

CLEVELAND

MANUAL KNEE MILL EVS HEAD: CKE2



Chip Pan is optional

Specification

TABLE	9" x 49" (229mm x 1245mm)
X TRAVEL	30" (762mm)
Y TRAVEL	12" (305mm)
Z TRAVEL	16" (406mm)
QUILL TRAVEL	5" (127mm)
QUILL DIAMETER	3.38" (86mm)
RAM TRAVEL	12" (305mm)
SPINDLE NOSE TO TABLETOP	1.96" to 17.9" (50- 456mm)
TABLE LOAD CAPACITY	660 LBS (300KGS)
T-SLOT (3)	0.62" x 2.55"
SPINDLE TAPER	R8/NT30
SPINDLE SPEED	70 to 5000 rpm with Hi/Lo gears
TRANSMISSION SPINDLE-MOTOR	Timing belt
HEAD SWIVEL(RIGHT/LEFT)	±90°
HEAD TILTING ANGLE (UP/DOWN)	±45°
SPINDLE MOTOR/MAX POWER	3HP
COOLANT PUMP (OPTIONAL)	1/8 HP
LUBRICATION PUMP	One shot
FLOOR PLAN	64" x 75" x 85"
NET WEIGHT	2640LBS (1200KGS)
POWER REQUIREMENT	4 KVA 3 phase 208V-230V (Max)
TYPE OF OIL FOR OIL WAY	Mobil Vectra #2
AIR Requirement	With Opt. power draw bar 70-100 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. Electronic Vari-Speed Head 3HP spindle motor, R8 spindle taper.
4. Digital output 70-5000rpm spindle speed with Hi/Lo Gears.
5. Precision APEC class 7 spindle bearing to ensure spindle run out within 0.0002"
6. C7 double nut precision acme lead screws for high accuracy and long lasting.
7. Chip rubber cover (Front & rear).
8. Built in LED Work Light.
9. One shot lubrication system.
10. Easy Tap Function.



Machine Standard

Electronic Variable Speed Head	Control Panel	Easy Tap function	One Shoot Lubrication
Huge Digital Spindle speed display	LED Work Light	Two power outlets(110V)	Operation Manual
EMG button for safety	Way Cover	Tools & Box	

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
AL-500SZ	Power Feed Z-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 (Only Available on EVS Machines)
RAA-R8	Right Angle Head (R8)
RAA-30	Right Angle Head (#30 taper)
RS6	Riser block 6" installed
RS8	Riser block 8" installed
PH-CON	Phase Converter 3 phase to single phase



Tools Options

R8 KIT RECOMMEND	
CK-101	52pcs Clamping Kit
COL-R8-11	Collet R8 set -11 pcs
R8-APU-16	R8 Keyless Drill Chuck (1/8"~ 5/8")
WISE-6-TW	6" Angle Vise W/ Swivel Base
NT30 KIT RECOMMEND	
CK-101	52pcs Clamping Kit
NT30-TOOL6	NT30 Tool Holder set (6 pcs.) 3/8, 1/2, 5/8, 3/4, 1", and Keyless drill chuck (6 pieces)
NT30ER32-10	NT30 ER32 Collet Set (10pcs.) 1/8,1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, +NT30 ER32 chuck*1 + Wrench*1
NT30ER40-17	NT30 ER40 Collet Set (17pcs.) 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"+ NT30 ER40 chuck*1 + Wrench*1
WISE-6-TW	6" Angle Vise W/ Swivel Base

Machine Photos



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