

# CLEVELAND

## *TOOL & CUTTER GRINDER MODEL: CM-A MONASET*



### **MACHINE FEATURES**

- QUALITY ASSUME BY ISO 9001 & CE STANDARD.
- THE CM-A IS CM-2 EQUIPPED WITH AN DIGITAL READOUT ON THE X,Y AND A AXES AND HIGH PRECISION CAMERA DEVICE FOR YOUR PRECISELY GRIND, SHARPEN, RECONDITION COMPLEX TOOLS & CUTTERS
- CASTING BASE TO REDUCE VIBERATION
- PRECISE BALLSCREW USING GRINDING WHEEL SIDE X&Y AXIS
- PRECISE GRINDING ACME LEADSCREW USING THE OTHER ENTIRE AXIS.
- SUPER PRECISION MATCH SETS CLASS 7 BEARING AT SPINDLE
- THE MONASET GRINDER'S COMBINATION OF SWIVELING TURNTABLE AND MOVEABLE OFFSETSLIDE
- PROVIDE YOUR SHOP WITH VERSATILE CAPABILITY TO QUICKLY SET UP AND ACCURATELY GENERATE CONVEX AND CONCAVE RADII OF VARYING SIZE.
- MADE IN TAIWAN.

### **SPECIFICATIONS:**

#### **CAPACITY :**

##### **WORKHEAD:**

SWING OVER MAIN SLIDE, MAX DIA:	12"
COLLET WORK DIA, MAX.:	1.25"
MIN.:	0.12"
LEAD GENERATED BY SPIRAL LEAD MECHANISM, MIN:	1.81"
LENGTH BETWEEN SPINDLE NOSE AND TAIL CENTER, MAX:	6"

##### **WHEELHEAD:**

GRINDING WHEEL DIA, MAX.:	4"
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#### **RANGE:**

##### **WORKHEAD:**

MAIN SLIDE TRAVEL:	5.75"
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OFFSET SLIDE TRAVEL, TOTAL: 5.25"  
 -FRONT OF CENTER: 3"  
 -REAR OF CENTER: 2.25"

**WORKHEAD ANGULAR ADJUSTMENT:**

HORIZONTAL PLANE (TURNTABLE BASE): 235°  
 VERTICAL PLANE, ABOVE CENTER: 40°  
 BELOW CENTER: 40°

**WHEELHEAD:**

LONGITUDINAL SLIDE TRAVEL: 6"  
 VERTICAL SLIDE TRAVEL, TOTAL: 9.50"  
 -ABOVE CENTER: 4.50"  
 -BELOW CENTER: 5"  
 CROSS SLIDE TRAVEL, TOTAL: 7.50"  
 -FRONT OF CENTER: 3"  
 -REAR OF CENTER: 4.50"

**SPINDLE SPEEDS:**

**(±0%,-8% VARIATION ALLOWABLE)**

WORKHEAD, ONE SPEED: 436 RPM.  
 WHEELHEAD, THREE SPEEDS: 4000, 5729 AND 8000 RPM  
 (MOTOR SPEED @ 3600 RPM)  
 INTERNAL GRINDING ATTACHMENT (*EXTRA COST*),  
 THREE SPEEDS, APPROX.: 16,410, 23,510 AND 32,820 RPM

**MOTORS, ELECTRIC:**

WORKHEAD DRIVE, AC: INCLUDES REVERSE ¼ HP.  
 WHEELHEAD DRIVE, AC: ½ HP.

**FLOOR SPACE AND WEIGHT:**

AREA OF BASE ONLY: 25" X 26"  
 AREA REQUIRED FOR MACHINE (INCLUDING SWIVEL  
 AND OVERTRAVEL MOVEMENTS): 60" X 67"  
 HEIGHT FROM FLOOR TO CENTER OF WORKHEAD  
 SPINDLE: 47.72"  
 HEIGHT, OVERALL WITH WHEELHEAD RAISED: 62.12"  
 NET WEIGHT: 1,525 LBS.

**STANDARD ACCESSORIES:**

Tools & box	Grinding wheel guard	A set of grinder wheel flanges.(5pcs)
Front stock support	Diamond holder back head	Standard arbor
Leveling blocks	One shot lube system	Halogen work light
Operation manual	Tooth rest centering gauge	Double end spanner
Oil bottle	Grinding wheel set	17 pcs inch collect set

**Additional Accessories information:**

Power requirement	6.5 KVA 3 phase 208V/230Vmax
Type of oil for Way oil	Mobil Vactra #2
Coolant capacity	Opt.

\*\* WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE \*\*

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