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TECHNOLOGY GROUP

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12″ Deluxe Vertical Milling Machine

Options Select an option for pricing

- ☐ Accordian Way Cover Set
- ☐ 15″ Extended Column Upgrade
- ☐ 18″ Extended Mill Table

ADD TO CART

♡ Add to Wishlist

SKU: N/A

Category: Manually Controlled

Description | Instructions | Specifications | Replacement Parts | 3D View | Compare Mills | Shipping & Returns









	5000 (5100)	5400 (5410)	2000 (2010)	5800 (5810)
Max. clearance (table to spindle)	*8.00″ (203 mm)*	*8.00″ (203 mm)*	*9.00″ (229 mm)*	*14.00″ (356 mm)*

Throat (no spacer)	*2.25″ (50 mm)*	*2.25″ (50 mm)*	*Adjustable*	*Adjustable*
Throat (w/ headstock spacer)	*Optional*	*3.50″ (90 mm)*	*Adjustable*	*Adjustable*
Travel: X-axis (with stop)	*8.65″ (220 mm)*	*8.65″ (220 mm)*	*8.65″ (220 mm)*	*13.65″ (347 mm)*
Travel: Y-axis	*3.00″ (76 mm)*	*5.00″ (127 mm)*	*7.00″ (178 mm)*	*11.00″ (279 mm)*
Travel: Z-axis	*6.25″ (159 mm)*	*6.25″ (159 mm)*	*5.38″ (137 mm)*	*9.38″ (238 mm)*
Hole through spindle	*.405″ (10 mm)*	*.405″ (10 mm)*	*.405″ (10 mm)*	*.405″ (10 mm)*
Spindle nose thread	*3/4-16 T.P.I.*	*3/4-16 T.P.I.*	*3/4-16 T.P.I.*	*3/4-16 T.P.I.*
Spindle nose taper	*#1 Morse*	*#1 Morse*	*#1 Morse*	*#1 Morse*
Spindle runout of Morse taper	*.0005″ or less*	*.0005″ or less*	*.0005″ or less*	*.0005″ or less*
Handwheel graduations	*.001″ (.01 mm)*	*.001″ (.01 mm)*	*.001″ (.01 mm)*	*.001″ (.01 mm)*
Handwheel Type	*Standard Handwheels*	*Zero Adjustable Handwheels (With the exception of DRO machines which come with DRO handwheels)*	*Zero Adjustable Handwheels (With the exception of DRO machines which come with DRO handwheels)*	*Zero Adjustable Handwheels (With the exception of DRO machines which come with DRO handwheels)*
Electronically controlled spindle speed range	*70 to 2800 RPM*	*70 to 2800 RPM*	*70 to 2800 RPM*	*70 to 2800 RPM*
Width overall	*14.75″ (375 mm*	*15.00″ (381 mm)*	*15.00″ (381 mm)*	*20.00 (508 mm)*
Depth overall	*11.75″ (298 mm)*	*14.00″ (356 mm)*	*22.25″ (565 mm)*	*23.13″ (588 mm)*
Height overall (Max.)	*20.75″ (527 mm)*	*20.75″ (527 mm)*	*23.38″ (568 mm)*	*24.50″ (622 mm)*
Table size	*2.75″ x 13.00″ (70 mm x 330 mm)*	*2.75″ x 13.00″ (70 mm x 330 mm)*	*2.75″ x 13.00″ (70 mm x 330 mm)*	*2.75″ x 18.00″ (70 x 457 mm)*
Hold-down provision	*2 T-slots*	*2 T-slots*	*2 T-slots*	*3 T-slots*
Shipping weight	*33 lb (15.0 kg)*	*36 lb (16.3 kg)*	*38 lb (17.2 kg)*	*50 lb. (22.7 kg)*
Movements in addition to X-, Y- and Z-axes	*Headstock rotation (90° L/R)*	*Headstock rotation (90° L/R)*	*Headstock rotation (90° L/R)*	*Headstock rotation (90° L/R)*
Column rotation	*N/A*	*N/A*	*(90° L/R)*	*N/A*

Column pivot	*N/A*	*N/A*	*(90° Fwd/Bk)*	*(90° Fwd/Bk)*
Column swing	*N/A*	*N/A*	*(90°L/R)*	*(90°L/R)*
Column travel	*N/A*	*N/A*	*(In/Out) 5.5" (140 mm)*	*(In/Out) 5.5" (140 mm)*

Motor Specs

Input voltage	*100 to 240 VAC, 50 or 60 Hz*
Output to motor	*90 VDC*
Current draw	*.5 to 15 amps depending on load*
No-load output shaft speed	*6000 RPM (no pulley)*

Click here for more detailed specs

Spindle Specs

Spindle End play (factory adjustment of preload)	*.0002" (.005 mm) or less, normal pulleys*
Runout at nose	*.0005" (0.013 mm) or less*
Bearings	*Two 20 mm lifetime lubricated ball bearings with adjustable preload*

If you are working with brass or wood, we suggest you use the toggle switch dust cover to protect the life of your motor & speed control.

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