

Manual Knee Mill Model: 2VSG

- **3HP spindle motor, R8 spindle taper**
- **4,200 rpm spindle speed with HI-LO gear**
- Hardened & ground with Turcite-B coating guide way
- C7 double nut precision acme lead screws for high accuracy and long lasting
- FC30 Meehanite casting main frame with annealed & stress relieved for long term reliability
- Anti rust chrome quill
- Standard way covers on all three axes
- Tool box & tools
- Precision APEC class7 spindle bearing to ensure spindle run out within 0.0002 in
- One shot lubrication system
- Built-in Quartz work light



Specification

Table:	9" x 49"
Longitudinal travel:	36"
Cross travel:	12"
Quill travel:	5"
Knee travel (manual):	16"
Quill diameter:	3 3/8" (86 mm)
Spindle nose to table top (D):	3/4" to 16 3/4" (20-426 mm)
Load capacity:	600 lbs
Spindle taper:	R8
Spindle speed:	70 to 4200 rpm with Hi/Lo gear
Transmission of spindle & motor:	Timing belt
Spindle center to column front surface:	6 7/8" to 27 7/8" (175-707 mm)
Ram Travel:	12"

Head

Swivel (left/right):	90°
Tile (front/back):	45°

Motor

Spindle motor:	3 HP
KVA rating:	4 KVA, 15 Amps
Coolant pump (optional):	1/8 Hp
Lubrication pump:	One shot
Power requirement:	4 KVA, 3 Phase 208V to 230V (Max)

Dimension & Weight

Length x Width x Height:	101" x 70" x 82"
Net weight:	2,600 lbs (1182 kgs)





Model	Spindle	Travel X/Y/Z	Tool Change	Spindle Motor	FOB CA
2VSG	R8	36/12/16"	Manual	2.2kW(3HP)	\$7,565

Standard Accessories

Tools & box	Way cover	Operation manual	Halogen work light
Draw bar	One shot lube system		

Optional Machine Accessories

E-Kit 1*	Upgrade to electronic vari-speed head 2EV with inverter	\$1,500
E-Kit 2 *	Complete electronic vari-speed head with inverter package	\$4,900
AL-400SX	Power Feed X-axis for ALIGN	\$575
AL-400SY	Power Feed Y-axis for ALIGN	\$720
AL-400SZ	Power Feed Z-axis for ALIGN	\$720
AX-Labor	Installation of Power Feed X axis	\$80
AY & Z -Labor	Installation of Power Feed Y & Z axis /Each Axis	\$100
DRO-Sino/Rational	DRO System X & Y Axis (Sino / Rational)	\$720
C80-2-949	DRO System X & Y Axis (NEWALL)	\$1,780
C80-3-949	DRO system X & Y & Quill axis (NEWALL)	\$2,335
DRO-Labor-2 Axis	Installation for 2 Axis DRO	\$180
DRO-Labor-3 Axis	Installation for 3 Axis DRO	\$250
CHIP-A1	Chip Pan (Aone Knee Mill)	\$220
CK-001	52pcs Clamping Kit (Import) slot 5/8" (16mm) stud: 1/2"-13	\$80
COL-R8	Collet R8 set -11 pcs (Import)	\$84
COL-R8-LY	Collet R8 Lyndex Collet Set-11pcs	\$300
PDB-MAX	Power Draw Bar-Maxi-Torque	\$710
PDB-MAX-L	Installation of Power Draw bar	\$100
RAA-R8	Right Angle Attachment (R8 Tapper)	\$990
RB6-A1-2V	6" Riser Block for Aone 2VSG /3VHG	\$850
RB8-A1-2V	8" Riser Block for Aone 2VSG/ 3VHG	\$990
RB-Labor	Installation of any riser block	\$150
WISE-6	6" Angle Vise W/ Swivel Base (Import)	\$360
PH-CON	Phase Converter 3 phase to single phase	\$460

Electronic Variable-Speed (Inverter Driven - Model: 2EV)

* E-Kit 1 need to complete in factory before it ship, after machine ship you need to order E-Kit 2

Common Spare Parts

B178	Clock spring	\$30
B175 + 190 + 191	Quill Handle Assembly	\$36
C47 + C48	Table Lock Bolt + Handle Assembly	\$20
D2	Ball Crank + Handle	\$28
VS4	Belt	\$90
VS5	Adjustable Motor Varidisc + Key 7x7x50	\$200
VS6	Bushing	\$70
VS44	Adjustable Driven Varidisc + Key 8x7x63	\$250
VS63	Timing Belt	\$45
VS109-R8	Manual Drawbar + Washer (for R8 Spindle)	\$36
VS109-30	Manual Drawbar + Washer (for #30 taper Spindle)	\$36

Atrump recommends customers outside the U.S. to buy common spare parts together with the machines. It could save some shipping charge if the parts are needed in the future.





Additional Accessories Information

Power requirement: 4 KVA 3 phase 208V to 230V (Max)
Air requirement: With opt. power draw bar 90 - 100 psi
Type of oil for way oil / pneumatic oil:..... Mobil Vectra #2 / Air tool oil
Coolant capacity: 7 Gallons

Terms & Conditions

F.O.B.: Pomona, CA 91768
Delivery: Please check with Atrump's Sales Team
Standard Terms Of Payment: 20% down-payment, balanced due on machine delivery
Taxes: Federal, State, Local Taxes are the responsibility of Purchaser.
Validity: This proposal is valid for 30 days.
Warranty: One-year limited warranty for any defects in material or workmanship of machine tool and factory installed components. Visit www.atrump.com/policy for full warranty details & contract.
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