



# MANFORD MACHINERY, INC.

285 S. DuPont Ave. Ste.101. Ontario, CA 91761  
Tel: (909) 923-5520 Fax: (909) 923-5509

P.O. Box 7002, West Orange, NJ 07052-7002  
Tel: (201) 729-1100 Fax: (201) 729-1155

[URL:www.manford-usa.com](http://www.manford-usa.com) [e-mail:sales@manford-usa.com](mailto:sales@manford-usa.com)

## *Precision high quality 2V Model Vertical Turret Milling by Manford Machinery*

**MODEL: 2V (9"x49" table) US\$ 8000.00 FOB Ontario, CA**

**MODEL: 2VS (9"x42" table) US\$ 7800.00 FOB Ontario, CA**

### **MACHINE FEATURES 2017**

- 9" X 42" Table or 9"x49" Table
- Variable speed, 3HP Spindle Motor, 220/440V, 3 phase
- R8 (NST#30) Spindle Hardened & Ground.
- Chrome-Plated Slide Ways and Gibs
- Hardened & Ground Table top.
- Double brass-nut backlash compensated on XY leadscrew
- Meehanite casting
- Chrome plated precision ground quill with internal ground of quill housing
- Class 7 spindle bearing
- Power quill feeds with automatic stop
- Tool box & Tools
- Rubber chip cover (front & rear )
- ISO 9002 Certification
- Quill diameter 3-3/8"
- One shot lubrication system
- Tool and tool box



### **Specification:**

Table:	9" x 49" (228 x 1245mm)
T-Slot No.x Size:	3" x 5/8" (3 x 15.875mm)
Longitudinal travel (W power feed ):	37" (939mm)
Cross travel:	12" (305mm)
Travel of knee:	16" (406mm)
Ram travel:	15" (390mm)
Quill travel:	5" (127mm)
Table to spindle nose (D):	1.3" - 17.3" (34-440mm)
Over swivel on turret:	360°
Head Swivel ( R & L ):	90°
Head tilt ( UP & DOWN ):	45°
Spindle to column (F):	6" x 21.4" (153x544mm)
Spindle motor:	3HP
Spindle taper:	R8
Quill feed:	0.0015" - 0.003" - 0.006"
Spindle Speed (r.p.m.):	( 60Hz)70-4500
Overall height (A):	84" (2140mm)
Overall depth (B):	63 5/8" (1618mm)
Overall width (C):	59" (1497mm)



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Net Weight:

2200 lbs. ( 950 Kgs)

**Optional Accessory for milling machine:**

Align AL-500 Power feed for X:	\$ 550.00
Servo model 150 Power Feed X (M-0200-150):	\$ 925.00
Servo model 150 Power Feed Y (M-3550-150):	\$ 1175.00
Align AL-500 Power feed for Y OR Z:	\$ 600.00
Servo power feed (Z axis) Model 200 (M-3580-200):	\$ 1033.00
Coolant system (1/8 HP,3PH,220V )	\$ 400.00
Coolant tray (Base)	\$ 295.00
Riser block 4" /6"/8"	\$ 500/550/600.00
Quartz work light:	\$ 160.00
6" Angle-fixed milling vise with swivel base:	\$ 360.00
Clamping kit (54 pcs):	\$ 95.00
R8 Right Angle Attachment complete set	\$ 880.00

**DRO System:**

Newall DP700 mill package, 3 Axis	\$ 2350.00
Newall DP700 mill package, 2 Axis	\$ 1750.00
FAGOR 20i M, LED Screen 2 Axis	\$ 1600.00
FAGOR 30i M, LED Screen 3 Axis	\$ 2200.00
FAGOR 40i TFT LCD Screen, 3 Axis	\$ 2600.00
Sino DRO system, 2 axis	\$ 1000.00
Acu-Rite VUE DRO, 2 axis	\$ 1600.00
Acu-Rite 200S DRO, 2 axis	\$ 2000.00
Acu-Rite 200S DRO, 3 axis with Quill scale	\$ 2500.00
Acu-Rite 200S DRO, 3 axis with knee scale	\$ 2600.00
Mitutoyo Quill kit	\$ 350.00

**Power Drawer bar:**

Kurt Mechanical power Drawbar R-8 (SH6600)	\$ 950.00
MAXI TORQUE-RITE power drawbar (R8 )	\$ 800.00
Taiwanese Power Drawbar	\$ 700.00

**DELIVERY:** Two weeks after receiving your confirmed P/O

**STANDARD TERMS OF PAYMENT:** Net 30 days

**WARRANTY:** One-year warranty for all mechanical and one-year for electrical components

Proposal: 2V mill standard with R8, VS, 220V/440V/3HP, 9"x49" table	\$ 8,000
Align AL-300 Power feed for X:	\$ 450.00
Sino DRO system, 2 axis	\$ 1000.00

Total: \$9,450.-

Special Your net: \$8,000 FOB Ontario, CA



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## SUPER PRECISION VERTICAL TURRET MILLING

2017

**MODEL: SPI50VSL**

**US\$ 8,800.00**

### MACHINE FEATURES

- 9" X 49" Table, Hardened & Ground Table with Ground T-Slot
- 3HP Spindle Motor, variable speed
- R8 (NST#30) Spindle Material Scm415(SAE4115)Hardened & Ground.
- Bearing support to the motor shaft
- Unique rigid design on spindle auto-feed, spline design on the pinion & clutch support
- Turcite-B On X&Y Ways, Slide-ways and Gibs.
- Hardened & Ground X&Y Slide-ways.
- Electroless Nickel-Phosphorus Process On X&Y lead-screw with hardness 35 HRC.
- Lead-screw nut made from PBC2, phosphor bronze
- Highly Improved Vari-Speed Head.
- 1-1/4"(32mm) Diameter Lifting Screw.
- Leveling Screw & Plate On Base.
- Strict Required Scraping with High Precise Accuracy.
- Tool box & Tools
- Rubber chip cover (front & rear )
- Made in Taiwan
- 2 years parts warranty



### Specification:

Table:	9" x 49" (230 x 1245mm)
T-Slot No.x Size:	3" x 5/8" (3 x 15.875mm)
Longitudinal travel (W/O power feed ):	37" (940mm)
(With power feed ):	34"(863mm)
Cross travel:	12" (305mm)
Travel of knee:	16" (406mm)
Ram travel:	14" (356mm)
Quill travel:	5" (127mm)
Table to spindle nose (D):	1-3/8" - 17-3/8" (34-440mm)
Over swivel on turret:	360°
Head Swivel ( R & L ):	90°
Head tilt ( UP & DOWN ):	45°
Spindle to column (F):	6"-21" (153-544mm)
Spindle motor:	3HP
Spindle taper:	R8 (or NST#30 )
Quill feed:	0.0015" - 0.003" - 0.006"
Spindle Speed (r.p.m.):	( 60Hz) 60-4500, ( 50Hz ) 50-3800
Overall height (A):	84" (2140mm)
Overall depth (B):	63-5/8" (1618mm)
Overall width (C):	59" (1497mm)
Net Weight:	2200 lbs. (950 Kgs)



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### **Optional Accessory for milling machine:**

EVS Head, 3HP inverter motor with Driver 60-5000 rpm	\$ 1,600.00
Align AL-500 Power feed for X:	\$ 550.00
Servo model 150 Power Feed X:	\$ 895.00
Servo model 150 Power Feed Y:	\$ 975.00
Align AL-500 Power feed for Y OR Z:	\$ 600.00
Servo power feed (Z axis) Model 200	\$ 995.00
Servo Turbo power feed on any axis	\$1250.00
Coolant system (1/8 HP,3PH,220V )	\$ 400.00
Coolant tray (Base)	\$ 295.00
Riser block 4" /6"/8"	\$ 500/550/600.00
Quartz work light:	\$ 160.00
6" Angle-fixed milling vise with swivel base:	\$ 360.00
Clamping kit (54 pcs):	\$ 95.00
R8 Right Angle Attachment complete set	\$ 880.00

### **DRO System:**

Newall DP700 mill package, 3 Axis	\$ 2350.00
Newall DP700 mill package, 2 Axis	\$ 1750.00
FAGOR 20i M, LED Screen 2 Axis	\$ 1600.00
FAGOR 30i M, LED Screen 3 Axis	\$ 2200.00
FAGOR 40i TFT LCD Screen, 3 Axis	\$ 2600.00
Sino DRO system, 2 axis	\$ 1000.00
Acu-Rite VUE DRO, 2 axis	\$ 1600.00
Acu-Rite 200S DRO, 2 axis	\$ 2000.00
Acu-Rite 200S DRO, 3 axis with Quill scale	\$ 2500.00
Acu-Rite 200S DRO, 3 axis with knee scale	\$ 2600.00
Mitutoyo Quill kit	\$ 350.00

### **Power Drawer bar:**

Kurt Mechanical Power Drawbar	\$ 800.00
MAXI TORQUE-RITE power drawbar (R8 )	\$ 800.00
Taiwanese Power Drawbar	\$ 700.00

**F.O.B. :** Ontario, CA

**DELIVERY:** Three weeks after receiving your confirmed P/O

**STANDARD TERMS OF PAYMENT:** As agreed

**TAXES:** Federal, State, Local Taxes are the responsibility of Purchaser.

**VALIDITY:** This proposal is valid for 60 days.

### **WARRANTY:**

Two-year warranty for all mechanical and one-year for electrical components



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## SUPER PRECISION VERTICAL TURRET MILLING

**MODEL: SP-460VS**

**US\$ 9,800.00**

### MACHINE FEATURES

- 10 X 54" Table , long saddle & box way on Y
- Hardened & Ground Table with Ground T-Slot
- 3HP Spindle Motor, variable speed
- R8 (NST#30) Spindle Material  
Scm415(SAE4115)Hardened & Ground.
- Bearing support to the motor shaft
- Licensed Meehanite Casting
- Unique rigid design on spindle auto-feed, spline design on the pinion & clutch support
- Turcite-B On X&Y Ways, Slideways and Gibs.
- Hardened & Ground X&Y Slideways.
- Electroless Nickel-Phosphorus Process On X&Y leadscrew with hardness 35 HRC.
- Leadscrew nut made from PBC2, phosphor bronze
- Highly Improved Vari-Speed Head.
- Rubber chip cover (front & rear )
- 1-1/2"(38mm) Diameter Lifting Screw.
- Leveling Screw & Plate On Base.
- Tool box & Tools
- Rubber chip cover ( front & rear )
- Machine made in Taiwan complete

2017



### Specification:

Table:	10" x 54" (250 x 1370mm)
T-Slot No.x Size:	3" x 0.629" (3 x 16mm)
Longitudinal travel (W/O power feed ):	34" (870mm)
	(With power feed ):
Cross travel:	15-3/8" (390mm)
Travel of knee:	15-3/8" (390mm)
Ram travel:	22" (560mm)
Quill travel:	5" (127mm)
Table to spindle nose (D):	4" — 20" (100-506mm)
Over swivel on turret:	360°
Head Swivel ( R & L ):	±45°
Head tilt ( UP & DOWN ):	45°
Spindle to column (F):	6.25"-28.3" (159-719mm)
Spindle motor:	3HP
Spindle taper:	R8 (or NST#30 )
Quill feed:	0.0015" - 0.003" - 0.006"
Spindle Speed (r.p.m.):	( 60Hz) 60-4500, ( 50Hz ) 50-3800
Overall height (A):	87" (2211mm)
Overall depth (B):	82" (2087mm)
Overall width (C):	72.4" (1840mm)
Net Weight:	3000 lbs. (1300 Kgs)



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Servo model 150 Power Feed Y:	\$ 995.00
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Servo power feed (Z axis) Model 200	\$1095.00
Coolant system (1/8 HP,3PH,220V )	\$ 400.00
Coolant tray (Base)	\$ 300.00
Riser block 4" /6"/8"	\$ 500/550/600.00
Quartz work light:	\$ 160.00
6" Angle-fixed milling vise	\$ 360.00
Clamping kit (54 pcs):	\$ 95.00
R8 Collet set ( 7pcs/set ):	\$ 95.00
R8 Right Angle Attachment complete set	\$ 880.00
XY Precision Ballscrews upgrade	\$ 1,200.00

### **DRO System:**

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