

Horizontal Type SAND MILL

COMPLETES ISO 9001:2000 SYSTEM CERTIFICATION



HMD-20HL



HMD-20HL Show Moving Chamber



HMD-15HL

Characteristics:

Horizontal type sand mill was designed to grind in high speed within a closed and pressure chamber to prevent the solvent from volatilization. This will ensure the operators working in healthy environment. Furthermore, save the energy to reduce the production costs..

The work flows are begun by pumping liquid raw materials into the closed chamber, followed by starting Main motor to drive the grinding medium bead to rotate in high speed, which force raw materials dwell in a very narrow space and impacted by the high speed accelerated movements and rotation of the grinding beads, After mixing, emulsification, dispersing, kneading, and rotating, the raw materials will achieve its fineness. The finished raw materials will be out through the high speed rotation tungsten steel separation gap. Horizontal type sand mills are ideal for passage and circulation process as well. The circulation process can achieve fineness under 5 μ .



Grinding Disc (Impeller)



Cooling System For Mechanical Seal

Applications:

Paints and inks, Pigments and Dyestuffs, Cosmetics, Food processing, Pharmaceuticals, Electronics materials and other medium to high viscosity liquid materials.



Gear Pump



Air Pump



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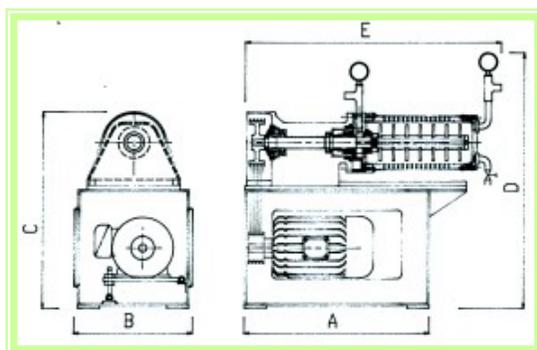
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Specification:

- ◎ **Model HL:** Uses Gear pump with reducer and inverter to adjust the pumping speed and to control the flowing capacity of grinding materials.
- ◎ **Model HAL:** Uses Air diaphragm pump. To utilize the air pressure which from air compressor to control the pumping speed of diaphragm pump, this pumping speedy rate can control the flowing speed and the flowing capacity of grinding materials.
- ◎ **Model HL 、 HAL:** Inside lining of Grinding Vessel uses abrasion-resistant and corrosion-resistant chrome steel, the hardness reach to HRC 62° . 7 pcs of disc (impeller) uses abrasion-resistant and corrosion-resistant SKD 11 alloy steel, the hardness reach to HRC 65° . The viscosity is available under 10000 cps. The grinding medium is available for Quartz-glass bead, Zirconia bead, Chrome steel bead.
- ◎ **Model HS 、 HAS:** Inside lining of Grinding Vessel uses abrasion-resistant and corrosion-resistant SKH high speed steel, the hardness reach to HRC 70° . 7 pcs of disc (impeller) uses abrasion-resistant and corrosion-resistant SKH high speed steel. The hardness reach to HRC 70° . The viscosity is available under 100000 cps. The grinding medium is available for Quartz-glass bead, Chrome steel bead, Si - zirconia bead, Al- zirconia bead, Titania bead, Ceramic bead. If uses the higher hardness and heavy gravity of beads, can short 50% of grinding time.
- ◎ **Model SL 、 SAL:** Materials of inside lining , disc (impeller) uses the same materials as HS/HAS, the difference is HL/HAL types use network of slim gaps to expand three time of out flowing rate. This will let the high viscosity of materials more easy to flow out. The available viscosity is 20000 cps. It is also available for more hardness and heavy gravity of beads.



MODEL With Gear Pump	MODEL With Air Pump	Chamber Volume	Motor (HP/KW)	Speed M/sec	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (KG)
HMD-15HL	HMD-15HAL	15 Liter	20/15	12	850	600	960	1200	1150	600
HMD-20HL/HS/SL	HMD-20HAL/HAS/SAL	20 Liter	25/18.5	12	1000	650	1000	1300	1300	750
HMD-30HL/HS/SL	HMD-30HAL/HAS/SAL	30 Liter	30/22.5	10	1000	650	1050	1350	1400	800
HMD-50HL/HS/SL	HMD-50HAL/HAS/SAL	50 Liter	50/37.5	8	1200	750	1250	1500	1500	1000
HMD-75HL/HS/SL	HMD-75HAL/HAS/SAL	75 Liter	75/56	8	1300	750	1300	1550	1600	1200



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