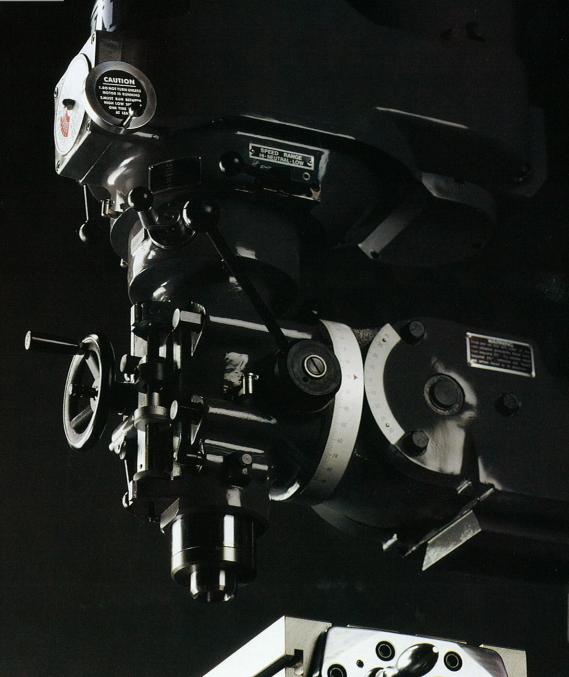
VERTICAL MILL MODELL MY

AVAILABLE WITH DIGITAL VARIABLE SPEED







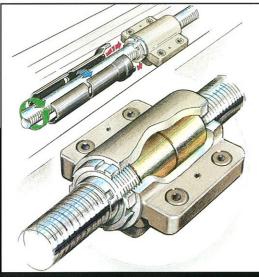
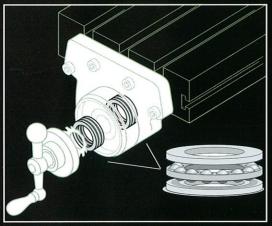
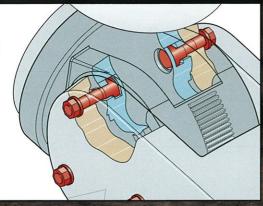


Table and saddle backlash is controlled by a unique doublenut design that keeps the feed screw in contact with a pair of bronze nuts at all times. Using a custom tool supplied with the mill, the feed nuts are adjusted to control backlash and held tight with a retaining nut and locking ring.



The LMV's table and saddle are mounted with thrust bearings that pre-load the feed screw, eliminating end-play for precisely controlled lateral movement.



Sharp mills have a knuckle which uses 6 bolts, 3 per side, fitted into circular T-slots with nuts securing them from the outside. This method locks the head into place more securely resulting in better accuracy and performance.



The underside of the saddle is hand-scraped for better oil retention. Our craftsmen repeatedly match the surfaces of each unit and check for precise fit, to guarantee more complete oil retention. This extra step avoids having chips and dirt embed in the knee and damage the sliding surface.



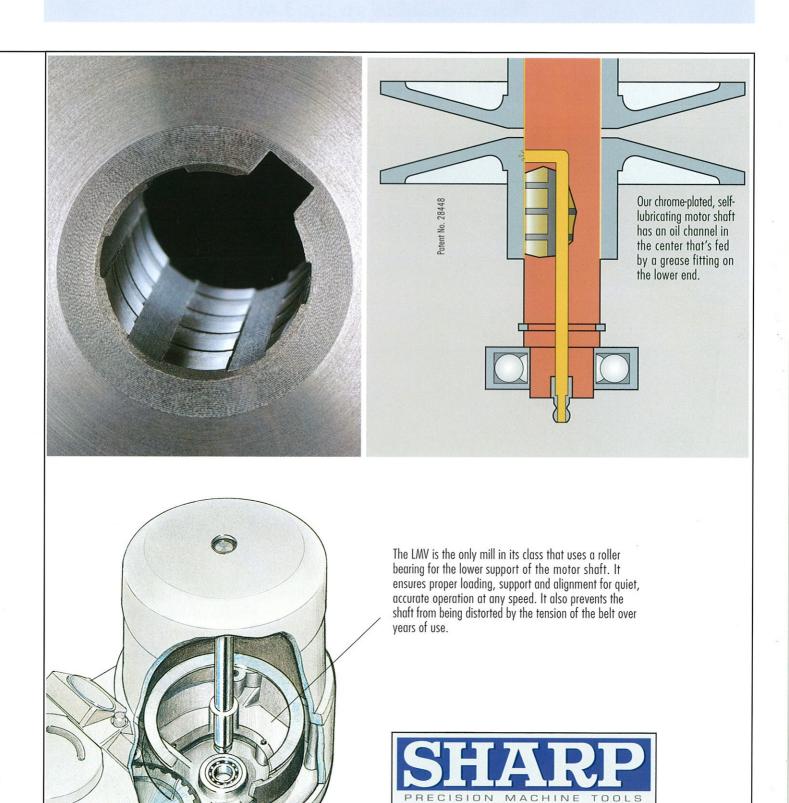
A pair of high-output fans keep the LMV's powerful 3 h.p. head cool—one of a series of heat-dispersion features that allow the LMV to work demanding jobs for extended periods without damaging the motor, belts or bearings.



A matched pair of super-precision ABEC-7 angular contact bearings support the spindle. The quill is CNC-ground to a mirror finish, then chromed to fit the housing. Together, they insure spindle runout of no more than 0.0002" T.I.R.—a tolerance unsurpassed in the industry.

PATENTED FEATURE 5

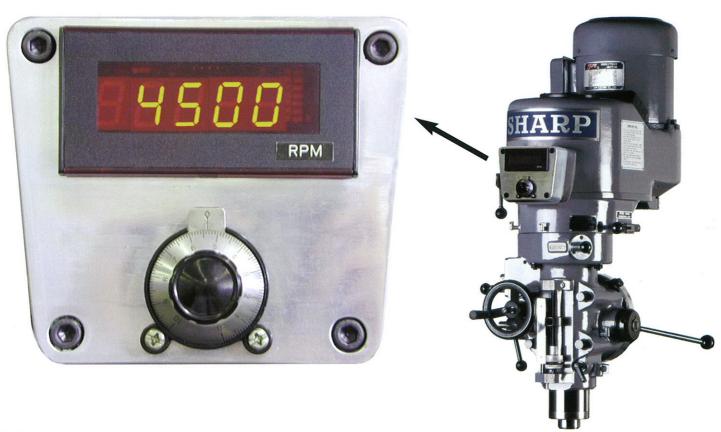
Details inside make it superior: The motor shaft and VariDrive pulleys are dynamically balanced, then hard-chromed for a flawless fit. Our unique pulley design uses precision-ground ribs on the inside diameter for super-smooth speed changes.



DIGITAL VARIABLE SPEED (DVS)

Now Available on the LMV!

GO DIGITAL!



Why Choose Sharp DVS?

- Dynamic brake
- Low voltage control
- Large **Digital** RPM display
- Extremely easy to operate
- Fully enclosed display unit
- Yaskawa Inverter Drive System

- High reliability with fewer moving parts
- Machine runs on single phase and 3 phase
- Safety device prevents machine from self starting after power failure or emergency stop.
- Unsurpassed accuracy, reliability, and value

Experience Superior Milling

5 PECIFICATION 5

Table	0.40
working surface T-slot number, size	9 x 42" 3, ⁵ /8"
Capacity table travel; x-axis saddle travel; y-axis ram travel quill travel; z-axis knee travel spindle to column (min-max) spindle to nose to table	
Spindle	0.110
motor	R-8
Dimensions and Weight floor area (w x d)net weight (approximately)	7 x 6.5'
Model LMV-50: 50" table working surface table travel; x-axis	9x50"
Standard Equipment Hard-chromed ways. Cutler-Ham Front and rear rubber way cover	
Optional Accessories Digital Variable Speed head. #30 table, saddle and knee. R-8 collet Right-angle milling attachment. R Power drawbar.	set. Milling vise. Clamping kit
Optional Electrics U.L. • L.A. City. • J.I.C. • N.F.P.A	A. 79



