

**Technical Specifications (Surface Cum  
Edge Grinding Machine )**

<b>Models</b>	<b>Type</b>	<b>Width &amp; Length of Electro Magnet Table</b>	<b>Grinding Capacity</b>	<b>Grinding Wheel Dia</b>	<b>Grinding Motors(H.P)</b>
PMS/60 EXPORT	(A)	60" x 6"	1550 x 150 mm	10"	7.5 H.P. & 1/2 H.P.
PMS/60 EXPORT	(B)	60" x 8"	1550 x 200 mm	12"	10 H.P. & 1/2 H.P.
PMS/72 EXPORT	(A)	72" x 6"	1850 x 150 mm	10"	7.5 H.P. & 1/2 H.P.
PMS/72 EXPORT	(B)	72" x 8"	1850 x 200 mm	12"	10 H.P. & 1 H.P.
PMS/84 EXPORT	(A)	84" x 8"	2150 x 200 mm	12"	10 H.P. & 1 H.P.
PMS/84 EXPORT	(B)	84" x 10"	2150 x 250 mm	14"	15 H.P. & 2 H.P.
PMS/100 EXPORT	(A)	100" x 8"	2550 x 200 mm	12"	10 H.P. & 1 H.P.
PMS/100 EXPORT	(B)	100" x 10"	2550 x 250 mm	14"	15 H.P. & 2 H.P.
PMS/120 EXPORT	(A)	120" x 8"	3100 x 200 mm	12"	10 H.P. & 1 H.P.
PMS/120 EXPORT	(B)	120" x 10"	3100 x 250 mm	14"	15 H.P. & 2 H.P.

PMS/120 EXPORT	(C)	120" x 12"	3100 x 300 mm	18"	25 H.P. & 2 H.P.
PMS/156 EXPORT	(A)	156" x 8"	4000 x 200 mm	12"	10 H.P. & 2 H.P.
PMS/156 EXPORT	(B)	156" x 10"	4000 x 250 mm	14"	15 H.P. & 2 H.P.
PMS/156 EXPORT	(C)	156" x 12"	4000 x 300 mm	18"	25 H.P. & 2 H.P.
PMS/180 EXPORT	(A)	180" x 10"	4600 x 250 mm	14"	20 H.P. & 3 H.P.
PMS/180 EXPORT	(B)	180" x 10"	4600 x 300 mm	18"	25 H.P. & 3 H.P.
PMS/180 EXPORT	(C)	180" x 14"	4600 x 350 mm	20"	35 H.P. & 2 H.P.

## Machines Constructions

### Machine Bed

Wedled, modular construction principle. Smooth inner area for good cooling water drainage & easy cleaning.

### Guideways

Hardened and ground steel bands for main and side guides, easily exchangeable.

### **Electro Magnetic Table**

Fixed for flat grinding with total table coverage, in Electro-Magnetic Design. Electro-Magnetic swivelling table for flat, bevel and multi surface grinding in one setting up operation, swivelling 360, multiple bearing points with large diameter journals for maximum rigidity additional clamping sides with 'T' slots & clamps.

Electro Magnetic Table locking, by hand.

### **Grinding Head Carriage**

Heavy Casting mounting on four reels with eight New-Departure dust proof ball bearings which act as rollers. Four reels guide the carriage in the carriage ways of the bed. The sliding base, mounted on the top of the carriage, is adjustable to feed the grinding segmental or cup-wheel to the knife. The motor base can be swiveled 10 to 25 degrees, so that the knife can be ground either straight or concave as paper knives require only 5 degrees swivel of motor base.

### **Down-Feed for Grinding Tool**

Multiple spindle system for play and weight equalisation. Automatic Down-Feed also available.

### **Grinding Motors**

SIEMENS OR NGEF Brand.

### **Grinding Head**

Cylindrical type bonded to flange for light grinders, segmental heads for heavy grinding machines. For quick re-setting or changing of the segments, an easily accessible changing station is situated at the rear of the machine. To ensure vibration – free running, all grinding wheel flanges and segmental heads are fitted with adjustable balancing

weights. For obtaining maximum segment use, patented segment savers can be used.

### **Cooling System**

Water tank attached with the machine. Cooling fluid application by the electro-coolant pump.

### **Electrical Unit**

All electrical controls are housed in the master panel board.