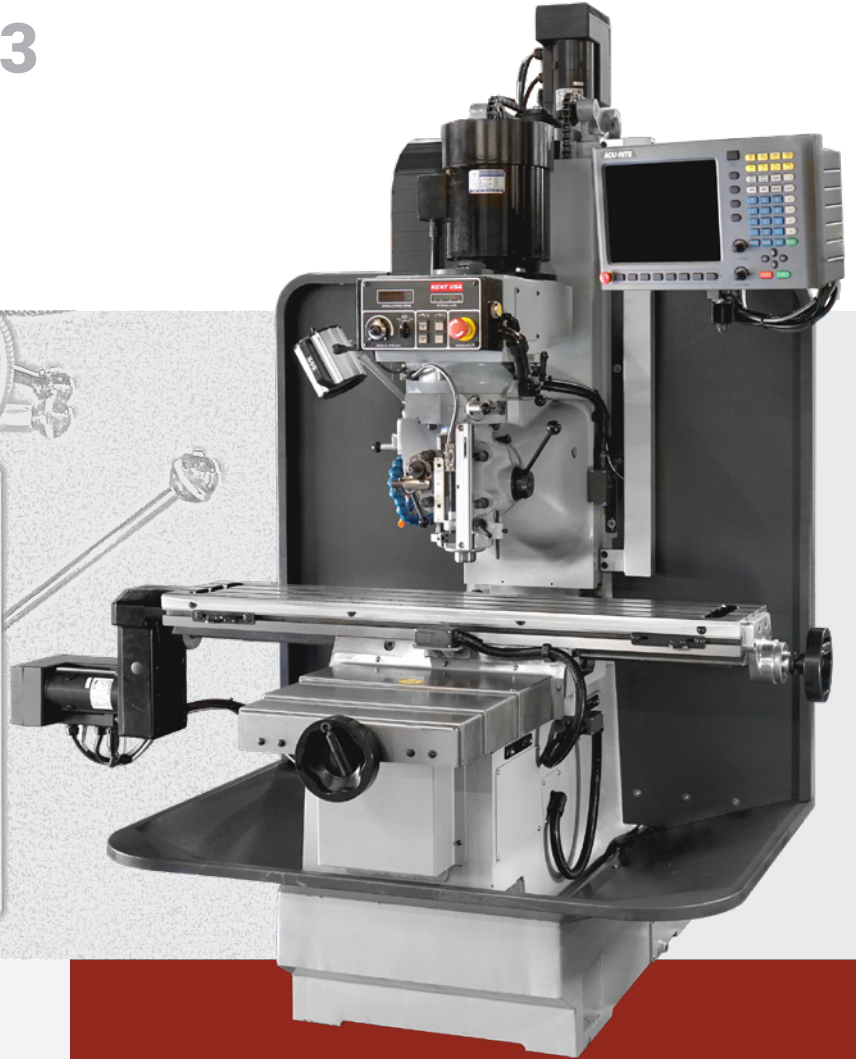
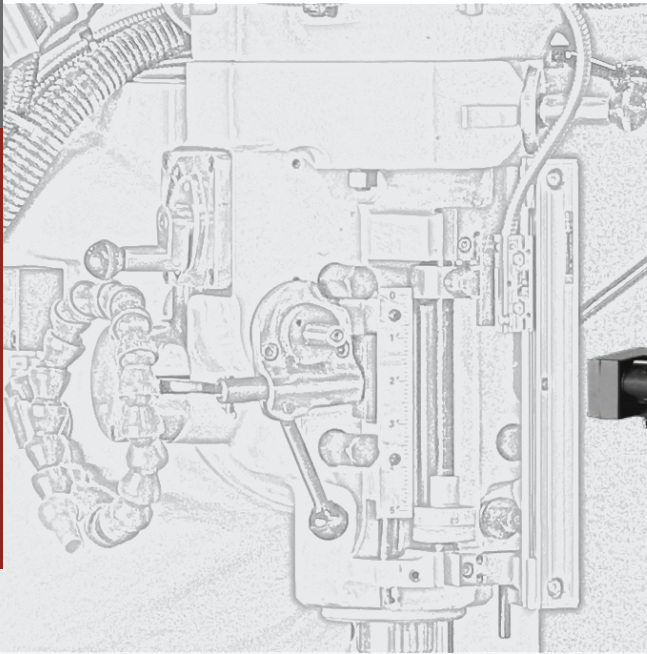




CNC Bed Mill

BM-3



www.kentusa.com

BM-3 CNC Bed Mill

Compact / Powerful / Reliable

The KENT USA BM-3 cnc bed type milling machine combines proven designs with the latest advance technology in engineering and over 40 years of manufacturing excellence. Reliability and performance makes these a favorite among demanding job shops and in-house tool rooms alike. With best in class features and superior built quality, the BM-3 bed mills are the new industry standard in high performance cnc bed-type milling machines. Upgrade your global competitiveness today.

Why Kent USA BM-3?

- Rigid Spindle/Head housing with powerful 3 hp vector drive spindle motor
- 80 - 4500 rpm programmable spindle provides greater range of machining capability
- Metal telescopic way cover on front saddle ways for enhance durability
- X-axis and Y-axis metal hand wheels for manual operation and set ups
- Automatic lubrication system with metered check valves
- Programmable flood coolant with splash guards and chip pan
- Built-in coolant reservoir in machine base
- Certified Meehanite® machine casting for superior dampening and stability



GENERAL SPECIFICATIONS

MACHINE CAPACITY:

Table size 10" x 50"
 Table travel (X-axis) 34"
 Saddle travel (Y-axis) 16"
 Column travel (Z-axis) 24"
 Spindle nose to table top 2" ~ 26"
 Spindle center to column 17.8"
 Quill travel 5"
 Quill diameter 3-3/8"
 Table load capacity 1480 lbs (distributed)
 T-slots (number x width) 3 x 5/8"

MILLING HEAD:

Spindle motor 3 hp
 Spindle taper R8 / NMTB30
 Speed range 80 - 4500 rpm
 Quill power feed (per rev) 0.0017" / 0.0032" / 0.0054"
 Drilling capacity \varnothing 1"
 Tapping capacity \varnothing 0.25"

RAPID TRAVERSE:

Rapid traverse X/Y/Z 200 inch/min
 (MillPwr-G2)

UTILITY:

Machine power required 220V / 3PH / 30A
 CNC control/servo power required 120V / 1PH / 20A
 Compressed air required 80 psi
 Coolant reservoir 10 gallon
 Lubrication tank size 0.5 gallon

WEIGHT & DIMENSION:

Machine weight 3960 lbs
 Packing dimension 77-13/16" x 51" x 80"

INCLUSIONS

- Acu-Rite® MillPwr-G2 (3-Axis CNC) conversational control with 12.1" color LCD
- Manual/DRO, conversational, and G-code operational modes
- Dual USB (front/back) ports, Ethernet port, and RS-232 port
- Programmable spindle speed control and spindle speed override knob
- Programmable flood coolant (M08), splash guards and chip pan
- Automatic lubrication system and work light
- Standard tools and manuals
- 2-year MillPwr-G2 system warranty

OPTIONS & ACCESSORIES

- Quill scale feedback with linked Z-axis compensation
- Linear glass scale feedback option (X/Y/Z)
- Electronic edge finder (0.5" shank, 0.2" tip)
- Electronic edge finder (16mm shank, 6mm tip)
- Touch probe KT-130
- Off-Line Software (desktop programming option)
- Internal transformer to provide 120V for CNC control (120V for CNC so that separate 120V source not needed)
- Air power drawbar
- Option for 440V electrics instead of 220V 3PH power
- Multi-tap transformer 440~480V primary to 220V, 20KVA
- Machine start up installation and operator training
- Programmable rotary table indexer