

Cutter Master

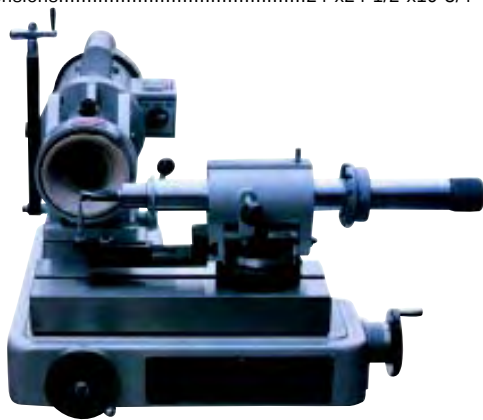
End Mill Grinder

Specialized for grinding various End Mills, Countersinks, Taps, Drills and Machine Tools

- Simple, safe operation—anyone can learn.
- High-grade castings throughout, precision machined and fitted!
- Rapid mounting of attachments.
- Sliding motor mount for rapid setting and lock.
- Wired for 110 Volts, single-phase motor.
- Uses standard 5C Collets.
- Dovetail ways with adjustable gibs.

Specifications

Max. Grinding Dia.....	8-21/32"
Max. Grinding Length.....	9-1/4"
Air Bearing Fixture Center Height.....	4-3/4"
Longitudinal Table Travel.....	6"
Worktable Surface Dimension	
Longitudinal.....	16-1/2"x5-21/32"
Cross.....	12-29/32"x5-21/32"
Worktable T-Slot.....	1/2"x3/4"x5/16"
Table Infeed Graduation.....	0.001
Max. Wheel.....	5"x2"x1-1/4"
Tilt Adjustment For Wheelhead.....	+30°-5°
Wheel Spindle Revolution.....	3450R.P.M.
Air Bearing Stroke.....	9-1/4"
Motor.....	1Phase,110V/220V
Overall Dimensions.....	24"x24-1/2"x19-3/4"



Order No. 287-6540

Air Bearing

This air bearing is one of main attachment for Cutter Master, which can be used with other sharpener too.

Main Technical parameters:

Max Stroke of Air Bearing Sleeve: 9"

Collet Type: 5C

T slot of worktable: 1/2"(12.7mm)

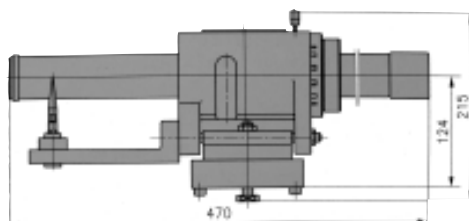
Air Consumption: >=0.63Mpa

Pipe Joint: Z 1/4"

Swivel: 360degree

Parallelism of workhole center line to the base: 0.001mm/100mm

TIR of workhole center line(60mm from hole end): 0.015mm



Order No. 287-6549

Radius Attachment

This attachment is one of main attachment for Cutter Master, which is applicable to grind ball end mills, also can be used with other sharpeners.

Main Technical Parameters:

T Slot Size: 1/2"(12.7mm)

Collet Type: 5C

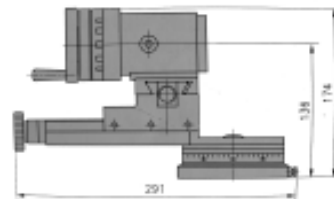
Min Feeding: 0.0005"

Max Arc Radius of Grinding: 3"

Equal Dividing: 30degree

Parallelism of workhole to the base: 0.02mm/60mm

Radius Runout of work hole center line(60mm from hole end): 0.015mm



Order No. 287-6548

Universal Cutter Grinders

Regrinding most universal cutting tools including End Mills, Drills, Tool Bits and Cutters which materials range from high speed steel to carbide.



Description	Order No.
110V	287-6610
220V	287-6612

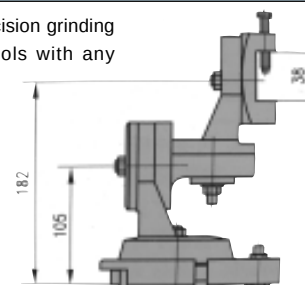
Optional Accessories

Descriptions	Order No.
Twist Drill Grinding Attachment	287-6621
End Mill Grinding Attachment (Max Cap.3-16mm/1/8-5/8")	287-6622
Lathe Tool Grinding Attachment (Max Cap.20x26mm/3/4x1")	287-6623
Grinding Wheel Balancing Stand	287-6624

Specification	
Collet Capacity	1/8" to 5/8" (3 to 16mm)
Collet Sizes	1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8" (3,4,5,6,8,10,12,16mm)
Taper Angle	0 to 180°
Negative Taper Angle	0 to 52°
Relief Angle	0 to 44°
Longitudinal Traverse	5-1/2"/140mm
Motor	1/4HP, 3400 RPM, Single Phase
Spindle Speed	5200 RPM
Power	110V/220V
Grinding Wheel:	4 x 2 x 3/4" /100x50x20mm (DiameterxThicknessxBore)
Overall Dimensions:	19 x 15 x 15" / 50 x 40 x 40 mm
Net Weight	110 lbs/55 kgs

Universal Sharpener

Used for precision grinding of square tools with any direction.



Order No. 287-6613

Lathe Tool Grinder

Supplied with CBN wheel

Used for grinding cutting tools such as HSS, Carbide Steel and Ceramic tools
Main Technical Parameters:

Grinding Capacity: Dia: 28mm

Wheel Dia: 150mm

Back Angle of Wheel: 30 degree

Table Size: 133x280mm

Table Travel: 80mm

Up and down Adjustment of Table:

-10 to 25 degree

Locking Block Swivel: +/-70 degree

Motor: 220V/250W/1400rpm



Order No. 287-6014

Drill Grinder

Easy operation for grinding on drill web and chisel edge.

Main Technical Parameters:

Grinding Capacity: 2-19mm

Spindle Speed: 10000rpm

Motor: 220V/3.2A/250W/50Hz



Order No. 287-6015

Precision Drill Resharpener

Can grind twist drills with two flutes

Grinding range: cutting edge and crossing edge

Grinding diameter: 3-21mm

Grinding Angle: 118-150degree

Supplied with Diamond grinding wheel

Motor: 220V/3.2A/1000rpm/50Hz



Order No. 287-6016

Can grind twist drills with two flutes

Grinding range: cutting edge and crossing edge

Grinding diameter: 3-21mm

Grinding Angle: 118-135degree

Supplied with Diamond grinding wheel

Motor: 110V or 220V



110V

Order No. 287-6017

220V

Order No. 287-6019

Electr-Magnetic Base Drills



	Order No.	Order No.	Order No.	Order No.	Order No.
Specifications	199-0101	199-0102	199-0103	199-0104	199-0105
Drill Capacity	Dia 23mm	dia 25mm	Dia 32mm	Dia 38mm	Dia 49mm
Rated speed	330rpm	350rpm	150rpm	115rpm	110rpm
Motor power	1000W	1100W	1300W	1300W	1500W
Electromagnet	12000N	12500N	13000N	13000N	15000N
Max travel	180mm	210mm	220mm	200mm	200mm
Weight	30kgs	32kgs	53kgs	53kgs	59kgs

Universal Knife Grinder

This dry-type knife grinder is ideal for sharpening planer and jointer knives. Cast iron construction, together with large capacity makes this grinder an excellent investment. Heavy-duty motor is 1/2 H.P., capacitor start, 110V, with pre-lubricated ball bearings and runs at 3450 R.P.M.

- Work table angle adjusts from 15° to 90°
- 120-grit stone included.
- Micro-Adjustable depth of cut.
- Wheel Size: 6"x1-1/2"x1-1/2"
- Weight: 55lbs.



Order No. 150-1000

12" Disc Sander

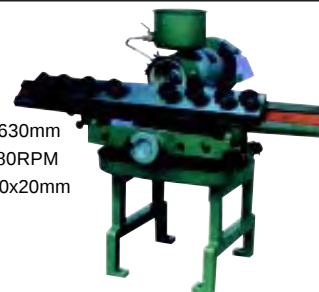
- Speed: 1720 RPM.
- Table: 8-1/4" x17-3/8".
- Table Tilts: 0-45°.
- Weight: 32kg/70lbs.
- With a powerful 1 HP, 110V motor
- Cast iron frame with cast aluminum tilting table.
- Complete with a dust chute and a mitre gauge.



Order No. 199-9000

Straight Blade Grinder

Max. Length of Grinding Blade.....630mm
Rotating of the Grind Head.....2880RPM
Cup-shaped Grinding Wheel.....100x50x20mm
Weight.....67kg
Dist. Front of Blade.....10"



Order No. 199-2063

4" Belt & 6" Disc Sander

Order No.	150-0460
Belt Size	4"x36"
Disc Size	6"
Speed	3450 RPM
Table Size	6"x8-4/5"
Main Motor	110V,1/3HP
Table Tilt	0-45°
Belt Tilt	0-90°
Machine Dimensions	22"x11"x12"
Gross Weight (approx.)	39lbs

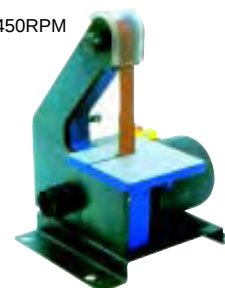
- Disc angle and bevel sanding.
- Finish edging.
- Belt and disc included.



Order No. 150-0460

1x30" Belt Sander

Motor(Single Phase).....1/4HP;110/220V; 60HZ,3450RPM
Belt Size.....1"x30"
Table.....5x5"
NW/GW.....15.4/16.5lbs
Packing Size370x250x250(mm)



Order No.150-3011

