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 vibration.
- Precise ball screw using grinding wheel side X&Y axis.
- Precise grinding Acme lead screw using the other entire axis.
- Super precision match sets class 7 bearing at spindle.
- The Monaset grinder's combination of swiveling turntable and moveable offset slide.
- 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:

<table>
<thead>
<tr>
<th>Tools &amp; box</th>
<th>Grinding wheel guard</th>
<th>A set of grinder wheel flanges (5pcs)</th>
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<tbody>
<tr>
<td>Front stock support</td>
<td>Diamond holder back head</td>
<td>Standard arbor</td>
</tr>
<tr>
<td>Leveling blocks</td>
<td>One shot lube system</td>
<td>Halogen work light</td>
</tr>
<tr>
<td>Operation manual</td>
<td>Tooth rest centering gauge</td>
<td>Double end spanner</td>
</tr>
<tr>
<td>Oil bottle</td>
<td>Grinding wheel set</td>
<td>17 pcs inch collect set</td>
</tr>
</tbody>
</table>

Additional Accessories information:

<table>
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<tr>
<th>Power requirement</th>
<th>6.5 KVA 3 phase 208V/230Vmax</th>
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<tbody>
<tr>
<td>Type of oil for Way oil</td>
<td>Mobil Vactra #2</td>
</tr>
<tr>
<td>Coolant capacity</td>
<td>Opt.</td>
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</tbody>
</table>

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

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