

CLEVELAND

Heavy Duty Manual Knee Mill: CKV5

Specification



TABLE	12" x 60" (305mm x 1524mm)
X TRAVEL	39.4" (1000mm)
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 21.25" (50- 540mm)
SPINDLE CENTER TO COLUMN	4" to 28" (102-711mm)
TABLE LOAD CAPACITY	1100 LBS (500KGS)
T-SLOT (3)	0.71" x 2.5"
SPINDLE TAPER	NT40
SPINDLE SPEED	70 to 4000 rpm with Hi/Lo gears
TRANSMISSION SPINDLE-MOTOR	Timing belt
HEAD SWIVEL(RIGHT/LEFT)	±90°
HEAD TILTING ANGLE (UP/DOWN)	None
SPINDLE MOTOR/MAX POWER	5HP
COOLANT PUMP	1/8 HP
LUBRICATION PUMP	Auto Lubrication
FLOOR PLAN	125" x 79.4" x 92.13"
NET WEIGHT	4620LBS (2100KGS)
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

Our manufacturer has always offered Highest Quality Standards.

*Meehanite castings, **Box Way design on the Y & Z axes.***

Rapid Up & Down motor.

Electrical Box with Arm type control Panel

X Y Z Hardened & ground with Turcite-B coating guide way

Electric Variable Speed Head 70-4000rpm with Hi/Lo Gears.

Front steel way cover and Rear chip rubber cover.

Built in LED Work Light

Auto lubrication system.

Coolant system with chip pan

Precision P5 class spindle bearing to ensure spindle run out within 0.0002inch.

Machine Standard

5HP Spindle Motor	Way Cover	Auto Lubrication
Rapid UP/Down Motor	Coolant System	Chip tray
Arm type control Panel	Draw Bar	Electrical box
LED work light	Leveling bolts & plate	Tools & box
Electronic Operation Manual		

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
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
COOL	Coolant System
CPKV	Chip Pan
ALUB	Auto Lubrication
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



Power Draw Bar



**6" Angle Vise HAV-6
(Made in Taiwan)**

Tools Options All the tools are made in Taiwan, Power draw Bar is made in USA

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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