Holder
- Wheel Puller
- Lubrication Pump
- One Grinding Wheel With Flange
- Electric Motor With Starter
- Tool Kit
- Magnet Chuck Lock Piece

Optional Accessories:

- Permanent Magnetic Chuck
- Coolant System
- Machine Lamp (230 V Ac)
- Wheel Flange Unit
- DRO
- Dust Collector
- Electric Magnetic Chuck
- Coolant System With Magnetic Separator & Paper Band Filter
- Radius & Angular Wheel Truing Attachment
- Vice – Plain, Sine, Swivel & Universal
- LM Guideways
- 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. Reciprocation 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.

► 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.

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Rajkot (Gujarat).