



INDIA INTERNATIONAL MARKETING COMPANY



SURFACE GRINDING MACHINES - AMT HYDRAULIC / AUTOMATIC SURFACE GRINDER



FEATURES

- All main parts such as column wheel head table saddle and machine base are provided with heavy wheel flange machine lamp and sturdy design to give higher rigidity of the machine.
- All hand wheels, levers, switches are conveniently grouped at the front of the machine for convenient operation of the machine.
- All slide ways and electrical switch box are sealed from dust, chips and coolant for easy maintenance and longer life of the machine.

- Hydraulic power unit and coolant tank are separated from the machine.
- Wheel Spindle rotates in grease packed angular contact rolling element bearings and directly driven by the motor through a flexible coupling.
- Independent Lubrication system to the guide ways of the table and grinding wheel head (in hyd. models only)

TECHNICAL DETAILS

DESCRIPTION	UNITS	ISG-200	ISG-250	ISG-300
TABLE				
Working Surface	mm	200x500	250x600	300x600
Longitudinal traverse (Max.)	mm	530	630	630
Table traverse per rev, Of hand wheel	mm	100	100	100
No. of T slots	No.	1	2	2
CROSS FEED				
Total cross traverse mm	mm	220	270	320
Movement per rev, of hand wheel	mm	5	5	5
Hand wheel graduations	mm	0.01	0.01	0.01
* Fine feed graduations	mm	0.005	0.005	0.005
WHEEL HEAD				
Vertical Movement	mm	310	310	330
Size of grinding wheel (Ø x width x bore)	mm	200x13x31.75	200x13x31.75	200x13x31.75
Speed of grinding wheel	RPM	2880	2880	2880
Capacity between wheel & table (new wheel)	mm	275	275	275
WHEEL FEED				
Movement per rev, of hand wheel	mm	1	1	1
Hand wheel graduation	mm	0.01	0.01	0.01
* Fine feed graduations	mm	0.005	0.005	0.005
ELECTRICALS				
Wheel head motor	k.w.	0.75	0.75	1.1
Table feed motor	k.w.	0.75	0.75	0.75
Hydraulic pump motor	k.w.	0.75	1.5	1.5
Coolant pump motor	k.w.	0.10	0.10	0.10
* Auto Lubrication motor	k.w.	0.09	0.09	0.09
FLOOR SPACE				
Length x Width	mm	1900x1420	2185x1525	2450x1650

Length x Width x Height of machine	mm	1450x1140x1575	1575x1245x1575	1850x1350x1575
Length x Width x Height of Packing Case	mm	1750x1300x1800	1750x1300x1800	1850x1400x1800

SPECIFICATIONS & DESIGNS ARE SUBJECTED TO CHANGE WITHOUT PRIOR NOTICE

STANDARD ACCESSORIES

- Wheel flange
- Flange puller
- Grinding wheel
- Standard hand tools
- Spindle locking spanner
- Clamp bolts & table guards
- Table mounted wheel dressing block

OPTIONAL ACCESSORIES

- Machine lamp
- Diamond dresser
- Coolant system with tank
- Permanent magnetic chuck
- Fine feed for cross / vertical movement
- Wheel dresser mounted on wheel head
- Antifriction material for guide ways (TURCITE B)

PERFORMANCE

FINISH 025 pm Ra (using 60 grit wheel on hardened test piece)



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