

U. S. INDUSTRIAL MACHINERY, INC.

P.O. Box 2098 Memphis, TN 38101

Phone Number: (800) 860-1850

Fax Number: (901) 526-2339

www.usindustrial.com

We are pleased to offer the following equipment for your consideration:

ONE (1) NEW U.S. INDUSTRIAL 10" X 54" ELECTRONIC VARIABLE SPEED MILLING MACHINE, Model Number: 3EVH-5-KIT

STANDARD FEATURES AND EQUIPMENT: (KIT PACKAGE ONLY)

- Large 10" x 54" table with 3 T-slots, 5/8", on 2.5" centers
- Large knee allows saddle to travel over 15" for crossfeed
- Large ram allows for over 21" travel with throat from 5.5" to 26.75"
- Large Square Ways on Y and Z Axis..... Double locks on all axis
- Aged stressed castings, stress relieved for long life and accuracy
- Power quill feed allows for 0.0018, 0.0034, 0.0056 Inches per revolution of spindle
- Hardened and ground and precisely scraped work table, saddle and knee ways, turcite B coated for wear resistance
- Centralized one-shot lubrication pump lubricates all way surfaces and leadscrews
- Backlash adjustment for leadscrews, Gib adjustments for ways,
- Precision NSK spindle bearings,
- Electrical cabinet with internal transformer with 24 volt fuse protected controls, 24 volt spindle fan cooling motor, 24 volt halogen machine light. Also has Telemechanique magnetic contactors for flood coolant pump and spindle drive. Internal transformer also includes power supply for digital readout and power table feed.
- Operator 24 volt controls for spindle drive and coolant pump, with emergency stop button. Spindle off/forward/reverse switch.
- Built in coolant tank base with coolant pump, pressure and return hose, nozzle and valve. Installed and ready to use.
- **Yaskawa** infinitely variable speed spindle drive, 5 Horsepower (3.7Kw) powers the three phase induction spindle drive motor from 60 to 2200 RPM for 100% duty cycle. Drive comes preset to 60Hz and can be easily set to 140Hz for up to 5500 RPM, intermittent duty cycle. Spindle induction motor is finned for cooling and has 24 volt fan cooling system.
- **Kent KT-8** three axis digital readout has 0.0002" resolution. Readout comes mounted to quill, table and cross and is ready to use. The readout is inch/metric switchable, with absolute incremental function. There is a calculator function, bolt hole pattern function, line pattern function, and arc calculate function. A comprehensive manual is included.
- Power table feed is **Align** model AL500SX. Infinitely variable feed from .8 to 32 IPM with rapid button, on/off switch, and adjustable travel stops. This heavy duty power feed has 150 inch pounds of torque, with max to 550. Power table feed comes installed on machine, ready to use.
- Collect Rack, Leveling pads, toolbox and tools, manuals, electrical drawing, test certificate all included.

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Page 2 - NEW U.S. INDUSTRIAL 10" X 54" ELECTRONIC VARIABLE SPEED MILLING MACHINE, Model Number: 3EVH-5-KIT

SPECIFICATIONS:

Working Surface.....	10" x 54"
Longitudinal Travel.....	31.25" with powerfeed (36" without powerfeed) (Powerfeed stops pinned at max travel.)
Cross Travel.....	15.3"
Vertical Travel.....	13.6"
Ram Travel.....	21.25"
Head tilt, left to right.....	90 degrees left, 90 degrees right
Head Tilt, front to back.....	45 degrees front, 45 degrees back
Ram Circular Movement.....	360 Degree
Table To Spindle.....	16.5"
Spindle center to column.....	5.5" to 26.75"
T-Slots.....	3 @ 2 1/2" centers, 5/8" Ea.
Spindle Drive.....	Yaskawa 3.7Kw (5 Horsepower) Variable frequency inverter
Spindle Range (Electronic Variable).....	60-5500 RPM with frequency change (Factory preset - 60 Hz for up to 2200 RPM, 100% duty cycle) (User programmable up to 140 Hz for up to 5500 RPM, intermittent duty cycle.)
Spindle Type.....	R-8
Quill Travel & Diameter.....	5" travel and 3 3/8" diameter
Power quill feed range, Inches per rev.....	0.0018", 0.0034", 0.0056"
Weight of Work Piece, max.....	660 lbs
Spindle Motor.....	3 HP, 208-240 volt, 3 phase induction drive spindle motor motor- standard
Electrics.....	208-240 volts, 3 phase – standard
Machine, Net Weight.....	3400 lbs

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Page 3 - NEW U.S. INDUSTRIAL 10" X 54" ELECTRONIC VARIABLE SPEED MILLING MACHINE, Model Number: 3EVH-5-KIT

Standard Configuration of KIT Machine: (All items already installed on machine!)

• Base Price of machine.....F. O. B. Memphis, TN.....	\$ 9,950.00
Part Number: 3EVH-5	
• Upgraded to 5HP Yaskawa electronic vari-speed spindle drive.....	1,790.00
Part Number: VS-606V7-K	
• Heavy duty power table feed on X axis.....	630.00
Part Number: AL500SX-K	
• Flood coolant pump, hose, nozzle.....	450.00
Part Number FCKIT-K	
• Chip pan.....	195.00
Part Number CP-K	
• Machine light.....	195.00
Part Number ML-K	
• Front and Rear way covers.....	75.00
Part Number: FRWC-K	
• Collet Rack.....	25.00
Part Number: CR-K	
• Three axis digital readout.....	<u>1,895.00</u>
Part Number KT8-K	
Subtotal.....	\$ 15,205.00
Less package discount.....	- <u>1,215.00</u>

TOTAL PRICE OF KIT.....F.O.B. Memphis, TN.....\$ 13,990.00

Options you may wish to purchase: (All items will be installed on machine.)

• Transformer for 440/460/480 volt operation, mounted and wired.....	495.00	(3PHTRANS-K)
• Air Power Drawbar, pneumatic, installed.....	895.00	(PDB-PB001)
• Bestline Power Feed for Y-axis (cross feed).....	730.00	(Y150-3V)
• Bestline Power Feed for Z-axis (knee feed).....	795.00	(Z150-3V)
• Mill QC collet set, 1 holder R-8 to ER32, 1 spanner for collet nut, 11 ER32 collets from 1/8" to 3/4", all in form fitted case.....	219.00	(R8ER32KIT-K)
• Clamp kit, 58 piece, bolts, nuts, step blocks, fingers, for fixturing.....	69.00	(CK-K)
• Precision Parallel Set, several matched parallels in form case.....	149.00	(P100-K)
• Milling vise, 6" lock type.....	299.00	(6" VISE-K)
• R-8 collet set, 11 pieces.....	99.00	(R8-SET)

We await your reply and thank you for this opportunity to quote.

Sincerely,

U.S. Industrial Machinery, Inc.

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U. S. Industrial Machinery Vertical Milling Machine Model 3EVH-5 Electronic Variable Speed

