

CNC Knee Mill Model: K3NC INVERTER RIGID HEAD W-MOVEABLE RAM

- Centroid M400i 3 axis control
- 15" color LCD touch screen
- 3 HP spindle motor, R8 or #30 spindle taper
- Programmable 50 to 5,000 rpm spindle speed
- Hardened & ground with Turcite-B coating guide way
- Precision ballscrews for high accuracy and long lasting
- FC30 Meehanite Casting main frame with annealed & stress relieved for long term reliability
- Anti rust chrome quill
- Movable arm with cnc head stock
- Box ways design on Y axis to provide maximum rigidity & stability
- Standard way covers on all three axes
- Tool box & tools
- Precision APEC class7 spindle bearing to ensure spindle run out within 0.0002 in
- Automatic lubrication system
- Built-in Quartz work light
- **Hard limit switch**



Specification

Table:	10" x 54"
Longitudinal travel:	31"
Cross travel:	14.5"
Quill travel (Z-axis):	4.5"
Knee travel (manual):	16"
Quill diameter:	3 3/8" (86 mm)
Spindle nose to table top (D):	3/4" to 16 3/4" (20-426mm)
Load capacity:	600 lbs
Spindle taper:	R8 or #30
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 23 1/2" (175-597 mm)

Motor

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

Dimension & Weight

Length x Width x Height:	108" x 77" x 92"
Net weight:	3,100 lbs (1420 Kgs)

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

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Model	Spindle	Travel X/Y/Z	Tool Change	Servo Motor	Spindle Motor	Control	FOB CA
K3NC	R8 or #30	31/14/5"	Manual	750W-AC	2.2kW(3HP)	M400i	\$31,590

Standard Accessories and Software

Tools & box	Leveling bolts & plate	RS-232 interface
Auto Lubrication	Chip tray	60 GB solid state hard drive
Halogen work light	Coolant system	Shop floor programming/Conversational
USB 2.0 port	15" color LCD	Machine manual & E-manual for Centroid

Free Software for Centroid

10360 4th axis software 10620	Compression tapping	10851 Cutter compensation
10610 User definable Macros and sub programs [M98 & G65]		

Optional Machine Accessories

CK-001	52pcs Clamping Kit	\$90
CP-MIST	Mist type Coolant System	\$760
TG-A1	Table Guard-Aone Knee Mill	\$700
COL-R8-11	Collet R8 set -11 pcs import	\$90
COL-R8-LY	Collet R8 Lyndex Collet Set-11pcs	\$360
PDB-MAX	Power Draw Bar-Maxi-Torque	\$720
Labor-PDB Max	Installation of Power Draw bar	\$110
RB6-A1	6" Riser Block for Knee Mill	\$700
RB8-A1	8" Riser Block for Knee Mill	\$750
Labor-RB	Installation of any riser block	\$160
WISE-6	6" Angle Vise W/ Swivel Base (Import)	\$360
SP-220V	Change to single phase 220V	\$250
TRAN-14KVA	Transformer: 14KVA (440-480V)	\$1,300

Optional Software Accessories

10249	Printed operation manual Centroid	\$88
10630	Unlimited part program size	\$550
10730	Intercon off-line conversational program (for your desktop PC)	\$275
10850	Coordinate system rotation (CSR)	\$220
10625	Scaling and mirroring [G50 & G51]	\$220
10814	DXF in, CAD drawing input software	\$305
10740	Engraving software	\$500
3-EHDW-BE6S-IM	100 Step MPG	\$495

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.
 Training: \$850/Day plus travel expense. (U.S.A only)
 Warranty: One-year limited warranty for any defects in material or workmanship of machine tool and factory installed components. Visit <http://atrump.com/policies.html> for full warranty details & contract.

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