VMC-3016L  |  L-M GUIDE VERTICAL MACHINING CENTER

Bulova’s world class precision vertical machining centers designed for versatility to meet today’s demanding machining requirements at affordable pricing!

L-M GUIDE SERIES

Our precision Vertical Machining Centers are designed for high speed and accuracy. We utilize high performance components designed to minimize downtime and increase productivity.

We also use durable mehanite castings and Finite Element Analysis (FEA) for increased rigidity and vibration dampening. Each machine model has been designed with high performance and safety standards.

We offer Fanuc and Mitsubishi controls with all models to allow customers the flexibility of using two high-speed control platforms. We also offer options to increase the performance of our machine tools. High Speed Spindles, Rotary Tables, Indexers, and Probes can be added to each of our machine models.

L-M GUIDE CONSTRUCTION

• Rigid for heavy machining
• Durability for smooth part finishes and long machine life
• Three blocks on x-axis – maximum machine rigidity and table load capacity
• Extra strength and rigidity due to the internal webbing in cast iron base
• Reduced tool chatter; promotes long tool life
• Supports large table weight capacity (660 lbs.)
• Maintain quality surface finishes

MACHINE FEATURES

• Constructed with high quality cast iron and heat treated to relieve stress thereby assuring maximum rigidity and accuracy.
• Coolant through Spindle prep
• Automatic lubrication unit with intelligent pressure failure detection function provides reliable supply for saving cost and for environmental protection.
• Oil-coolant separation design, which meets the environment protection requirements, allows centralized collection for slideways oil.

VMC-3016L (standard)

X-axis Travel.............................................................. 30 inches
Y-axis Travel.............................................................. 16.92 inches
Z-axis Travel.............................................................. 18.9 inches
Spindle.................................................................12,000 RPM (15 HP)
Machine Weight ..................................................7,260 pounds

DISTRIBUTOR INFORMATION

Design and specifications are subject to change without prior notice.
HIGH PERFORMANCE TWIN ARM ATC
Bulova Technologies Machinery knows that a fast reliable tool changer can make you more competitive and lower your part cost. Our VMC 3016L machines come standard with an efficient high-speed dual twin arm type ATC with 24 tool capacity. The magazine features random, bi-directional tool selection. The twin arm ATC is also designed to keep metal chips away from the tool magazine.

LASER INSPECTION
Final laser inspection and ball bar testing ensure repeatability and positioning accuracy.

BRIGHT WORK AREA & COOLANT WASHDOWN

DIRECT DRIVE SERVO MOTOR
The direct-driven backlash free coupling is connected between the ball screws and servo motors.

SUPERIOR SCREW SUPPORT
Class C3 precision ball screws on 3 axes with class P4 precision bearings for outstanding axial rigidity. Double anchored, pretensioned ballscrews on 3 axes eliminate backlash and thermal growth due to temperature increase.

SPINDLE OIL CHILLER
All VMC spindles from Bulova Technologies Machinery are chilled to ensure long life and low heat growth. The reliable low maintenance chiller system will keep your spindle at a consistent temperature. Reducing heat in the spindle reduces thermal growth on the spindle which will help keep your machine producing accurate parts.

Heat also can cause premature spindle failure. The chiller keeps the spindle housing cooled to normal temperature. By controlling this temperature, the spindle bearings, seals, and drawbar will last longer and perform better.

HEAVY DUTY L-M GUIDeways
Extra heavy duty L-M Guideways offer long life and large table load capacity.

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