

## Manual Knee Mill Model: 3EV

- **Electronic vari-speed 3HP spindle motor, R8 spindle taper**
- **Inverter 5HP**
- **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: .....	10" x 54"
Longitudinal travel: .....	36.37"
Cross travel: .....	15.75"
Quill travel (Z-axis): .....	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: .....	704 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: .....	19" (483 mm)

### Head

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

### Motor

Spindle motor: .....	3 HP (Std.)
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: .....	102" x 77" x 84"
Net weight: .....	2,900 lbs (1315 kgs)





Model	Spindle	Travel X/Y/Z	Tool Change	Inverter	Spindle Motor	FOB CA
3EV	R8	36.37/15.75/16"	Manual	5HP	3HP	<b>\$10,540</b>

### Standard Accessories

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

### Optional Machine Accessories

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
C80-2-1054	DRO System X & Y Axis (NEWALL)	\$1,780
C80-3-1054	DRO system X & Y & Quill axis (NEWALL)	\$2,335
DRO-Labor-2 Axis	DRO Installation DRO 2 Axis	\$180
DRO-Labor-3 Axis	DRO Installation DRO 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)	\$320
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: .....	6 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](http://www.atrump.com/policy) for full warranty details & contract.  
 \*\* WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE \*\*

