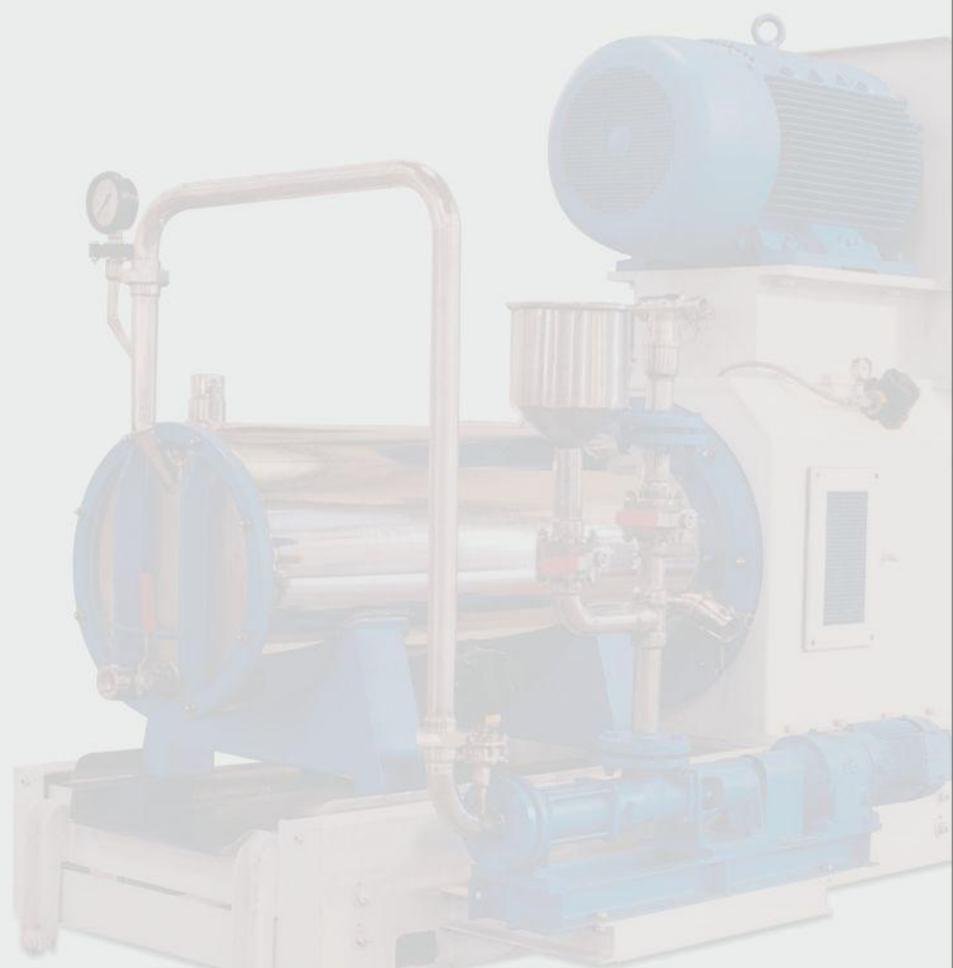




# SAND MILL

Paints, Inks & Pesticides

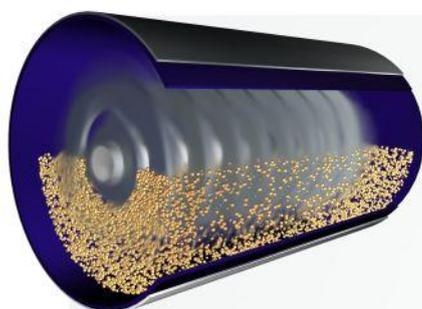
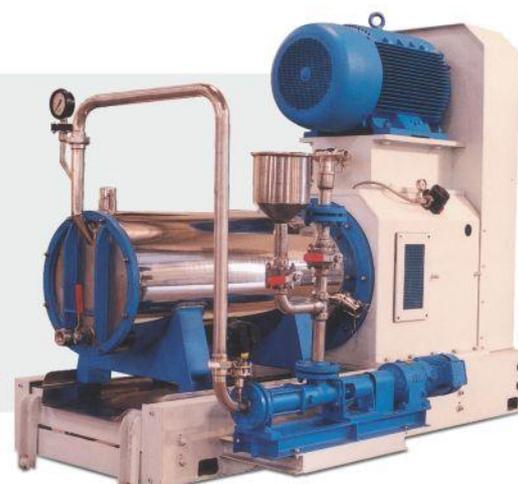


# CHEMFILT



**CHEMFILT**, founded in 1985, has established itself as the leading Indian company in the field of paints and resins technology. Our products resins and paint plants on turn-key basis and individual equipment like Sand Mills, Bead Mills, Dispersers, Attritors, Reactors, Blenders etc. Are exported throughout the world because of their world-class quality standards.

Sand Mills designed & developed by CHEMFILT has brought about revolution in microgrinding and microdispersion technology. Gone are days of using nonpressurized, vertical Sand Mills which take hours of time, great amount of manual work and high power consumption to achieve a desired finish or dispersion quality.



Our sand Mills have specially designed agitator discs which ensure very fast grinding and dispersion at comparatively lower power consumption. The wear parts are made up of special alloy steels having high abrasion resistance & corrosion protection quality which ensure longer service life.

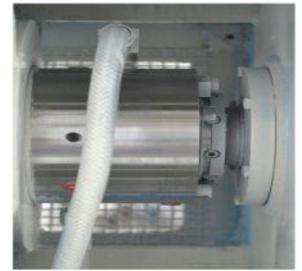
The product feed rate can be controlled with the help of a stepless infinite speed variator ensuring very low initial set-up time for a particular product being processed. The product feed temperature and pressure can be controlled with the help of special safety features which stop the grinding motor and pump motor if a set pressure or temperature is exceeded.

You can make use of our comprehensive test facility and take a trial production run at our test centre to ensure that our sand Mill is suitable for your product. We can establish various parameters like flow rates, power consumption, quality of dispersion/grinding etc. For your particular product and if need may be, modified version can be offered to suit your process needs.



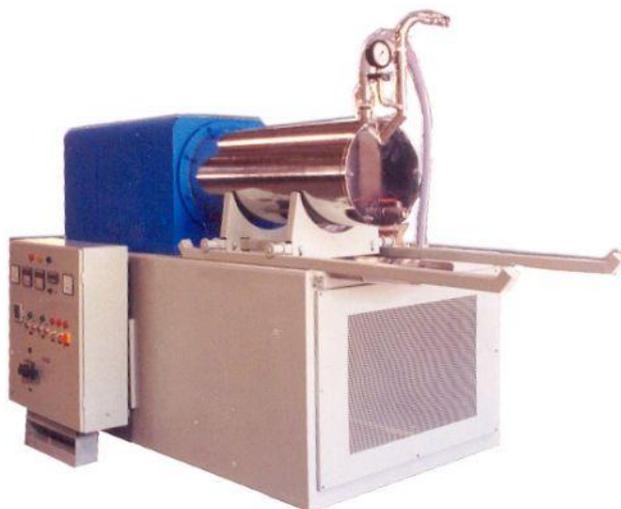
## Detailed Description

<b>Application</b>	CHEMFILT horizontal sand mill is the main equipment for producing suspension slurry of super fine particles through wet grinding and dispersion. It is widely applied to industries which require continuous grinding and dispersion of mixed suspension slurry of solid phase and liquid phase such as paint, ink, dyes, pigment, electronics, agriculture, correction fluid and cosmetics etc.
<b>Mechanical Seal</b>	CHEMFILT horizontal sand mill adopts double-end sealing mechanism and introduces pressure and cooling specific devices. It is the most complete and reliable bearing seal form all over the world, with long life cycle.
<b>Grinding Cylinder</b>	<b>1. Material:</b> A) Inner cylinder: Stainless Steel304, special wear assistant steel or composite material. B) Cooling water jacket: Steel 304 <b>2. Thickness:</b> 9.27 mm
<b>Grinding Discs</b>	<b>1. Material:</b> Ni-Hard steel, the hardness can be up to HRC55 1. Special plastic material 2. Numbers: 8 for 50 LTR 3. Thickness: 12mm for 50 LTR
<b>Grinding Medium</b>	Ceramic beads for recommendation
<b>Pump</b>	Plunger Type Pump/Gear Pump/Screw Pump
<b>Electrical control</b>	There's power-off protections for maximum operation temperature and pressure.
<b>Explosion proof devices</b>	Temperature meter, Pressure meter and Electrical control cabinet



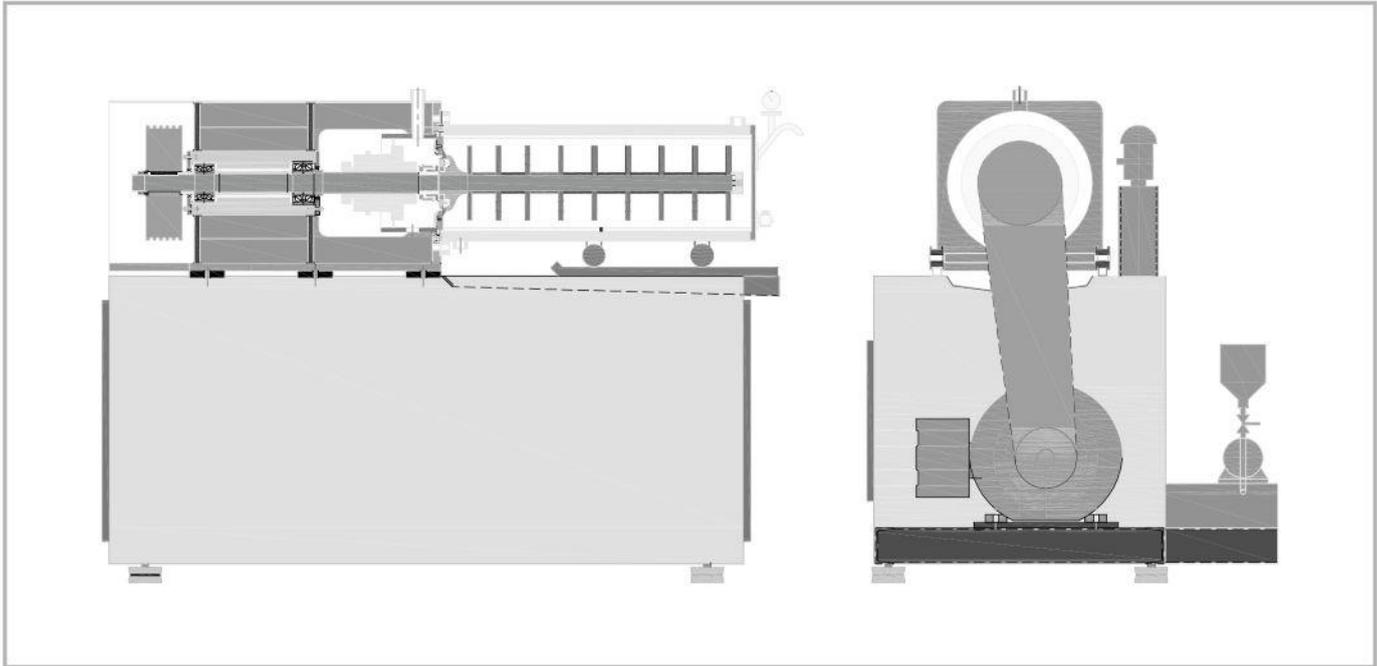
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## Sample Picture





### Technical Parameters

Model	Cylinder capacity	Principle power
CHSM4	4 Liters	3.7 KW
CHSM30	30 Liters	18.5 KW
CHSM50	50 Liters	30 KW
CHSM100	100 Liters	75 KW
CHSM200	200 Liters	100 KW



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