

SPEEDER

Precision surface grinding Machines - Heavy duty Column Moving Type



● OSG-6015/AND

Outstanding Features :

- Spindle built by 6 pcs. P4 angular contact ball bearings.
- V3 Grade Siemens spindle motor.
- Column - Honeycombed type rigid cast iron structure.
- All main parts made by high grade Meehanites cast iron.
- Base - Double V slideway with turcite.
- AND series controller for Plunge/surface and crisscross modes.
- AND series grinders = Y/Z axis ball screw and servo motor.
- AND series grinders = Y/Z axis ball screw and step motor.

Specifications

Capacity

	Frejoth No. OSG-5010	OSG-5015	OSG-6012	OSG-6015
Working surface of table	500 x 1050 mm	500 x 1550 mm	600 x 1250 mm	600 x 1500 mm
Max. grinding capacity (LxW)	1050 x 500 mm	1550 x 500 mm	1250 x 600 mm	1500 x 600 mm
Distance from spindle center to table surface	600 mm - Optional-700 mm			
Electro-magnetic chuck (LxW)	500 x 1000 mm	500 x 1500 mm	600 x 1200 mm	600 x 1500 mm

Longitudinal movement of Table

Manual travel	1150 mm	1150 mm	1350 mm	1650 mm
Hydraulic traverse	1100 mm	1600 mm	1300 mm	1600 mm
Table speed by Hydraulic	3-25 mm/min.			

Cross movements of Table

Manual travel	575 mm	675 mm
Auto travel	550 mm	650 mm
Hand feed per revolution	5 mm	
Hand feed per graduation	0.02 mm	
Continuous cross feed	1000 mm/min	
Increment cross feed	0.1-20 mm	

Grinding Head Vertical Down feed

Rapid traverse - Approx	250 mm/min.	
Creep feed - Approx		
Hand feed per revolution by MPG	x1 : 0.1 mm / x5 : 0.5 mm / x10 : 1 mm	
Hand feed per graduation by MPG	x1 : 0.001 mm / x5 : 0.005 mm / x10 : 0.01 mm	
Grinding wheel size OD x T x ID	355 x 38 x 127 mm	355 x 50 x 127 mm
Spindle speeds 50/60 Hz.	1450 / 1750 r.p.m.	

MOTORS

Spindel drive motor	7.5 HP - Opt : 10 HP		7.5 Kw (10 HP)	
Hydraulic motor	3 HP	5 HP	3 HP	5 HP
Cross feed motor	1/4 HP			
Head elevation Rapid servo motor	500 Watts			
Machine Dimensions LxWxH cm	360 x 228 x 250	450 x 228 x 250	420 x 240 x 250	450 x 240 x 250
Machine Net/Gross weight kgs	5900 / 6900	7100 / 8600	6600 / 7900	7500 / 9000

Standard accessories

- Grinding wheel
- Flange
- Removal tools of the wheel
- Balancing arbor
- Wheel is repaired one and diamond to repair the Knife
- Tool box with tools
- Adjusting level screws and blocks
- The instruction manual and inspection chart
- Lubricating oil
- Working lamp

Optional accessories

- Electro-magnetism and the diamagnetism controller
- Manual parallel repairing device
- Single axis parallel repairing device
- Auto-parallel repairing device
- The paper tape type filters machine
- The electromagnetic paper filters machine
- Coolant tray
- Digital read out
- The frequency converter of the wheel's spindle



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