

ATTRITOR MILL VERTICAL BATCH TYPE

1. DESCRIPTION

The Chem Maco Attritor Mill is a high-efficiency wet grinding and dispersion machine designed for rapid particle size reduction, pigment dispersion, and fine grinding applications in paints, coatings, inks, agrochemicals, ceramic slurries, and specialty chemicals. The machine utilizes a vertically mounted multi-blade agitator shaft operating within a media-filled grinding chamber to generate intensive shearing and impact forces, resulting in faster grinding cycles and superior fineness compared to conventional ball mills. The jacketed vessel construction enables effective temperature control during processing, ensuring consistent product quality and reliable industrial performance. Attritor Mills are widely used for manufacturing industrial paints, decorative paints, primers, enamels, pigment concentrates, printing inks, agrochemicals, and specialty chemical products.

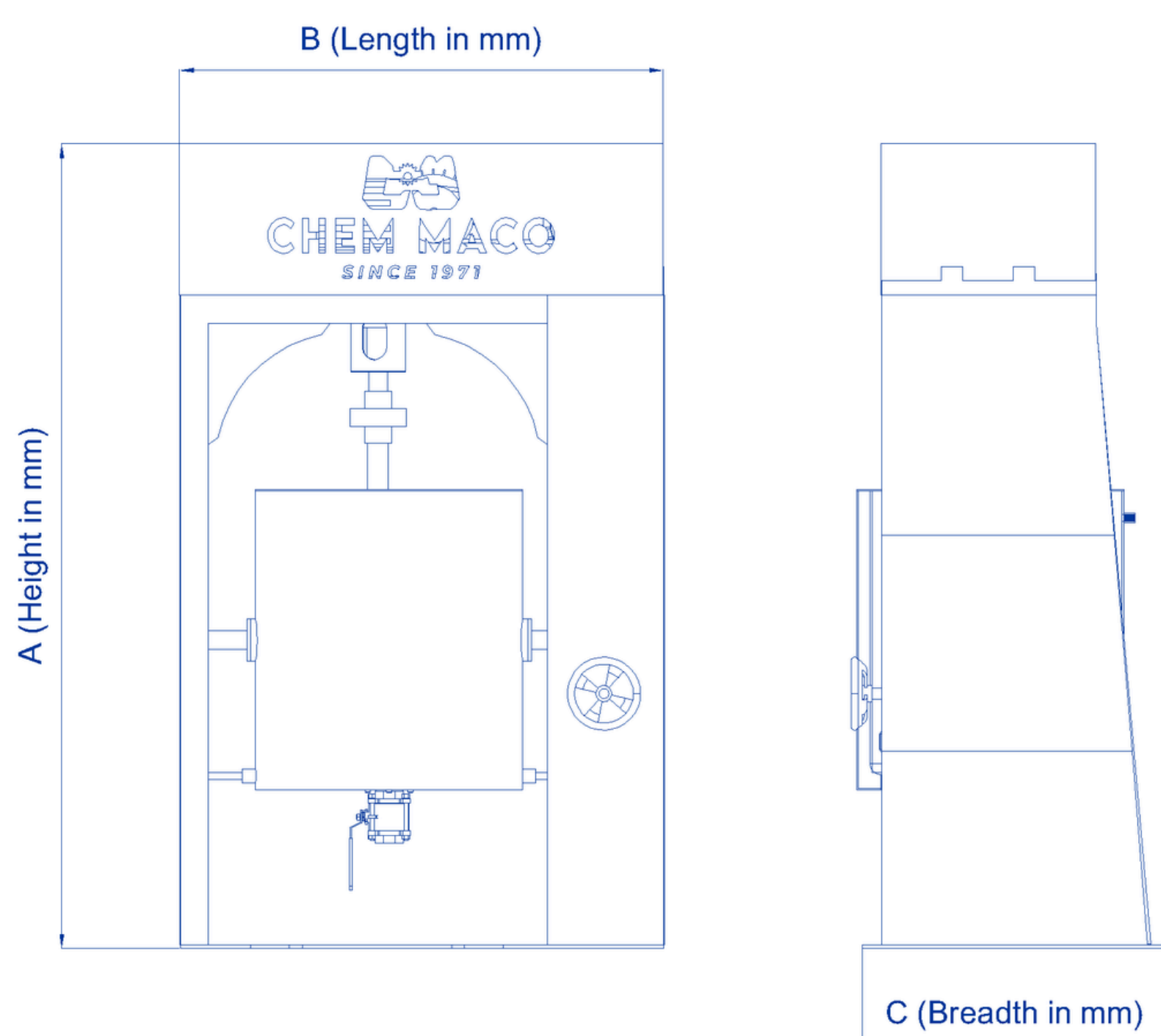


2. TECHNICAL SPECIFICATIONS

Specification	AT-100	AT-500	AT-1000
Working Capacity	100 L	250 L	500 L
Gross Vessel Capacity	210 L	550 L	1070 L
Main Drive Motor	10 HP	20 HP	40 HP
Motor Speed	1440 RPM		
Impeller Type	Multi-Blade Attritor Shaft		
No. of Impeller Blades	16 Nos.	16 Nos.	18 Nos.
Grinding Media	Steatite / Ceramic / Zirconia		
Media Filling Ratio	60-70%		
Jacketed Vessel	Standard		
Cooling Arrangement	Water Jacket		
Discharge Type	Bottom Valve		
Contact Parts	SS304 / SS316		
Construction	MS / SS Fabricated		
Speed Control	VFD Optional		
Operation	Batch Type		
Mounting	Floor Mounted (With Foundation)		
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)
AT-100	2400	1400	900
AT-250	2800	1800	1300
AT-500	3440	2122	1334

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

