

PRECISION CENTRELESS GRINDER



"PARCO" CENTRELESS GRINDING MACHINE IS INTENDED FOR GRINDING OF CYLINDRICAL PARTS TO A HIGH DEGREE OF PRECISION. STRAIGHT PARTS AND PARTS WITH SHOULDERS, AS WELL AS TAPERED PARTS & PARTS OF VARIOUS SHAPES CAN BE GROUND WITH EQUAL EASE. BY USING SUITABLE GRADES OF GRINDING WHEELS, THESE MACHINES CAN GRIND STEEL, HARDENED & UNHARDENED - BRASS, COPPER, ALUMINIUM OR ANY OTHER METAL. ALL CONTROLS ARE CONVENIENTLY PLACED WITHIN THE EASY REACH OF THE OPERATOR.

GRINDING WHEEL HEAD :

THE GRINDING WHEEL HEAD SPINDLE IS MADE FROM EN-9 STEEL & IS DULY HARDENED & GROUND TO CLOSE TOLERANCES. IT RUNS IN PRECISION TAPER ROLLER BEARINGS OR PHOSPHER BRONZE BUSHES.

CONTROL WHEEL HEAD :

CONTROL WHEEL GIVES SAFE SUPPORT TO THE WORK PIECE DURING GRINDING OPERATION. IT ALSO REGULATES THE CIRCUMFERENTIAL SPEED AND THE RATE OF THE FEED OF THE WORK PIECE. THE CONTROL WHEEL HEAD SPINDLE IS ALSO MADE FROM EN-9 STEEL AND DESIGN IS SIMILAR TO THAT OF THE

GRINDING WHEEL HEAD. THE SPINDLE & HOUSNG CAN BE SWIVELLED UPTO 5°.

WORK REST :

THIS IS AN ESSENTIAL PART OF THE CENTRELESS GRINDERS. THE JOB IS MOUNTED ON THE WORK PLATE DURING THE GRINDING OPERATION.

ELECTRICALS :

THE MAIN MOTOR OF 5 HP IS PROVIDED FOR THE WHEEL HEAD, WHEREAS THE 1 HP PROVIDED FOR THE CONTROL WHEEL 0.10 HP COOLANT PUMP WITH A COOLANT TANK IS ALSO PROVIDED AS A STANDARD EQUIPMENT.

TECHNICAL SPECIFICATIONS In mm

Model	PC - 2
Through Feed Grinding	3 to 75
Max. angle for taper work	5°
Dimension of grinding wheel	Dia x Width x Bore 350 x 100 x 125
Dimensions of control wheel	Dia x Width x Bore 225 x 100 x 75
No. of control wheel speed	3
Speed of grinding wheel	3
Grinding wheel motor (1440 RPM)	5 H.P.
Control wheel motor (1440 RPM)	1 H.P.
Coolant motor	0.10 H.P.
Floor space	750 x 1000
Weight kgs.	1750 Kgs.

STANDARD EQUIPMENT

ELECTRICALS, CONSISTING OF 5 HP MOTOR, 1 HP, 0.1 HP, COOLANT PUMP MOTOR & CONTROL PANEL GRINDING WHEEL, CONTROL WHEEL & DRESSING ATTACHMENT.

EXTRA EQUIPMENT :

LONG BAR FEED ATTACHMENT, PHOSPHER BRONZE BUSHES IN WHEEL HEAD IN LIEU OF TAPER ROLLER BEARINGS, WHEEL BALANCING STAND.

Note : In view of continuous development, we reserve the right to change the designs and/or dimensions without notice.

MACHINERY & SPARES

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