

UNIVERSAL TOOL & CUTTER GRINDER



Functional Versatility

The grinding machine basically designed for sharpening and recondition wide range of high speed and carbide tipped tools as side & face milling cutters, cylindrical cutters, angle cutters, convex & concave cutters, gear hobs, end mills, shell mills reamers, drills, taps etc.

Construction

Wheel Head: It is of rigid construction and holds the spindle assembly. It can be fitted horizontally and swiveled vertically full 360 degree, for quick setting of compound angles. Wheel head is mounted on the rigid column, which can be raised/lowered up/down. Wheel head also can be adjusted 150 mm on cross direction.

Wheel Head Spindle: Alloy steel hardened and ground spindle is mounted on precision preloaded radial ball bearings, which are greased packed. The grinding wheels can be mounted on both sides of the spindle and the wheels mount design is such that the spindle can be reversed.

Work Table: This is mounted on the carriage and can be swiveled 45 degrees on either side of the column. This table has a smoother and rapid movement longitudinally on the carriage through a roller chain guided and supported in jibs. Slow movement is through a reduction gearbox. Change over from rapid to slow movement is through a push/pull knob. The precise movement on roller chain enables smooth, sensitive and accurate longitudinal movement even with heavy jobs. The adjustable reversing dogs on the work table are spring loaded for shockproof reversal of table.

Auxiliary Table: This table is mounted on work table and in both horizontal and vertical planes. It can hold job up to 600 mm with the aid of raising blocks. It's spindle nose has ISO 50/MT 5 tapers and the spindle is mounted to taper roller bearings.



ASIA MACHINES

TECHNICAL SPECIFICATIONS

Specifications		UTC-250 TM	UTC-250 T	UTC-280 T
Max. swing on std. center	mm	250	250	280
Swing with raising blocks	mm	350	350	380
Length between work head And RH tail stock	mm	330	520	610
Admit between centers	mm	440	670	760
Max. height center of wheel Above table	mm	300	300	380
Longitudinal traverse	mm	400	480	510
Cross traverse	mm	200	250	250
Swivel either side of centre(End scale)	deg.	-	9	9
Swivel LH/RH of column (Center scale)	deg.	45 ⁰ /45 ⁰	45 ⁰ /45 ⁰	45 ⁰ /45 ⁰
Size of table	mm	750x115	920x140	1010x140
Vertical adjustment of wheel head	mm	210	210	290
Wheel Head Swivel	deg.	3600	3600	3600
Tilting in either direction	deg.	180 ⁰ ±	180 ⁰ ±	180 ⁰ ±
Spindle speed	rpm	3800/5600	3800/5600	3800/5600
Motor power	KW/HP	0.75/1	0.75/1	0.75/1
Net weight of the machine	kg.	750	1150	1250
Gross weight of the machine	kg.	900	1350	1450
Dimension of Machine (L x W x H)	mm	1075 x 1100 x 1400	1325 x 1170 x 1460	1325 x 1170 x 1460

Illustrations & specifications are not binding in detail & are subject to modification & improvement without notice.

Standard Equipment :

Universal cutter head with Mt-3 adpater sleeves
 Right hand, quick acting spring loaded center tail stock
 Left hand center tail stock
 Diamond holder (excluding)
 Plain tooth rest and extension with one blade
 Universal tooth rest and extension and micro adjustment to blade
 Center height gauge
 Center with morse taper no. 3
 Wheel guards with guard holder - 3 nos
 Grounding wheels - 3 nos
 All necessary spanners and wrenches
 Suitable electricals
 Maintenance and instructions manual

Special Accessories :

Cylindrical external grinding attachment
 Cylindrical internal grinding attachment
 A) swivel vice B) 2-way & 3-way swivel vice
 Face, milling cutter grinding attachment
 Radius grinding attachments
 Long reamer grinding attachment
 Gear milling cutter grinding attachment
 Angular wheel dressing attachment
 Radius dressing attachment
 Hob grinding attachment
 Dust exhausting unit
 Static wheel balancing unit
 Collapsible bellows for column

Other Extra Requirements:

- * Collet Attachment & Collets * 4" Self Centering Chuck * Positive Indexing Attachment
- * Extension Piece for Internal Grinding Spindle * Cutter Arbors * Wheel Flanges
- * Dressing Diamond * Machine Lamp with Transformer

AHMEDABAD - GUJARAT (India) Website: www.asiamachines.com
 E-mail: pragnesh@asiamachines.com Yahoo: pragnesh_dudhaiya@yahoo.com
 Mobile: +91-98242-89848 & +91-96876-28899