

T65 Three Roll Mill

Introduction

Our recently redesigned 2.5"x5" three roll mill lab model has demonstrated powerful performance with its state-of-the-art control, streamlined design and modern all stainless steel structure. In a compact size, this three roll mill is the ideal tool for laboratories and small-volume production in the mixing of electronic thick film inks, high performance ceramics, cosmetics, paints, printing inks, adhesives, epoxy, sealants, pharmaceuticals and many other viscous materials.

This three roll mill lab model offers faster roller speeds and higher throughput up to 3.75 gallons or 30 pounds per hour. The fast roller runs at 432 RPM. Variable frequency drive allows stepless speed control and slow speed runs. Roller spacing and adjustment are set manually with quick engagement mechanism by the use of four small hand wheels. Safety trip limit switch (in the form of a pull cord), emergency stop button, slow-speed washup mode capability and nip guard make this three roll mill very safe to operate. Other advantages include self-lubricating gears and Teflon end plates.



Safety Features

- Large mushroom style emergency stop button
- Emergency pull cord
- VFD enabled wash-up operation mode
- Nip guard (optional)

Premium Features

- Rollers are precision ground 420J2 stainless steel to prevent rust or erosion. The hardness is rated at HR50-60 for reliable long-life usage.
- Rolls are cored for either cooling for heating. Manifold, valve, and collection tank are standard.
- Rollers are ground to 5µm concentricity and 0.5µm surface finish for precise applications
- Higher throughput than most competitors' models
- Variable speed control allows adjustable/slower speed runs
- Emergency pull cord on top of the machine as an extra safety feature
- Roller spacing and adjustment are set manually with quick engagement mechanism by the use of four small hand wheels.
- Gap spacing remains consistent throughout operation
- Stainless steel receiving apron
- Easily adjustable Teflon end plates
- Unit includes a free standing base allowing easy mobility
- Easily accessible stop and start buttons

Ceramic Rollers Available as an Option

TECHNICAL PARAMETERS

Parameter	T65 Three Roll Mill	
Roller Material	Stainless Steel / Ceramic (Alumina)	
Diameter of Roller	2.5" (65mm)	
Length of Roller	5.0" (127mm)	
Roller Speed Ratio (Fixed)	1:2:4	
Speed of Roller RPM	Slow Roller	0~108
	Middle Roller	0~216
	Fast Roller	0~432
Power	3/4HP / .55kW	
Net Weight	165 lbs (75kg)	
Throughput	0.75-3.75 G/Hr or 6-30 LBS / Hr	
Noise Level	25"x11"x15" (635mmx280mmx381mm)	