CLEVELAND
TOOL & CUTTER GRINDER MODEL: CM-2 MONASET

MACHINE FEATURES

- QUALITY ASSUME BY ISO 9002 & CE STANDARD.
- 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"

RANGE:

WORKHEAD:
- MAIN SLIDE TRAVEL: 5.75"
- 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 |

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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