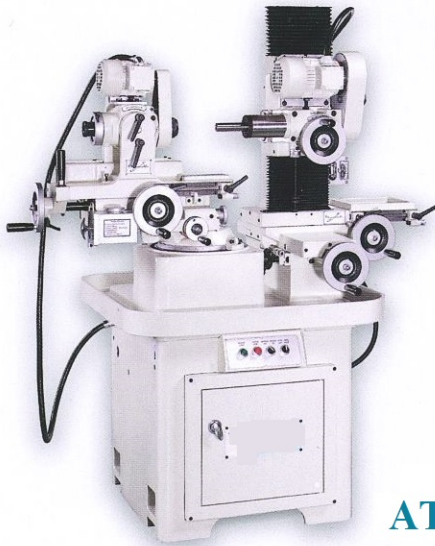
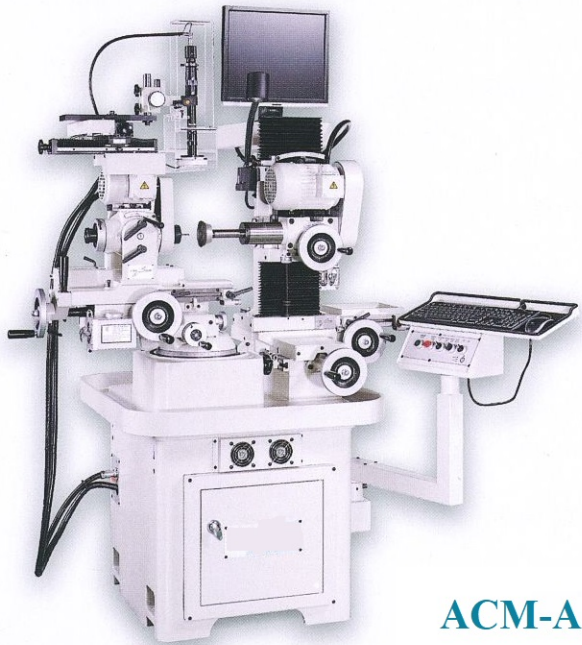


MONASET TOOL GRINDER

ATC-MN2 / ACM-A



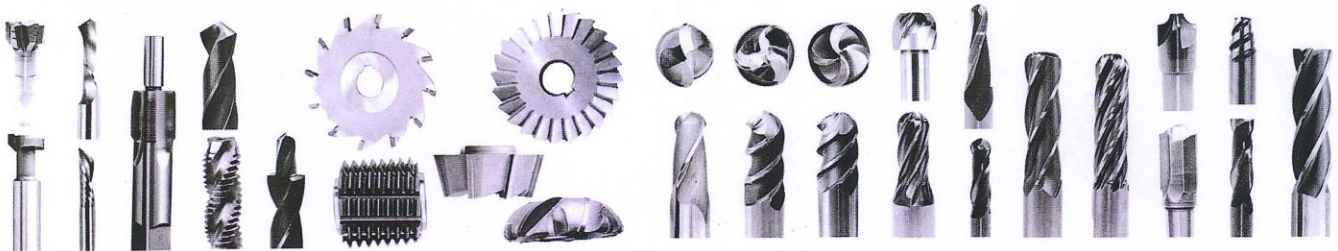
ATC-MN2



ACM-A

- re-dressing tool grinder.
- Workpieces can be ground with a rotary workbench and a workhead in different directions.
- Horizontal rotation of 210° degrees in maximum.
- Multifunctional grinding and time-saving installment for accurate concentricity of workpieces.
- Ideal for production of small hard tools.

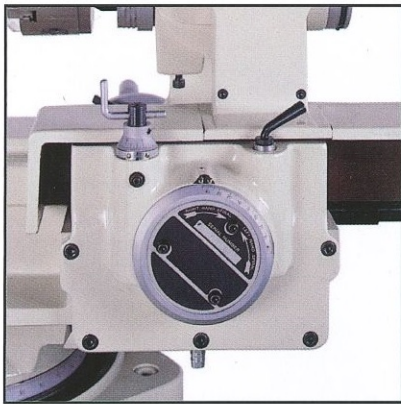
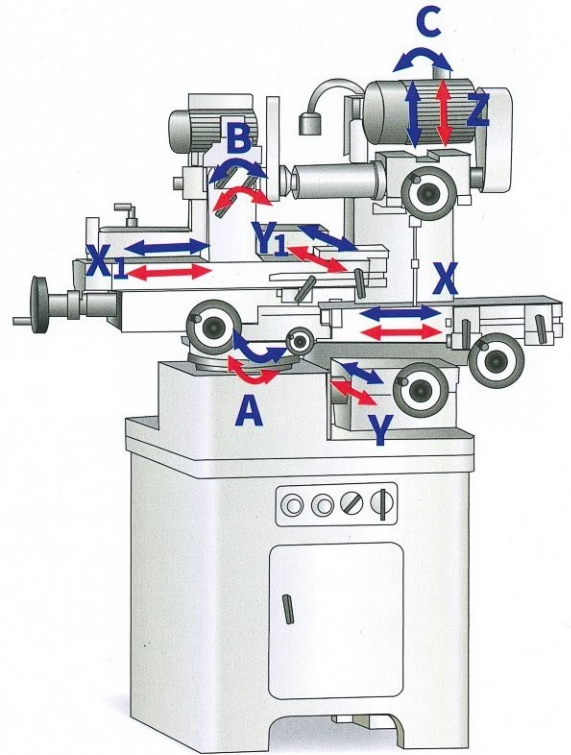
Tool examples



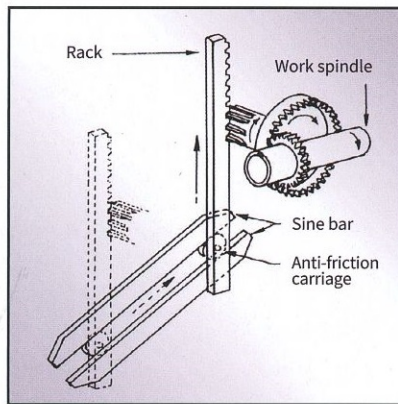
ATC-MN2 / ACM-A

An excellent grinder for irregular and complex form milling cutters and parts. The multi-function grinding can be done in a single clamp to save hours of work for replacing accessories.

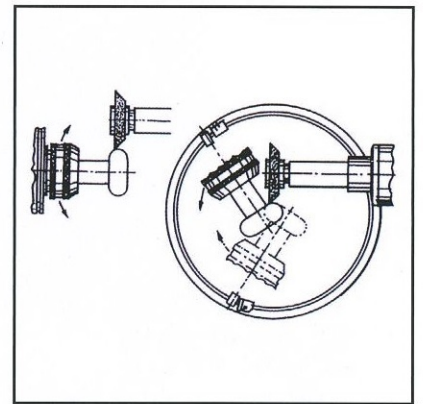
■ ATC-MN2 (7 Axis) ■ ACM-A (8 Axis)



This part, a helix angle adjustment device combined with the machine, is adjustable with a handle and usable for dressing the helix angle.



Spiral mechanism generates diverse variable leads.

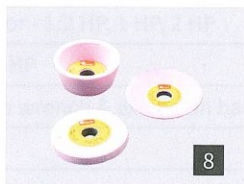
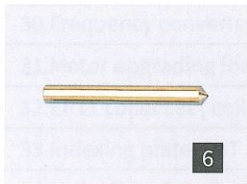


MONASET tool grinder rotary disc and movable offset guide rail achieve multi-direction grinding of workpieces. This feature allows operators to quickly and accurately grind workpieces in various sizes and angles.

Standard Accessories

Standard Accessories

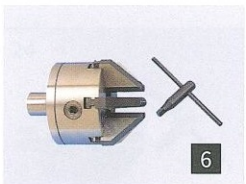
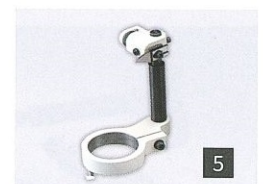
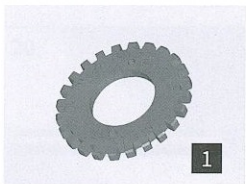
1. Levelling Blocks
2. Collets (metric: Ø6, Ø8, Ø10, Ø12, Ø16, Ø20, Ø25, Ø32 mm)
3. Collet Wrench
4. Indexing Plates (8, 10, 12 Divisions)
5. Spring-loaded Index Pawl for Workhead Indexing Plate
6. Diamond Dressing Tool
7. Diamond Dressing Tool Holder or Tool Support Bracket
8. Grinding Wheels (Including Flat, Bowl, and Dish Types)
9. Grinding Wheel Guards with Extension Bar
10. Grinding Wheel Flanges: 2 Standard and 1 Extended Flanges
11. Wheel Spanner
12. Cutter Holder Center Gauge
13. Workhead Gauge for Zeroing
14. Wrench Set
15. Tool Box & Adjusting Tool
16. Oil Bottle



Optional Accessories

Optional Accessories

- 1.Indexing Plate- 24T
- 2.1/2" Wheel Flange and Spanner
- 3.Wheel Flange with 2 Collets (Ø3, Ø6 mm) for Internal Grinding
- 4.ER11 Collet Set (Collet Ø3, Ø2, Ø1 mm Each 1 pc) with Wrench & Extension Bar
- 5.Wheelhead Toothrest Set with Extension Bar
- 6.4" Six-jaw Chuck for Workhead
- 7.Grinding Device for Large Face Milling Cutters
- 8.Lathe Tool Grinding Attachment
- 9.Tool Support Bracket
- 10.Adjustable Tailstock Support Unit
- 11.Dust Collector
- 12.Wet Grinding Attachment
- 13.Dry and Wet Coolant Tank (45L ; 1/2 HP)
- 14.Dry and Wet Coolant Tank (80L ; 1/2 HP) with Magnetic Device
- 15.Frequency Converter of Grinding-Wheel-Spindle - 1/2 HP, 1 HP, 2 HP
- 16.Upgrading Motor of Grinding-Wheel-Spindle - 1 HP, 2 HP
- 17.Safety Shield
- 18.CE Safety Device



Specification / Model		ATC-MN2	ACM-A
Workhead	Max. swing diameter	304 mm	304 mm
	Max. collet working diameter	32 mm	32 mm
	Min. collet working diameter	5 mm	5 mm
	Max. helix angle	60°	60°
	Max. distance between spindle nose and tailstock center	152 mm	152 mm
	Grinding wheel diameter	100 mm	100 mm
Workhead stroke	X1 axis - slide travel	130 mm	130 mm
	Y1 axis - offset slide travel	100 mm	100 mm
	Front of center	50 mm	50 mm
	Rear of center	50 mm	50 mm
Adjustment of workhead angle	A axis - rotation of horizontal plane	±105° (210°)	±105° (210°)
	B axis - rotation of vertical plane	±40° (80°)	±40° (80°)
Grinding wheel head stroke	X axis - left-right slide travel	110 mm	110 mm
	Y axis - Total front-to-rear slide strokes	170 mm	170 mm
	Z axis - Total vertical slide stroke	240 mm	240 mm
	C axis - Vertical rotation	-	±15° (30°)
Spindle speed	Workhead speed	370 RPM (50 Hz) / 440 RPM (60 Hz)	
	Grinding wheelhead speed	4000 / 6000 / 8000 RPM	
Motor	Workhead	1/4 HP (0.186 kW)	
	Grinding wheelhead	1/2 HP (0.373 kW)	1 HP (0.75 kW)
Dimension	L x W x H	1463 x 1044 x 1645 mm	2025 x 1448 x 2030 mm
	Weight	970 kg	1070 kg

※ All specifications are subject to alternations without prior notice.

Dimensions (CM-A including Blue part)

