

SPEEDER

Precision surface grinding Machines - Heavy duty Table Type



Outstanding Features :

- Spindle built by 6 pcs. P4 angular contact ball bearings.
- V3 Grade Siemens spindle motor.
- Saddle - Double " V " slideways with Turcite.
- Column - double wall cast iron.
- CAHD 3 axes full automatica control system.
- Base - Double V slideway with turcite.
- Optional 'AND' sereis controller for Plunge/surface/semi-automati and Crisscross Modes.
- AND sereis grinders = Y/Z axis ball screw and servo motor.

Specifications

Capacity

	OSG-4080/CAHD	OSG-4080/AND
Working surface of table	400 x 800 mm	
Max. grinding capacity (LxW)	900 x 440 mm	
Distance from spindle center to table surface	600 mm	
Electro-magnetic chuck (LxW)	400 x 800 mm	

Longitudinal movement of Table

Manual travel	900 mm
Hydraulic traverse	850 mm
Table speed by Hydraulic	0-25 M/min.

Cross movements of Table

Manual travel	450 mm
Auto travel	420 mm
Hand feed per revolution	5 mm
Hand feed per graduation	0.02 / 1 mm
Continuous cross feed 2A/AND	120 mm/min.
Increment cross feed 2A/AND	1-19 mm/min.

Grinding Head Vertical Down feed

Rapid traverse - Approx 2A/AND	240 / 500 mm	
Creep feed - Approx CAHD	29 mm/min.	
Hand feed per revolution	1 mm	0.1 mm /MPG
Hand feed per graduation	0.005 mm.	0.001 mm/MPG
Grinding wheel size OD x T x ID	355 x 38 x 127 mm	
Spindle speeds 50/60 Hz.	1450 / 1750 r.p.m.	

MOTORS

Spindel drive motor	7.5 HP
Hydraulic motor	3 HP
Cross feed motor 2A/AND	80 Watts
Elevation stepping motor 3A/CAHD	80 Watts
Head elevation Rapid servo motor	400 Watts
Machine Dimensions LxWxH	282 x 230 x 226 cm
Machine Net/Gross weight	3200 / 3850 kgs

Standard accessories

- Grinding wheel (ø305 x 32 x 127 mm) 1 pc
- Wheel flange with extractor 1 set
- Balancing arbor 1 pc
- Diamond dresser and base 1 set
- Working lamp 1 pc
- Leveling plate 5 pc
- Leveling screw & nut 5 sets
- T-screw & nut 2 sets
- Tool box with tools 1 set
- Operation manual & Inspection report 1 pc
- Lubricating oil 8 liter
- Touch-up paint 1 pc

Optional accessories

- Electromagnetic chuck
- Demagnetizer
- Digital readout
- Coolant system
- Splash guard
- Optical radius angle dresser
- Wheel balancing stand
- Manual overhead dresser
- Radius dresser
- Punch former
- Angle dresser
- Precision vise
- Wheel flange