

16 speed

variable speed

electronic variable speed



Precision

Spindle support provided by high precision class 7 (p4) angular contact ball bearings which have been accurately measured, selected and preloaded, then assembled in a temperature controlled room to ensure accuracy and rigidity throughout the full RPM range.

Hardened and ground spindle back gears combined with hard chromed quill ground to a mirror finish and fitted to the quill housing to ensure smooth movement, excellent rigidity, aiding in extreme high spindle accuracy.

RELIABLE

Economical and easy to operate. Reliability and performance with a legendary name in machine tools! LeBlond LVM series Vertical Mills with a wide work table and spindle speed control selections.

STANDARD FEATURES

- Built in coolant tank in base
- Ground and hardened column slide ways
- Three precision table T-slots
- Ram slide ways ground.
- High precision angular contact ball bearings
- Precision hardened quill, ground and chrome plated.
- Cast iron hardened and ground table with Turcite B coated ways.
- Precision scrapping for ways and saddle, guaranteed contact with surface greater than 60 percent.
- Meehanite single wall castings
- Multi-point saddle, knee, table, and ram locks for high rigidity
- Auto lubrication system
- Turcite coated ways
- Chip Tray
- Autolube
- Halogen work lamp
- Available customized content

HEAVY DUTY

All essential castings are made of high grade Meehanite cast iron which has been stress relieved to provide a rigid machine structure. The quill-feed mechanism utilizes a one-piece pinion gear and shaft as well as a one-piece worm gear and shaft both providing strength, rigidity and less maintenance.

QUIET OPERATION

Low vibration infinitely variable high horsepower drive system creates the quietest head you ever used, with dynamically balanced pulleys and chrome-plated motor shaft for smooth speed changing free of noise and vibration. Available easy to read digital readout mounted to an adjustable operator station pendant.

16 SPEED STEP PULLEY	LVM0942SD3	LVM0948SD3	LVM1050SX3		
VARIABLE SPEED	LVM0942VD3	LVM0948VD3	LVM1050VX3	LVM1054VX5	LVM1258VX5
ELECTRONIC VARIABLE SPEED	LVM0942EVD3	LVM0948EVD3	LVM1050EVX3	LVM1054EVX5	LVM1258EVX5
Table Size	230x 1066mm (9"x 42")	230x 1066mm (9"x 48")	254x 1270mm (10"x 50")	254 x 1370mm (10"x 54")	254 x 1470mm (12.5"x 58")
Longitudinal Travel	750mm (29 1/2")	880mm (34 1/2")	760mm (30")	860mm (34")	965mm (38")
Cross Travel	305mm (12")		390mm (15 3/8")	400mm (15 3/4")	394mm (15 1/2")
Vertical Travel (knee)	406mm (16")		380mm (15")	470mm (18 1/2")	
Table T-slots	Quantity	3			
	size	16mm (0.63")			
Maximum Workpiece Weight	340kg (750lbs)		430kg (946lbs)	450kg (990lbs)	550kg (1210lbs)
Vertical Spindle Motor	3HP			5HP	
Spindle Speeds	60Hz	80-5520 RPM (16 SELECTIONS)			
		60-4200 RPM (VARIABLE)		60-4200 RPM (VARIABLE)	
		50-5000 RPM (VARIABLE ELECTROIC CONTROL)		50-5000 RPM (VARIABLE ELECTROIC CONTROL)	
Spindle Taper	R8			NT40	
Spindle Nose to Table	42 - 469mm (1 5/8" - 18 1/2")		40 - 420mm (1 5/8" - 16 1/2")	60 ~ 530mm (2 3/8"x 20 7/8")	
Spindle Centerline to Column Surface	71 - 476mm (2 3/4" - 18 3/4")		102 - 652mm (4" - 25 5/8")	150 ~ 700mm (5 7/8" ~ 27 1/2")	
Quill Travel	127mm (5")		127mm (5")	127mm (5")	
Automatic Vertical Feeds	0.04, 0.08, 0.14mm (0.0015", 0.003", 0.006") (per revolution of spindle)				
Head Swivel	(R & L) 90°, (F & B) 45°				
Overarm Travel	305mm (12")		550mm (21 5/8")		
Overarm Swivel	360°				