

UNIVERSAL CUTTER AND TOOL GRINDER





THE LEADER IN QUALITY AND RELIABILITY

Illustration

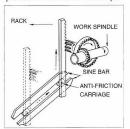
ACRA ATC-MN2 Universal Tool & Cutter Grinder FEATURES:

Capability for multiple grinding operations at single chucking of workpiece saves setup time, assures excellent concentricity.

Versatility for generating straight or tapered, right or left hand, infintely variable leads from a simple built-in lead mechanism

Turntables mounting of entire workhead slide assembly, adjustable through 235 plus degree in the horizontal plane has proved to be a real asset when grinding radius,

Adjustable is workhead on separated slide with dual handwheel control has proved to be a boost for setups.









CENTERING DEVICE





SCREW SLOT SURFACE GRINDING



SCREW ANGULAR GRINDLING



MILLING CUTTER END GRINDING



GRINDING OUTER DIAMETER



SIDE MILLING CUTTER GRINDING





ARC GRINDING



VERTICAL MILLING CUTTER GRINDING



DRILL BIT GRINDING

Standard Equipment

- 1) Wheelhead Tool rest Assembly with extension bar
- Grinding Wheel Guards with extension bar
- 3) Front Stock Support
- 4) Straight Cylindrical Collets: (Please select "A" or "B")
 - (A) Metric sizes: 3,5,6,8,10,12,16,20,25 &32 m/m.
 - (B) Inch sizes: 1/8,3/16,1/4,5/16,3/8,7/16,1/2,5/8,3/4,7/8,1,11/8 13 Screw Driver & 11/4"

Also including set of 3 taper collets:

No. 2,3,4 morse taper

- 5 Set of (5) Grinding Wheel flanges. (4) standard and (1) extension flange
- 6) Diamond Holder Bracket

- Wrench for workhead
- 8) Tooth rest Centering Gauge
- 9) Adjustable Tailstock Support Unit
- 10 Spanner for Grinding Wheel
- 11) Levelling Blocks
- 12 Standard Arbor
- 14 Set of wrenchs
- 15 Double-end spanner
- 16 Set of (4) Index Plates for Spindle Lead Mechanism 0.8.10 &12 divisions
- 17 Tool box
- 18 Oil can

Optional Attachments



Large cutter radius grinding attachment. No.01



Four-inch universal three-jaw chuck for workhead. No.02



Additional index plates for spiral lead indexing unit (*Please indicate your sizes of specification) No.03



Additional diamond truing tool with diamond tip. No.04



Grinding wheel flange for mounting grinding wheel with 1/2" hole No. 05



Spring-loaded Index Pawl for Workhead Index Plates, No.06



Additional straight cylindrical collets. (*Please indicate your sizes of specification) No.07



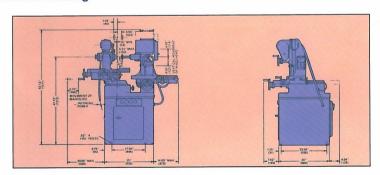
Set of (3) taper collets: Nos. 5,7 & 9 Brown and Sharpe, No.08 (* Available for U.S.A only)

Specifications

Capacity
Workhead:
Swing over main slide, max dia 12" (304mm)
Collet work dia, max1.25" (31mm)
min 0.12" (3mm)
Lead generated by spiral lead mechanism,
min1.81" (45mm)
Length between spindle nose and tail center,
max 6" (152mm)
Wheelhead:
Grinding wheel dia, max 4" (101mm)
Range
Workhead:
Main slide travel 5.75" (146mm)
Offset slide travel, total 5.25" (133mm)
-front of center 3" (76mm)
-rear of center 2.25" (57mm)
Workhead angular adjustment:
Horizontal plane (turntable base) 235°
Vertical plane, above center 40°
below center 40°
Wheelhead:
Longitudinal slide travel 6" (152mm)
Vertical slide travel, total 9.50" (241mm)
-above center, 4.50" (114mm)
-below center, 5" (127mm)

	7.50" (190mm)
-front of center,	3" (76mm)
-rear of center,	
Spindle Speeds	
(±0%, -8% variation allowable)	
Workhead, one speed	436 rpm
Wheelhead, three speeds	- 4000, 5729
(motor speed @ 3600 rpm)	and 800rpm
Internal grinding attachment (extra cost),	
Three speeds, approx 16410, 23510 a	and 32820 rpm
Wheelhead drive, AC 1/2 np	(.373 kilowatts)
	(.373 kilowatts)
Floor Space and Weight Area of base only 25"×26" (635)	
Floor Space and Weight	imm×660mm]
Floor Space and Weight Area of base only 25°×26° (635 Area required for machine (including swivel and overtravel movements) 60°×67° (1542n Height from floor to center of workhead	imm×660mm] nm×1701mm]
Floor Space and Weight	imm×660mm] nm×1701mm] .72" (1212mm)
Floor Space and Weight	imm×660mm) nm×1701mm) .72" (1212mm) 2.12"(1577mm)
spiriale 47	imm×660mm) nm×1701mm .72" (1212mm) .12"(1577mm) 691 kilograms

Dimensional Drawing



All illustrations and specifications contained in this - literature are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice in prices, materials, equipment, specifications, and models, and to discontinue models. In addition, all nominal dimensions are subject to an allowable variation of ±0.25" unless otherwise specified.

