

CLEVELAND

Vari-Speed Manual Knee Mill: CKV4



Specification

TABLE	10" x 54" (254mm x 1371mm)
X TRAVEL	36" (914mm)
Y TRAVEL	16" (405mm)
Z TRAVEL	18" (450mm)
QUILL TRAVEL	5.5" (140mm)
QUILL DIAMETER	4.17" (106mm)
RAM TRAVEL	24" (610mm)
SPINDLE NOSE TO TABLETOP	1.96" to 17.95" (50- 456mm)
TABLE LOAD CAPACITY	770 LBS (350KGS)
T-SLOT (3)	0.62" x 2.55"
SPINDLE TAPER	NT40
SPINDLE SPEED	70 to 3800 rpm with Hi/Lo gears
TRANSMISSION SPINDLE-MOTOR	Timing belt
HEAD SWIVEL(RIGHT/LEFT)	±90°
HEAD TILTING ANGLE (UP/DOWN)	Not available
SPINDLE MOTOR/MAX POWER	5HP
COOLANT PUMP	1/8 HP
LUBRICATION PUMP	Auto Lubrication
FLOOR PLAN	110" x 100" x 89"
NET WEIGHT	3740LBS (1700KGS)
POWER REQUIREMENT	7 KVA 3 phase 208V-230V (Max)
TYPE OF OIL FOR OIL WAY	Mobil Vectra #2
AIR Requirement	With Opt. power draw bar 90-100 psi

HIGHLIGHT

1. Meehanite castings mainframe with annealed relieved for long term reliability.
2. X Y Z Hardened & ground with Turcite-B coating guide way
3. Box Way Design on Y & Z axes.
4. Rapid UP/Down motor (Power Knee)
4. Mechanical Variable Speed Head 5HP spindle motor, NT40 spindle taper.
5. 70-3,800rpm spindle speed with Hi/Lo Gears.
6. Electrical Cabinet with Arm Type Control Panel
7. Coolant system with Chip Pan
7. Precision APEC class 7 spindle bearing to ensure spindle run out within 0.0002inch.
8. C7 double nut precision acme lead screws for high accuracy and long lasting.
9. Chip rubber cover (Front & rear).
10. Built in LED Work Light.
11. Auto lubrication system.

Machine Standard

5HP Spindle Motor
LED Work Light
Way Cover

UP/Down Motor (Power knee)
Electrical Cabinet
Operation Manual

Coolant System
Arm type control panel
Tools & Box

Chip Tray
Auto Lubrication

Machine Options

*Recommended

*PDB-MAX	Power Draw Bar-Maxi-Torque installed
*AL-500SX	Power Feed X-axis for ALIGN installed
AL-500SY	Power Feed Y-axis for ALIGN installed
*E-KIT	Upgrade to Electronic Vari-Speed head KE4 with inverter
TC-2-1050	DRO System X & Y Axis (SINO)
C80-2-1050	DRO System X & Y Axis (NEWALL DP-700) installed
C80-3-1050	DRO System X & Y & Quill Axis (NEWALL DP-700) installed
C80-3-K	DRO System X & Y & Knee Axis (NEWALL DP-700) installed
VRA-40-106	Right Angle Head #40 (quill OD:106mm)
RS6	Riser block 6" installed
RS8	Riser block 8" installed
PH-CON	Phase Converter 3 phase to single phase



Tools Options

NT40 KIT RECOMMEND	
CK-101	52pcs Clamping Kit
NT40-TOOL6	NT40 Tool Holder set (6pcs.) 3/8, 1/2, 5/8, 3/4, 1" and keyless drill chuck
NT40ER40-10	NT40 ER40 Collect (10pcs.) 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1" + NT40 ER40 chuck*1 +Wrench
NT40ER40-17	NT40 ER40 Collect (17pcs.) 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1" + NT40 ER40 chuck*1+Wrench
WISE-6-TW	6" Angle Vise W/ Swivel Base

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

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