

Manual Knee Mill Model: 2EV

- **Electronic vari-speed 3HP spindle motor, R8 spindle taper**
- **5HP inverter**
- **Digital output 5,000 rpm spindle speed with HI-LO gear**
- Hardened & ground with Turcite-B coating guide way
- C7 double nut precision acme lead screws for high accuracy and long lasting
- FC30 Meehanite casting main frame with annealed & stress relieved for long term reliability
- Anti rust chrome quill
- Standard way covers on all three axes
- Tool box & tools
- Precision APEC class7 spindle bearing to ensure spindle run out within 0.0002 in
- One shot lubrication system
- Built-in Quartz work light
- **Optional: D.R.O & Power Feed X axis**



Specification

Table:	9" x 49"
Longitudinal travel:	36"
Cross travel:	12"
Quill travel:	5"
Knee travel (manual):	16"
Quill diameter:	3 3/8" (86 mm)
Spindle nose to table top (D):	3/4" to 16 3/4" (20-426 mm)
Load capacity:	600 lbs
Spindle taper:	R8
Spindle speed:	70 to 5000 rpm with Hi/Lo gear
Transmission of spindle & motor:	Timing belt
Spindle center to column front surface:	6 7/8" to 27 7/8" (175-707 mm)
Ram Travel:	12"

Head

Swivel (left/right):	90°
Tile (front/back):	45°

Motor

Spindle motor:	3 HP
KVA rating:	4 KVA, 15 Amps
Coolant pump (optional):	1/8 Hp
Lubrication pump:	One shot
Power requirement:	4 KVA, 3 Phase 208V to 230V (Max)

Dimension & Weight

Length x Width x Height:	101" x 70" x 82"
Net weight:	2,600 lbs (1182 kgs)





Model	Spindle	Travel X/Y/Z	Tool Change	Inverter	Spindle Motor	FOB CA
2EV	R8	36/12/16"	Manual	5HP	3HP	\$9,065

Standard Accessories

Tools & box	Way cover	Operation manual	Halogen work light
Draw bar	One shot lube system		

Optional Machine Accessories

E-Kit 2	Complete electronic vari-speed head with inverter package	\$4,900
AL-400SX	Power Feed X-axis for ALIGN	\$575
AL-400SY	Power Feed Y-axis for ALIGN	\$720
AL-400SZ	Power Feed Z-axis for ALIGN	\$720
AX-Labor	Installation of Power Feed X axis	\$80
AY & Z-Labor	Installation of Power Feed Y & Z axis /Each axis	\$100
DRO-Sino / Rational	DRO System X & Y Axis (Sino / Rational)	\$720
C80-2-949	DRO System X & Y Axis (NEWALL)	\$1,780
C80-3-949	DRO system X & Y & Quill axis (NEWALL)	\$2,335
DRO-Labor-2 Axis	DRO Installation 2 Axis	\$180
DRO-Labor-3 Axis	DRO Installation 3 Axis	\$250
CHIP-A1	Chip Pan (Aone Knee Mill)	\$220
CK-001	52pcs Clamping Kit (Import) slot: 5/8" (16mm) stud: 1/2-13	\$80
COL-R8	Collet R8 set -11 pcs (Import)	\$84
COL-R8-LY	Collet R8 Lyndex Collet Set-11pcs	\$300
PDB-MAX	Power Draw Bar-Maxi-Torque	\$710
PDB-MAX-L	Installation of Power Draw bar	\$100
RAA-R8	Right Angle Attachment (R8 Tapper)	\$990
RB6-A1-2V	6" Riser Block for Aone 2VSG /3VHG	\$850
RB8-A1-2V	8" Riser Block for Aone 2VSG/ 3VHG	\$990
RB-Labor	Installation of any riser block	\$150
WISE-6	6" Angle Vise W/ Swivel Base (Import)	\$360
PH-CON	Phase Converter 3 phase to single phase	\$460

Additional Accessories Information

Power requirement:	4 KVA 3 phase 208V to 230V (Max)
Air requirement:	With opt. power draw bar 90 - 100 psi
Type of oil for way oil / pneumatic oil:	Mobil Vectra #2 / Air tool oil
Coolant capacity:	7 Gallons

Terms & Conditions

F.O.B.: Pomona, CA 91768
 Delivery: Please check with Atrump's Sales Team
 Standard Terms Of Payment: 20% down-payment, balanced due on machine delivery
 Taxes: Federal, State, Local Taxes are the responsibility of Purchaser.
 Validity: This proposal is valid for 30 days.
 Warranty: One-year limited warranty for any defects in material or workmanship of machine tool and factory installed components. Visit www.atrump.com/policy for full warranty details & contract.
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