



## DIVERSE Range of Surface Grinding Machines



JAS-ANZ



Accr. No. M3111204IN

(AN ISO 9001 : 2008 COMPANY)

## HIPAT MACHINE TOOLS

PLOT NO.: 1C/90, SEC.- 9, MARKAT NAGAR, CDA, CUTTACK - 753 014 (ODISHA)  
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# TECHNICAL DETAILS

DESCRIPTION	UNITS	HSG-200	HSG-200	HSG-300
TABLE				
Working surface	mm	200x500	250x600	300x600
Longitudinal traverse	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	220	270	320
Movement per rev. of hand wheel	mm	5	5	5
Hand wheel graduation	mm	0.01	0.01	0.01
Fine feed graduation	mm	0.005	0.005	0.005
WHEEL HEAD				
Vertical Movment	mm	310	310	330
Size of grinding Wheel	mm	200x13x31.75	200x13x31.75	200x20x31.75
Speed of grinding Wheel	RPM	2880	2880	2880
capacity between wheel & table	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 graduation	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 REQUIRED				
LengthWidth	mm	1900x1420	2185x1525	2450x650
LengthWidth Height of machine	mm	1450x1140x1575	1575x1245x1575	1850x1350x1575
LengthWidth height of machine	mm	1750x1300x1800	1750x1300x1800	1850x1400x1800

## Indroduction :

These products are the result of our long year of experience in the manufacturing of precision horizontal surface griding machines which require proven design cAreful selection of materials, proper manufacturing techniques and craftsmanship.

## Features

- All main parts such as column, wheel head, table, saddle and machine base are provided with heavy & sturdy design to give higher rigidity of the machine.
- All Hand wheel, levers, Switches are conveniently grouped at the front of the machine for convenient operation of the machine.
- All sides 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 greas packed angular contact rolling element bearing 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 hydraulic model only)

## Standard Accessories

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

## Optional Accessories

- Machine lamp
- Diamond dresser
- Coolant system with tank
- permenent magnetic chuck
- Fine feed for cross/ vertical Movment
- Wheel dresser mounted on wheel head
- Antifrication material for guideways (TURCITE-B)

*Specifications and designs are subject to change without prior notice.*

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