

**Product Name :**  
Tool & Cutter Grinder

**Product Code :**  
gm0005



## Description :

Tool & Cutter Grinder

## Technical Specification :

The Universal Tool & Cutter Grinder is a robust machine capable of dealing with a wide range of tool & cutter Grinder operations. It is available as a steel cabinet mounted, machine and is designed for the rapid sharpening of H.S.S. milling cutters, spiral mills, metal slitting saws side and face cutters reamers, tap and with suitable attachments lathe tools, end mills formed cutters etc. A totally enclosed wheel head motor with a double ended spindle carries one standard and one extended wheel adaptor which can be mounted on either end and will receive both the Cup and dish wheels supplied with the machine. The spindle, with 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 360D and can be clamped in any position. It is supported by a cast iron column having vertical adjustment, by means of a hand-wheel at the base of the machine. The column can be locked in any position and movement can be accurately controlled by means of a friction mounted micrometer 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 180D Provision is also made for taper setting in INCHES per FOOT. Longitudinal movement of the table is obtained from a rack pinion operated by a conveniently placed Handle or, if required, can be operated by hand pressure only. The table is located on accurately machined vee and flat ways and is fitted with adjustable stops which can limit the movement of the table in any position. Cross traverse is accurately controlled by a hand wheel situated at the front of the machine which is fitted with a friction mounted micrometer dial. STANDARD EQUIPMENTS Universal Work Head Indexing Tooth Rest Set of Centre Heads Hilder for Diamond Dresser Reversing Switch 3 dia. Electric Motor STANDARD EQUIPMENTS Hob Grinding Attachment Drill Grinding Attachment Radius Grinding Attachment Chaser Grinding Attachment Tap Lead Grinding

Attachment TOOL KIT Panel Lock Key L-Keys 5/32" & 3/16" Adaptor Puller Pressure Oil Can Double Ended Spanner Adaptor Nut Box Spanner Cup Shaped Grinding Wheel 4" x 2", 1" Bore Dish Shaped Grinding Wheel 6" x 1/2", 1" Bore

wing over table (Dia)	230 mm	305 mm	350 mm
Maximum distance between centres	305 mm	560 mm	660 mm
Table Longitudinal traverse	305 mm	510 mm	610 mm
<b>Table Cross traverse</b>	200 mm	205 mm	255 mm
Table Dimensions	530 x 142mm	805 x 156 mm	1015 x156mm
Tee Slots width	10 mm	12 mm	12 mm
Centre of wheel above table	280 mm	330 mm	350 mm
Head Swivel	90°	90°	90°
Head Swivel	360°	360°	360°
Grinding Spindle Speed	2800 rpm	2800 rpm	2500 rpm
H.P. of Motor	1 HP	1 HP	1 HP
Floor arer occupied	900 x 750mm	1120 x 920mm	1500 x 950mm
Height to the machine	1500 mm	1680 mm	1500 mm
Weight of the machine with standard accessories	500 kg	670 kg	825 kg

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