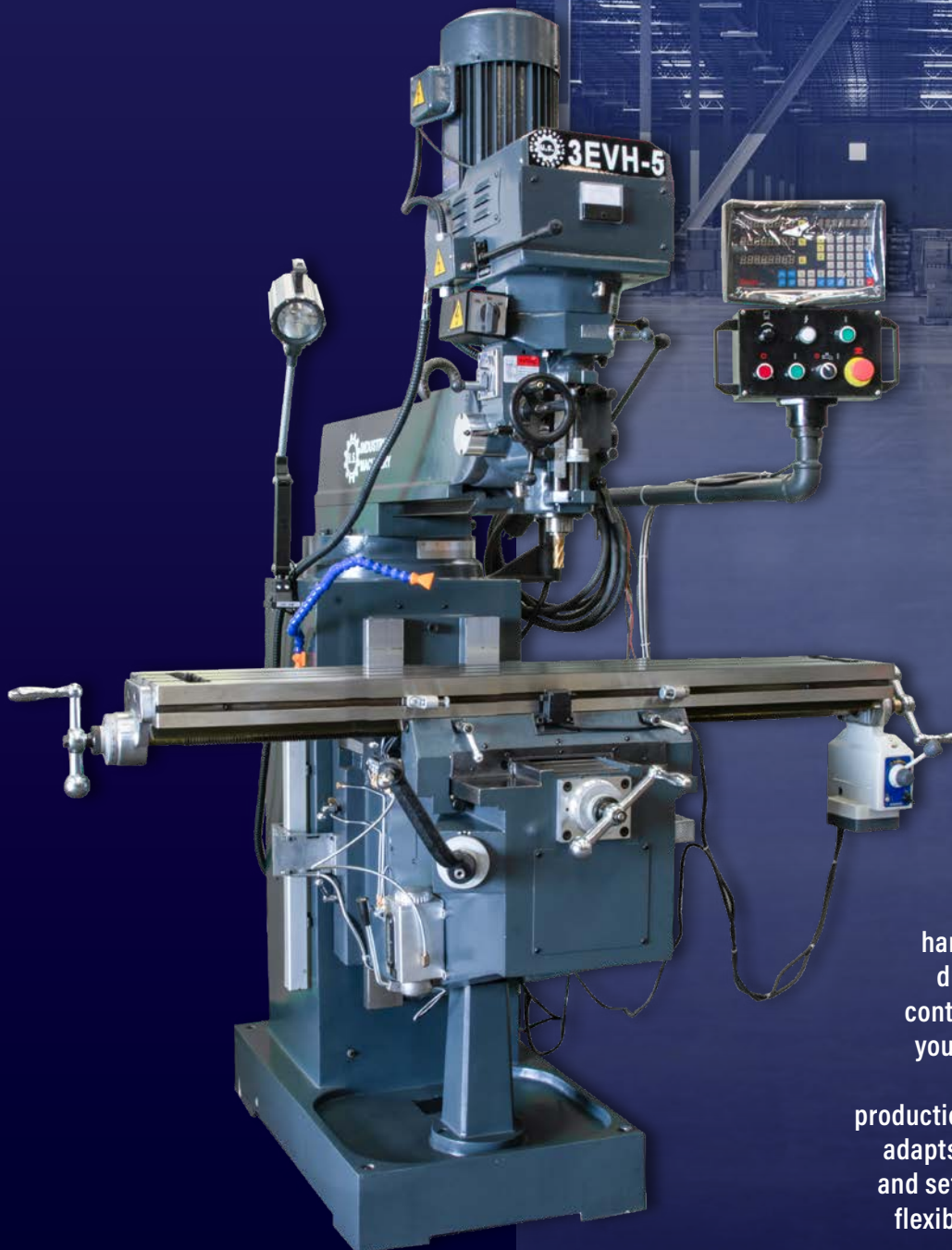


MILLING MACHINES

VH AND EVH SERIES



U.S. Industrial VH and EVH series knee mills offer unmatched versatility and value for any machine shop or toolroom, serving as a true all-purpose tool. With its adjustable quill, tilting head, and movable knee, it can handle everything from precise drilling and boring to complex contouring and slotting. Whether you're doing one-off prototypes, repair work, or small-batch production, a U.S. Industrial knee mill adapts easily to different materials and setups—making it an essential, flexible workhorse for any facility.

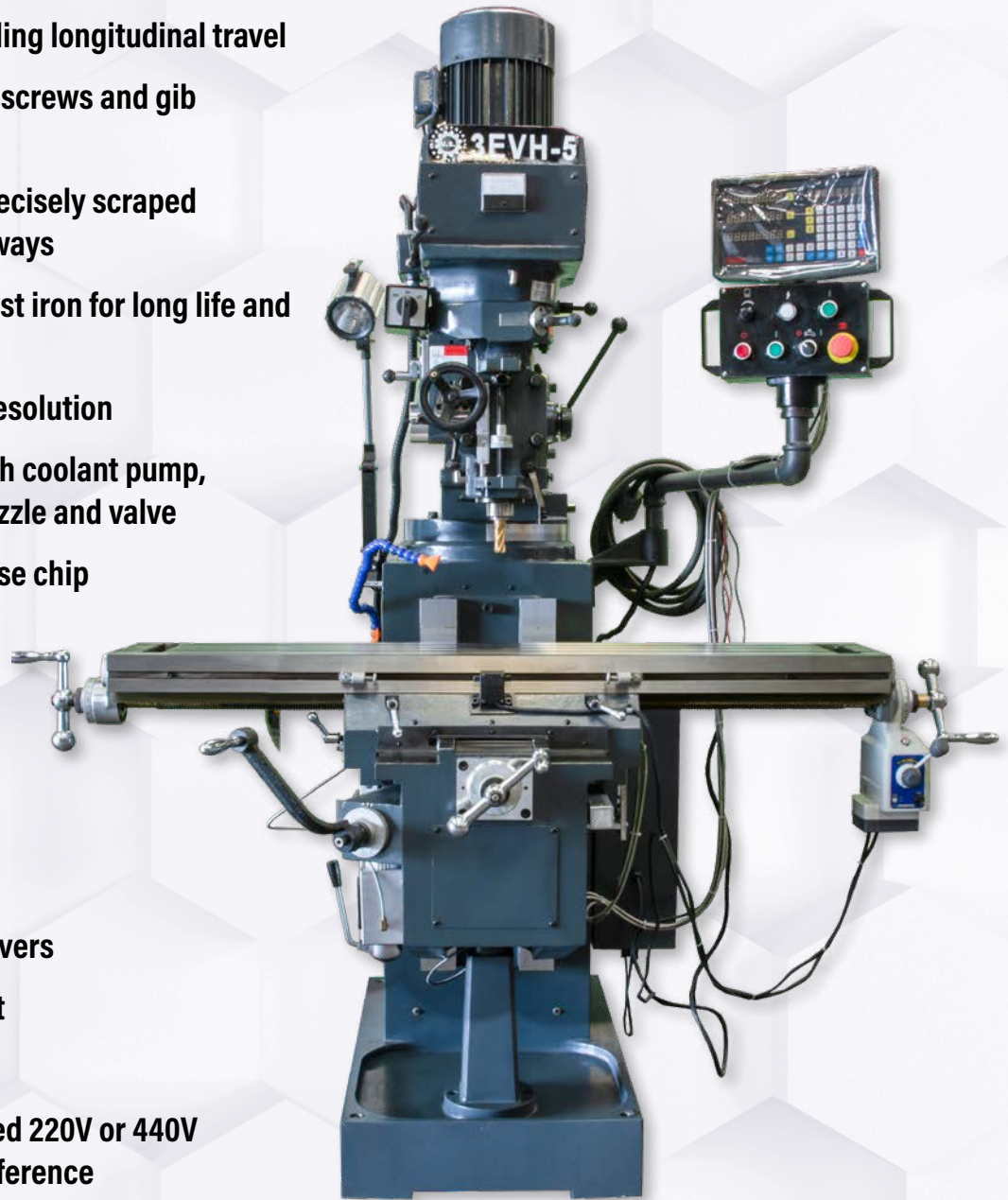
Milling Machines VH and EVH Series Specifications

Model#	2VH-3	3VH-3	3EVH-5
Spindle Taper	R-8	R-8	R-8
Quill Diameter	3.375"	3.375"	3.375"
Number of Spindle Speeds	Variable	Variable	Electical Variable
Spindle Speed Range (60HZ)	60-4,200 RPM	60-4,200 RPM	0-4,000 RPM
Spindle Feed Range (Inches/Revolution) (3 Speeds)	0.0016", 0.003", 0.006"	0.0018", 0.003", 0.006"	0.0018", 0.003", 0.006"
Spindle Travel	5"	5"	5"
Head Tilt (Left to Right)	90°	90°	90°
Head Tilt (Front to Back)	45°	45°	45°
Maximum Distance Spindle to Table	1.70"-17.70"	3.15"-18.30"	3.15"-18.30"
Maximum Distance Spindle to Column	17.30"	24.50"	24.50"
Minimum Distance Spindle to Column	8.25"	10.20"	10.20"
Collet Cpacity	1/8"-5/8"	1/8"-7/8"	1/8"-7/8"
Table Size	9" x 49"	10" x 54"	10" x 54"
Longitudinal Travel (X-axis) with Powerfeed	30"	35"	35"
Longitudinal Travel (X-axis) without Powerfeed	34"	39"	39"
Cross Travel (Y-axis)	12"	14.875"	14.875"
Number of T-Slots	3	3	3
T-Slot Size	5/8"	5/8"	5/8"
T-Slot Centers	2.5"	2.5"	2.5"
Maximum Weight of Work Piece	727 lbs	837 lbs	837 lbs
Vertical Travel	16"	16"	16"
Main Motor Horsepower	3	3	5
Weight	2,820 lbs	3,406 lbs	3,439 lbs
Floor Area (W x D x H)	66" x 63" x 86"	96" x 69" x 87"	96" x 69" x 87"
Electrical	220 or 440 volts, 3 phase	220 or 440 volts, 3 phase	220 or 440 volts, 3 phase
Power Consumption (Amperage) (220/440 volt)	10/5	10/5	10/5



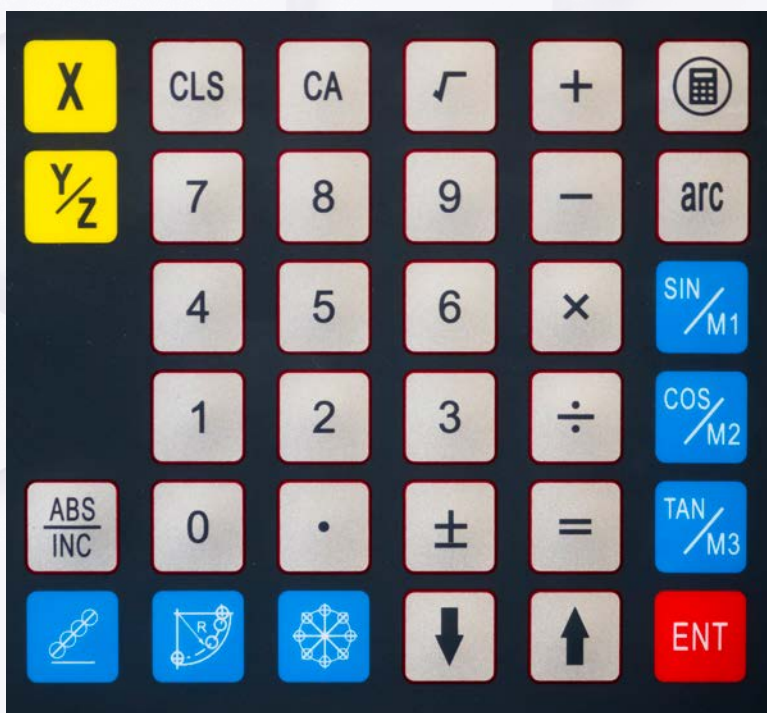
Standard Equipment Included on All Models

- Power-feed on X-axis controlling longitudinal travel
- Backlash adjustment for leadscrews and gib adjustments for ways
- Hardened and ground and precisely scraped worktable, saddle and knee ways
- Stress relieved meehanite cast iron for long life and accuracy
- Digital readout with 0.0002 resolution
- Built in coolant tank base with coolant pump, pressure and return hose, nozzle and valve
- Installed and ready to use base chip pan to help prevent coolant overflow
- Conventional dovetail ways on X, Y and Z axes
- One shot lube system
- Hard-chromed ways
- Front and rear rubber way covers
- 24 volt halogen machine light
- Tool box with tools
- Dual voltage main motor wired 220V or 440V (3 phase) per customer's preference

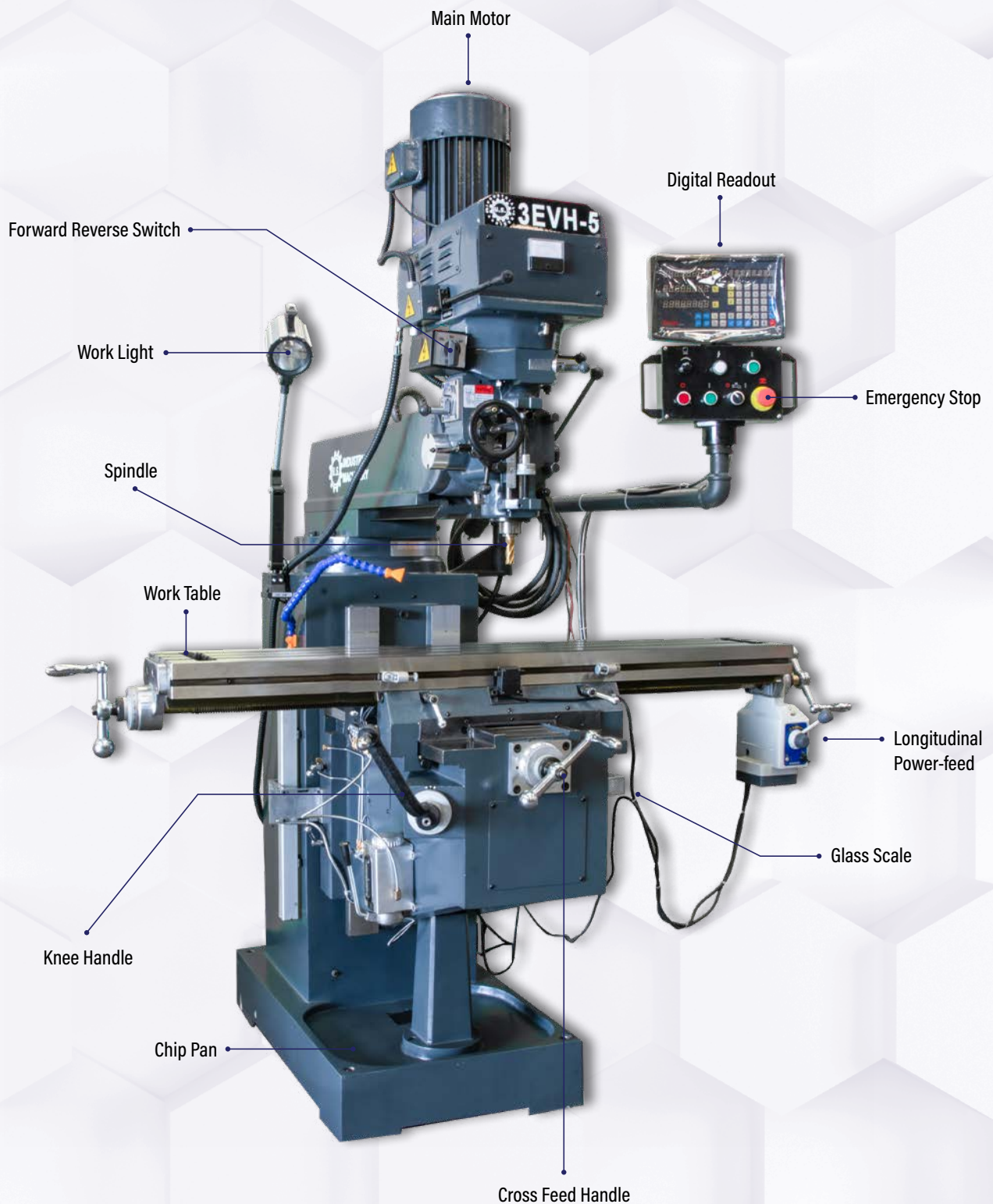


Optional Accessories

- Pneumatic drawbar for easy changing of tools
- Power feed for Y-axis (cross feed)
- Power feed for Z-axis (knee feed)
- Quick change collet set
- Clamping kit
- Precision parallel set in formed case
- 6" lock type vise
- R-8 collet set



Standards That Drive Performance

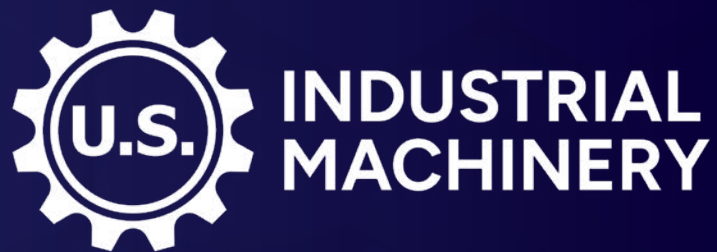


Resources

**MILLING MACHINES
VH AND EVH SERIES**

MACHINE OVERVIEW VIDEO





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