

A Quality Product



Model : ATC-1

1965  
SINCE



We are approved by  
एन एस आई सी  
**NSIC**  
ISO 9001 : 2008

Everything is Possible  
It's a Matter of Efforts

Universal Tools  
&  
Cutter Grinder

**Manufacturers as per your Specifications**

Wood Working Machinery,  
Universal Tools & Cutter Grinder,  
Fully Hydraulic Hacksaw & SPM Machine

**Akshar**  
MACHINE TOOLS

**AKSHAR UNIVERSAL TOOLS & CUTTER GRINDER** is a compact and unique **TOOLS & CUTTER GRINDER** designed to perform almost all the regrinding operations accurately and quickly. In spite of a very compact machine, it is rugged in design. Following are the special features incorporated in this Model :

### SPECIFICATIONS :

#### (A) FUNCTIONAL PARAMETERS

	MM
» Maximum Diameter of cutter that can be grind.....	250 mm
» Maximum Distance Between centres.....	300 mm
» Maximum Length of cutting edges grind.....	260 mm
» Grinding spindle speeds.....	4600 RPM
» Swing diameter on Standard centres & work head.....	275 mm
» Working surface of table.....	450 x 125
» Longitudinal Traverse.....	200 mm
» Cross Traverse.....	150 mm

#### (B) PACKING & INSTALLATION

	MM
» Base of the machine.....	599 x 430
» Floor Area occupied.....	765 x 1145
» Height of the machine.....	1375 mm
» Weight of the machine with standard accessories.....	325 kg.
» Dimensions of packing Box.....	1525x915x915
» Gross Weight Approx.....	350 kg.
» Electric Motor.....	0.5 HP - 2800 RPM

### GENERAL :

- » The provision of tilting head simplifies the cutting face angle quickly & accurately.
  - » Workhead holding fixture is fully adjustable with swivel base.
  - » An adjustable stopper limits the longitudinal table reciprocation movement.
- Ruggedness & Versatility are the main features of our Machine which is capable of re-sharpening a variety of jobs ranging from HSS to carbide tip tools.

Almost all cylindrical side & face, involute gear, concave as well as convex cutters, Bevel lead angle reamers & cutting face of tap flute can be re-sharpened with standard accessories.

Regrinding of boring machine cutter drill point, tap lead & radius grinding jobs can be done without problem with extra accessories.

### STANDARD ACCESSORIES :



**DIVIDING HEAD (BEARING TYPE) :**  
For Regrinding of all type of Taps and Drilling Tools & Slitting of Tapered Collet.



**DIVIDING HEAD (BEARING TYPE) :**  
For Regrinding Milling Cutter CNC Tools Cutter, Wooden Cutter, all Router Cutters, Circular Saw Cutter (Wooden) & Boring Machine Cutter.

**Extra Accessories :-** MT-3 Main Arbour, Drill Chuck & Chuck Main Arbour.



**DIVIDING HEAD (BEARING TYPE) :**  
For Regrinding Various Type of End Wheel Cutter.

**Extra Accessories :-** MT-3 Thru Chuck of 4" & Main Arbour.



**BETWEEN CENTRE :**  
For Getting Perfect Centre of Cutter Rerinding upto 12' approx.

**Extra Accessories :-**  
Main Arbour of Between Centre.

### EXTRA ACCESSORIES :



**SPECIAL APPLICATIONS :**  
Radius Dressing Attachment For Adjusting Concave & Convex Reckless Radius in Stone & Also use for Grinding Cup Wheel Stone.



**UNIVERSAL VICE :**  
For Tooling, CNC Tool Grinding, Lathe Machine, Shaping Machine etc, Tool Regrinding Wooden Bits Designing, Slitting of Tapered Collet, Grinding & Cutting Thru Chuck Clamps.



### ACCESSORIES :

#### (A) STANDARD ACCESSORIES SUPPLIED WITH MACHINE :

- » Steady with Centres
- » Dividing Head (Bearing Type) with stopper
- » Wheel extension shaft
- » Spanner 2 Nos.

#### (B) EXTRA ACCESSORIES AS PER ORDER AT EXTRA COST :

- » Electric Motor 3 phase 440V-50 Cps K.W. 0.37
- » Radius Dressing Attachment
- » Universal Machine Vice
- » Hobbors Cutter Attachment

OWING TO CONTINUOUS INNOVATION IN MACHINE FUNCTION AND MACHINE BUILDING TECHNOLOGY AT OUR PLANT WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS PRINTED ABOVE WITH IMMEDIATE EFFECT WITHOUT NOTICE.