

Three Roll Mills

Dispersing, Refining, Mixing, Blending,
Particle Size Reduction, Homogenizing

A three roll mill is a machine tool that uses the shear force created by three horizontally positioned rolls rotating at opposite directions and different speeds relative to each other to mix, refine, disperse, or homogenize viscous materials fed into it. Torrey Hills three roll mill design is unsurpassed for safety, product consistency, easy-operation, cost-efficiency, and long-term value. The operating system allows the operator to set the desired gap manually and negative pressure assures consistent gap distance. All machines are optimized for efficiency and allow significantly less amounts of residue from previous processed material on the surface of the rolls.

APPLICATIONS

- Electronic Thick Film Inks
- Coatings
- Silicone
- Glass
- High Performance Ceramics
- Adhesives
- Paints
- Dental Composites
- Plastic Polymers
- Plasticsols
- Printing inks
- Pigment
- Plastic Compounds
- Carbon/Graphite
- Pharmaceuticals
- Sealants
- Cosmetics
- Resins
- Chemicals
- Chocolates

SPECIFICATIONS

Models		2.5x5	6x12
Roller Diameter		2.5"/65mm	6"/155mm
Roller Effective Surface Length		5"/127mm	12"/305mm
Roller Rotating Speed (rpm)	Slow Roller	31	40
	Middle Roller	84	94
	Fast Roller	174	217
Motor Power (KW/HP)		0.75/1	3/4
Overall Dimension		18"x13"x15"	33"x33"x35"
Total Weight (lb)		165	1100
Process Rate	Gallons per Hour	0.25-1.25	1.8-8.8
	Pounds per Hour	1-5	9-44

OPTIONS

Options	2.5x5	6x12
20mm Thick Minimum NiCr Stainless Steel Rollers		√
Premium US TimKen Bearings		√
Explosion Proof		√
Stainless Steel Receiving Apron		√
Stainless Steel Top		√
All 304 Stainless Steel Structure	√	√
Adjustable Speed	√	√
Cooling Tank Options	√	√
Auto Loading Option		



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