

RAMAN

Universal Tool & Cutter Grinder



- ✓ Reliable
- ✓ Affordable
- ✓ Easy to Operate
- ✓ High Performance

Universal Tool & Cutter Grinder

RAMAN Tool & Cutter Grinder is a robust machine capable of dealing with a wide range of tool and Grinder operations. It is available as a steel cabinet mounted, machine is designed for the rapid sharpening of H.S.S. Milling cutters, Cutters, Spiral mills, Metal slitting saws and Face cutters, Reamers, Tap and with suitable attachments lathe tools and Mills formed cutter etc.

A totally enclosed wheel head motor with a double ended spindle carriers one standard and one extended wheel adaptor which can be mounted on either and will receive both the cup and dish wheels supplied with the machine. The spindle, which runs at 2800 R.P.M. is controlled by reversing switch built into the main body of the machine. The wheel head is mounted on an engraved base plate which can swivel through 360° and can be hand wheel at the base of the machine. The column can be looked in any position and movement can be accurately controlled by means of a friction mounted micrometry dial.

The upper work table is provided with the slot which not only serves as means of fixing the tooth rest etc. but also enables accurate location of the loose centre heads. It is graduated either side of the zero setting and can swivel through 180° Provision is also made taper setting in inches per Foot.

Longitudinal movement of the table is obtained from a rack pinion operated by conveniently placed Handle or if required can be operated by hand pressure only. The table is located on accurately machined vee and flat guideways and is fitted with adjustable stops which can limit the movement of the table in and position.

Cross travers is accurately controlled by a hand wheel situated at the front of the machine which is fitted with a friction mounted dial.

STANDARD EQUIPMENTS

Set of Loose Centre Heads complete with centre
Compound Universal Work support
Universal Tooth Rest
Tool Sharpening Vice

EXTRA EQUIPMENTS

Hob Cutter Grinding Attachment
Tap Relieving Attachment
Radius Grinding Attachment
Index Attachment with Truechuck-80mm
Chaser Grinding Attachment
Drill Grinding Attachment

S.No.	S P E C I F I C A T I O N S	RAMAN-1	RAMAN-2
1.	Swing over table (Dia)	230 mm	305 mm
2.	Maximum distance between centres	305 mm	560 mm
3.	Table longitudinal traverse	325 mm	510 mm
4.	Table Cross traverse	200 mm	205 mm
5.	Table Dimensions	530x142 mm	805x156 mm
6.	Tee Slots width	10 mm	12 mm
7.	Centre of wheel above table	290 mm	330 mm
8.	Table Swivel	90°	90°
9.	Head Swivel	360°	360°
10.	Grinding Spindle Speed	2800 RPM	2800 RPM
11.	H.P. of motor	1 HP	1 HP
12.	Floor are occupied	900x750 mm	1120x920 mm
13.	Height of the machine	1550 mm	1680 mm
14.	Weight of the machine with standard accessories	500 Kg	650 Kg

NOTE : We make improvements in the designs of the products. Hence the product supplied may have difference from these those mentioned in the catalogue.



RAMAN MACHINERY CORPORATION

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