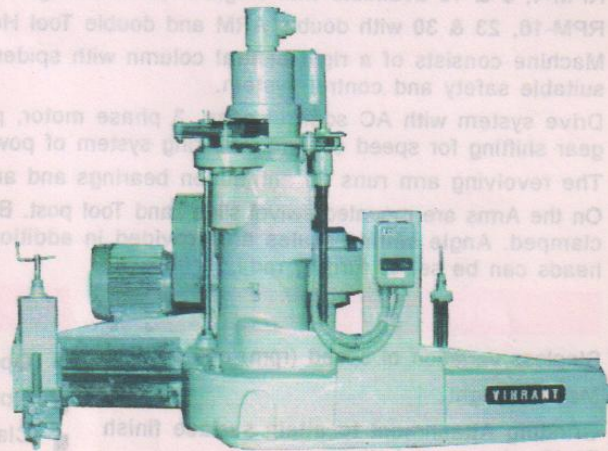


VIBRANT

SPECIAL MACHINES

Portable Radial Planing / Flange Turning Machine

RPM Series



Single arm, with swivel slide

Double arm

TECHNICAL SPECIFICATION

	RPM- 4	RPM-8	RPM-16	RPM-23	RPM-30
Min/Max dia (plain surface) planed/turned (mm)	0-400	350-800	440-1600	850-2300	1600-3000
Inside taper face at 30° (approx) (mm) at 45°	100-300 45-250	500-700 500-650	1000-1400 900-1300	1000-1900 1200-1900	1900-2800 1800-2700
Outside taper face at 30° (approx) (mm) at 45°	0-200 0-225	350-500 350-550	850-1200 900-1300	1000-1840 1200-1900	1500-2500 1600-2500
Clamping range (approx) (mm)	100x500	475-900	1000-1600	1200x2380	2000x3150
No. of arms & cutter heads	1	1	1 OR 2	2	2
Swiveling of slide	±20°	±20°	-	-	-
Swiveling of top post	±45°	±45°	-	-	-
Rotational speed of arm(rpm)	10 to 50 (in 4 steps)	2 to 10 (in 3 steps)	2 to 10 (in 3 steps)	a) 0.79, 1.63 & 2.35 b) 1.58, 3 & 4.17	0.5-3 (in 3 steps)
Facing feed (mm/rev)	0.1, 0.2, 0.3	0.1, 0.2, 0.3	0.1, 0.2, 0.3	a) 0.1-0.30 in 3 steps b) 0.3-5 in 4 steps.	0.1, 0.2, 0.3
Tool cross section (mm)	16x16	16x16	16x16	25x25	25x25
Depth of cut (approx)(mm) at 0.2 mm/rev. feed	2	2	3	4	4

	RPM- 4	RPM-8	RPM-16	RPM-23	RPM-30
Traverse of Tool head-axial	40	50	60	100	100
Traverse of Tool head radial	100	120	180	200	200
Approx Net weight (kg)	400	450	1000	2500	3000
Packing case size (mm)	1500x1500x1000	1800x1200x800	3000x1500x1000	3500x1500x1400	4500x1500x1400
Power (HP)	1	1.5	2 OR 3	5	5
Supply	415v 3 phase 50 HZ AC.				

TECHNICAL FEATURES

- RPM-4, 8 & 16 available with single ARM and single Toolhead configuration.
- RPM-16, 23 & 30 with double ARM and double Tool Head version.
- Machine consists of a rigid central column with spider arms with its in-built drive system, with suitable safety and control system.
- Drive system with AC squirrel cage, 3 phase motor, pinion, bull gear and reduction drive with gear shifting for speed change. Slip-ring system of power supply is provided.
- The revolving arm runs on antifriction bearings and an ingenious slewing system.
- On the Arms are mounted swivel slide and Tool post. Both can be swiveled to a limited range and clamped. Angle setting scales are provided in addition to scales on the arms, so that the tool heads can be set at turning radii.

SPECIAL ACCESSORIES

- Stepless variation of speed (rpm) and feed
- Machine light.
- Grinding Attachment to attain surface finish Rt 16 microne or better. .
- Machine Mounting fixtures (to be welded to job) as per customer requirement.

STANDARD ACCESSORIES

- Operation & Maintenance Manual
- Operation & Maintenance tools
- Clamping pads & bolts
- Mechanical Guards

USES OF THE MACHINE

- The machine can be positioned with respect to/on the job in any orientation.
- Machining of flanged pipes, circular plate/structures with without central bore, valves, flanges of vessels and containers for maintenance.
- Ideal for in situ operation for any heavy turning/planning duty at awkward setting.

OTHER PRODUCTS OF VIKRANT

- COIL WINDING MACHINES for Electrical Industries - Horizontal & Vertical
- Tangential Threading Machines
- Hydraulically operated MATERIAL HANDLING EQUIPMENT e.g. SCISSORS LIFT, TELESCOPIC PLATFORM etc.
- SPM's
- WELDING & Assembly Manipulators.
- FIXTURES for Automobile production/Assembly line.

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