

**MONASET TOOL & CUTTER GRINDER MODEL CM2**

**MACHINE FEATURE:**

- 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. QUILITY ASSUME BY ISO9002 & CE STANDARD.
- PRECISELY GRIND, SHARPEN, RECONDITION COMPLEX TOOLS & CUTTERS
- CASTING BASE TO REDUCE VIBERATION
- PRECISE BALLSCREW USED ON GRINDING WHEEL SIDE X&Y AXIS
- PRECISE GRINDING ACME LEADSCREW USED ON ALL OTHER AXIS.
- SUPER PRECISION MATCH SETS CLASS 7 BEARING AT SPINDLE

**MACHINE STANDARD ACCESSORIES:**

- TURCITE LINING COATING ON WAYS
- WHEEL HEAD TOOTHREST ASSEMBLY WITH EXTENSION BAR
- GRINDING WHEEL GUARDS WITH EXTENSION BAR
- SET OF (5) GRINDING WHEEL FLANGES. (4) STANDARD AND (1) EXTENSION FLANGE.
- DIAMOND HOLDER BACKHEAD
- TOOTH REST CENTERING GAUGE
- SPANNER FOR GRINDING WHEEL
- STANDARD ARBOR
- FRONT STOCK SUPPORT
- DOUBLE END SPANNER
- ADJUSTABLE TAILSTOCK SUPPORT UNIT
- LEVELING BLOCKS
- (2) SCREW DRIVERS-1 OF EACH TYPE
- SET OF WRENCHES
- SET OF (4) INDEX PLATES FOR SPIRAL LEAD MECHANISM 0, 8, 10 & 12 DIVISIONS
- OIL BOTTLE
- TOOL BOX

**MACHINE 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"
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: (MOTOR SPEED @ 3600 RPM)	4000, 5729 AND 8000 RPM
INTERNAL GRINDING ATTACHMENT ( <i>OPTIONAL</i> ), THREE SPEEDS, APPROX.:	16410, 23510 AND 32820 RPM

**MOTORS, ELECTRIC:**

WORKHEAD DRIVE, AC:	INCLUDES REVERSE 1/4 HP
WHEELHEAD DRIVE, AC:	1/2 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:	1525 LBS

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**PRICE:**

CM-2 MONASET UNIVERSAL CUTTER & TOOL GRINDER with Ball Screw:	\$ 26,695.00
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**MACHINE OPTIONAL ACCESSORIES:**

G003	LARGE CUTTER RADIUS GRINDING ATTACHMENT	\$ 960.00
G004	4" UNIVERSAL 6-JAW CHUCK FOR WORKHEAD	\$ 1,320.00
G005	ADDITIONAL INDEX PLATES, PLEASE SPECIFY SIZE (8,10 OR 12)	\$ 370.00
G006	DIAMOND TURNING TOOL WITH DIAMOND NIB	\$ 125.00
G007	1/2" BORE GRINDING WHEEL FLANGE	\$ 395.00
G008	SPRING LOADED INDEX PAWL	\$ 660.00
G009	STANDARD "A" OR "C" COLLETS, EACH	\$ 370.00
G009-INCH	COLLET SET INCH 17 PIECES MONOSET STYLE	\$..2,690.00
G010	BROWN & SHARPE # 5, 7, 9 COLLET SET	\$ 420.00
G011	SET OF 3 GRINDING WHEELS (4" X 1/2" STRAIGHT, 4" X 1/2" DISH & 3-1/2" X 1-1/2" FLARING CUP)	\$ 126.00

Price and technical specifications subject to change without notice