

SAND MILL

VERTICAL CONTINUOUS TYPE

1.DESCRPTION

The Chem Maco Vertical Continuous Sand Mill is a high-performance wet grinding machine designed for continuous fine grinding and dispersion of pigments, fillers, inks, dyes, agrochemicals, and specialty chemicals. The machine operates using a vertical grinding chamber filled with grinding media where a high-speed agitator shaft generates intensive shear and impact forces. The continuous circulation process ensures consistent product quality, improved fineness, and high production efficiency. Vertical Sand Mills are widely used in paint, coating, ink, pigment, and chemical processing industries for achieving micron-level particle size reduction.



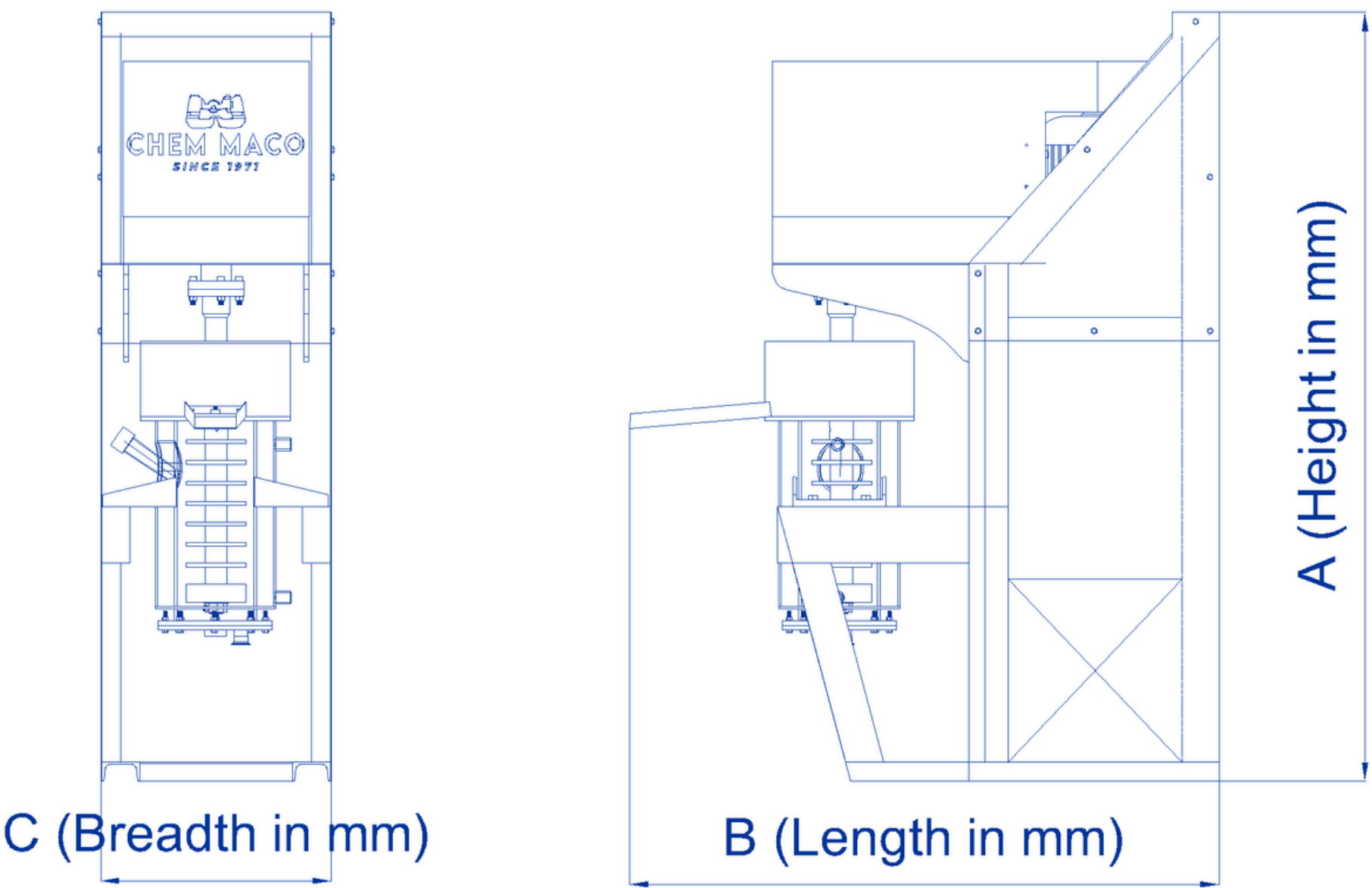
2.TECHNICAL SPECIFICATIONS

Specification	VSM-15	VSM-20	VSM-30	VSM-50
Grinding Chamber Capacity	15 L	20 L	30 L	50 L
Main Drive Motor	15 HP	20 HP	25 HP	40 HP
Motor Speed	1440 RPM			
Grinding Operation	Continuous			
Agitator Type	Multiple Milling Disc			
Grinding Media	Glass / Ceramic / Zirconia Beads			
Media Filling Ratio	65–75%			
Cooling Arrangement	Water Jacket			
Product Separator	Screen Type			
Product Flow Rate	2–3 L/min	3–5 L/min	5–8 L/min	8–12 L/min
Contact Parts	SS304 / SS316			
Construction	MS Body ; SS Contact Parts			
Speed Control	VFD Optional			
Operation	Continuous Duty			
Mounting	Floor Mounted			
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)
VSM-15	1900	900	700
VSM-20	2100	1000	800
VSM-30	2400	1200	900
VSM-50	2800	1500	1100

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