

Precision Matthews / Quality Machine Tools
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Building #7
Pittsburgh, PA 15205
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Sept 30, 2013

Dear Customer,

Please find the quotation for the equipment that you expressed an interest to obtain. If you have any questions at all, please do not hesitate to contact us.

Model PM-935S and PM-935V
Hi Precision Vertical Knee Type Milling Machines
(For pricing, see page 3)

Typical Users:

- Industrial users looking for a top quality, full featured vertical knee type milling machine, built for industrial use, with a smaller size to save space
- High end gunsmiths looking for a smaller knee type milling machine, who wish to maintain the quality and features of a full sized knee mill, but also want to save on space
- Users who appreciate a high end, full featured knee type milling machine with the space saving characteristics this offers
- Any other users who can appreciate a top quality machine with full features and no shortcuts, in a smaller space-saving size, at a very reasonable price for the level of quality that you are purchasing

Main High Quality Features:

- High Grade Meehanite Castings
- Head Swivels Left and Right, AND Tilts Front To Back, only machine in this class with this feature
- Turcite B way material for smoother table movements
- Hardened and Ground table and way surfaces greatly reduces wear, which maintains accuracy, and greatly extends machine life
- One Shot Lubrication system is standard equipment, which also extends machine life, and reduces oiling times of all way surfaces and lead screws to seconds, it is accomplished by simply pumping a lever
- High precision Inch Pitch lead screws, for ease of use and greater accuracy (5TPI Screws)
- High Precision Spindle with +/- .0001" or less runout for greater tool life and accuracy
- Balanced pulleys in head for smooth and quiet operation
- Full featured head with automatic quill feeds in 3 steps for boring operations
- Precision Honed Quill Bore for tighter tolerance fit, which leads to improved accuracy when drilling and precision boring
- The Quill is Precision Ground, then Hard Chrome Plated for longer life
- Available with either step pulley speed changes, or variable speeds to suit the user's preferences
- Built in coolant sump in machine base
- Tolerance Test Certificate included, each machine is checked for accuracy through a careful inspection process before shipment, the customer can always be sure they will receive a top quality machine that exceeds their expectations
- Longest in class 5 YEAR WARRANTY against defective parts, including electrical (excludes normal wear items such as belts, bushings, etc)

Main Specifications

Model	PM-935S	PM-935V
Table Size	9"x35"	
X Axis Travel	24"	
Y Axis Travel	12"	
Z Axis Travel (Knee)	15"	
Min/Max. Distance, Spindle to Table	2"/17"	
Quill Travel	5"	
Leadscrew Type	Precision Ground ACME Leadscrew W/ Double Nut Backlash Adjustments on X and Y Axis	
Leadscrew Pitch	.200" (5 Threads Per Inch)	
Dial Graduations	.001"	
Spindle Taper	R8	
Spindle Speed Range	80-2720 RPM (8 steps) (opt, 16 Steps in 3 phase)	60-4200 RPM (Variable) (Same for single or 3 phase)
Speed Change Type	Belt Change	Variable Speeds
Spindle Bearing Type	High Precision Tapered Roller Bearings, Fully Adjustable	
Spindle Bearing Class	C7	
Main Motor H.P.	3 HP	3 HP
Overall Height, Head Up	76.5"	83.5"
Height with head down (For moving and shipping)	60"	60"
Depth	Front to back, rear of machine to front of knee casting 36" Rear of machine to tip of Y axis handle 44"	
Width	X Axis Table Handles, Tip to Tip 48"	
Net Weight	1430 LBS	1520 LBS
Voltage / Phase	220 Volt 3 Phase (220 Volt Single Phase Available)	
Warranty	5 Years	
Shipping Dimensions LxWxH	48"x48"x64"	

Pricing

Model	PM-935S	PM-935V
Milling Machine with Standard Equipment, Including: <ol style="list-style-type: none"> 1. Drawbar 2. Way Cover Set 3. Hardened and Ground Table and Ways 4. Hard Chromed Quill 5. One Shot Lubrication System 6. Turcite B Way Coating 7. Power Feed on Quill, 3 Steps 8. Tolerance Test Certificate 9. Operator's Manual and Parts List 10. 5 Year Warranty 	\$4,999.00	\$5,999.00
<u>Optional Equipment Listed Below</u>		
Coolant System	\$299.00	
Chip Pan for Coolant System	\$129.00	
Halogen Work Light	\$99.00	
220 Volt, 1 phase Operation	\$169.00	\$299.00
52 Pc. Clamp Set (High Quality)	\$69.00	
5" High Precision Milling Vise, with Swivel Base	\$259.00	
6" High Precision Milling Vise, with Swivel Base	\$299.00	
11 Pc. R8 Collet Set, 1/8"-7/8"	\$49.95	

Valid: Until remaining Machines are sold out on this coming shipment

Delivery: 4 weeks, first week of November 2013

Shipping: Actual Shipping Cost

Sincerely,

Matt Nadeja

Quality Machine Tools

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www.machinetoolonline.com