

# BEAD MILL VERTICAL BATCH TYPE

## 1. DESCRIPTION

The Chem Maco Vertical Bead Mill is a high-efficiency wet grinding machine designed for fine grinding, dispersion, and particle size reduction of pigments, fillers, and specialty chemicals. The machine utilizes a high-speed shaft fitted with grinding discs operating inside a media-filled grinding chamber. The grinding media generates intensive impact and shear forces, producing superior fineness and narrow particle size distribution. Vertical Bead Mills are widely used in paint, ink, coating, pigment, agrochemical, and specialty chemical industries where high-quality grinding performance is required.

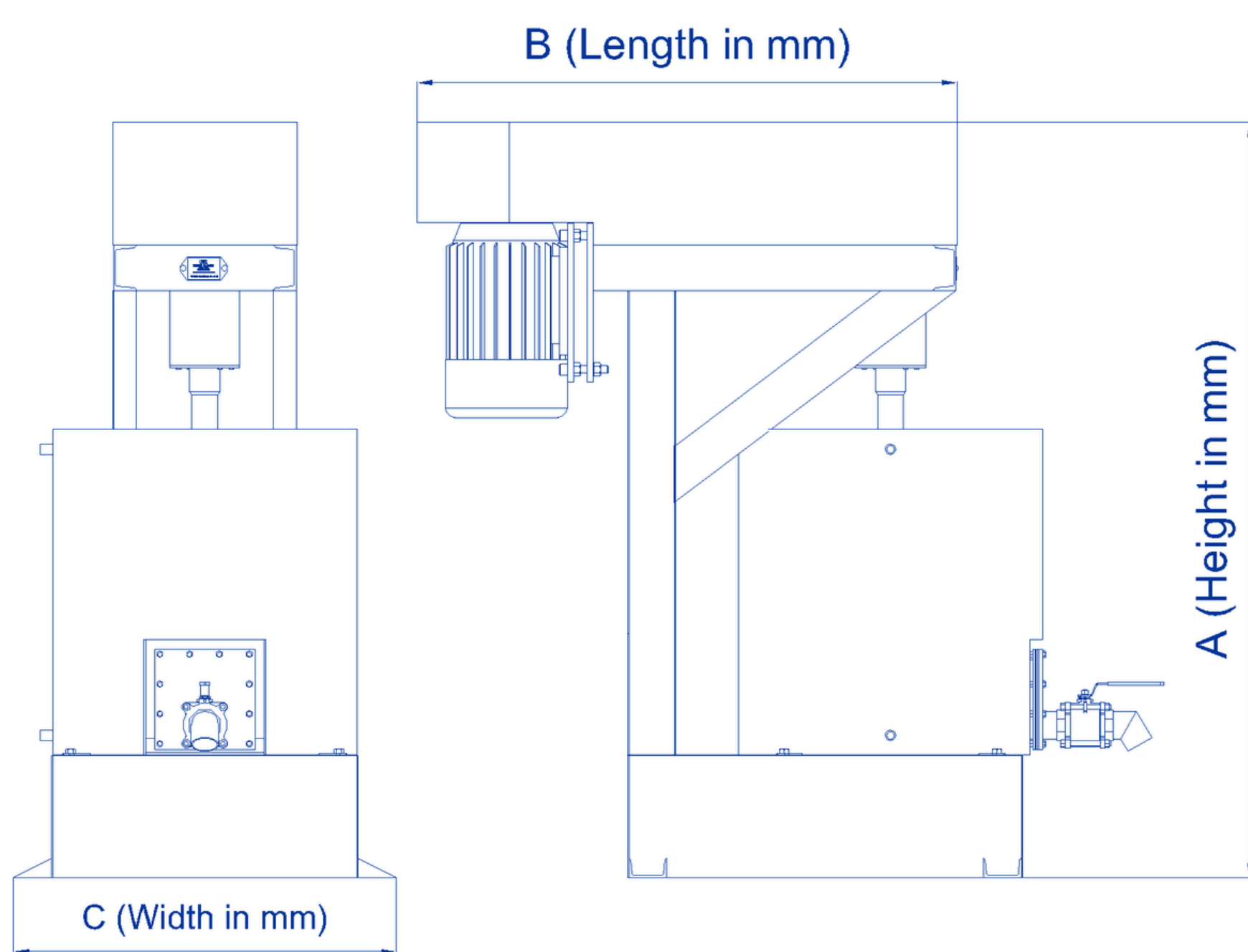


## 2. TECHNICAL SPECIFICATIONS

Specification	VBM-50	VBM-100	VBM-250
Working Capacity	50 L	100 L	250 L
Gross Vessel Capacity	92 L	205 L	525 L
Main Drive Motor	7.5 HP	15 HP	25 HP
Motor Speed	1440 RPM		
Grinding Chamber Type	Vertical		
Grinding Media	Glass / Ceramic / Zirconia Beads		
Disc Type	Disc Impeller		
Cooling Arrangement	Water Jacket		
Contact Parts	SS304 / SS316		
Construction	MS / SS		
Operation	Batch Type		
Speed Control	VFD Optional		
Control Panel	Standard / FLP Optional		
Power Supply	415V, 3Ph, 50Hz		

**Note:** All capacities are approximate and may vary depending on material viscosity, specific gravity and process conditions.

## 3. GENERAL ASSEMBLY DRAWING



## 4. DIMENSIONS (APPROX)

Model	A Height (mm)	B Length (mm)	C Breadth (mm)
VBM-50	1858	1170	772
VBM-100	1996	1558	890
VBM-250	2000	1225	900

**Note:** Dimensions are approximate and may change based on customization.

