



# TORREY MILLS

THREE ROLL MILLS

By MXD Process

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**Excellent mills,  
exceptional price.**

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PRODUCT BROCHURE

[MXDPROCESS.COM](http://MXDPROCESS.COM)



# Here to help, from beginning to end.

We founded MXD Process on the belief that helping companies better serve their customers can change the world. We believe we make the world a little better when we help customers produce higher-quality products at a better price while consuming fewer resources. To bring this reality to life, we strive to be the most helpful company in the process engineering and equipment industry.

We do this by starting with a simple question, "What are you trying to make?" We dig into your process design and production methods to deeply understand your needs. We apply our process expertise to customize a solution to solve your challenge, not sell what products we have on the shelf. Our teams support you through installation and ramp-up so you can better serve your consumers.

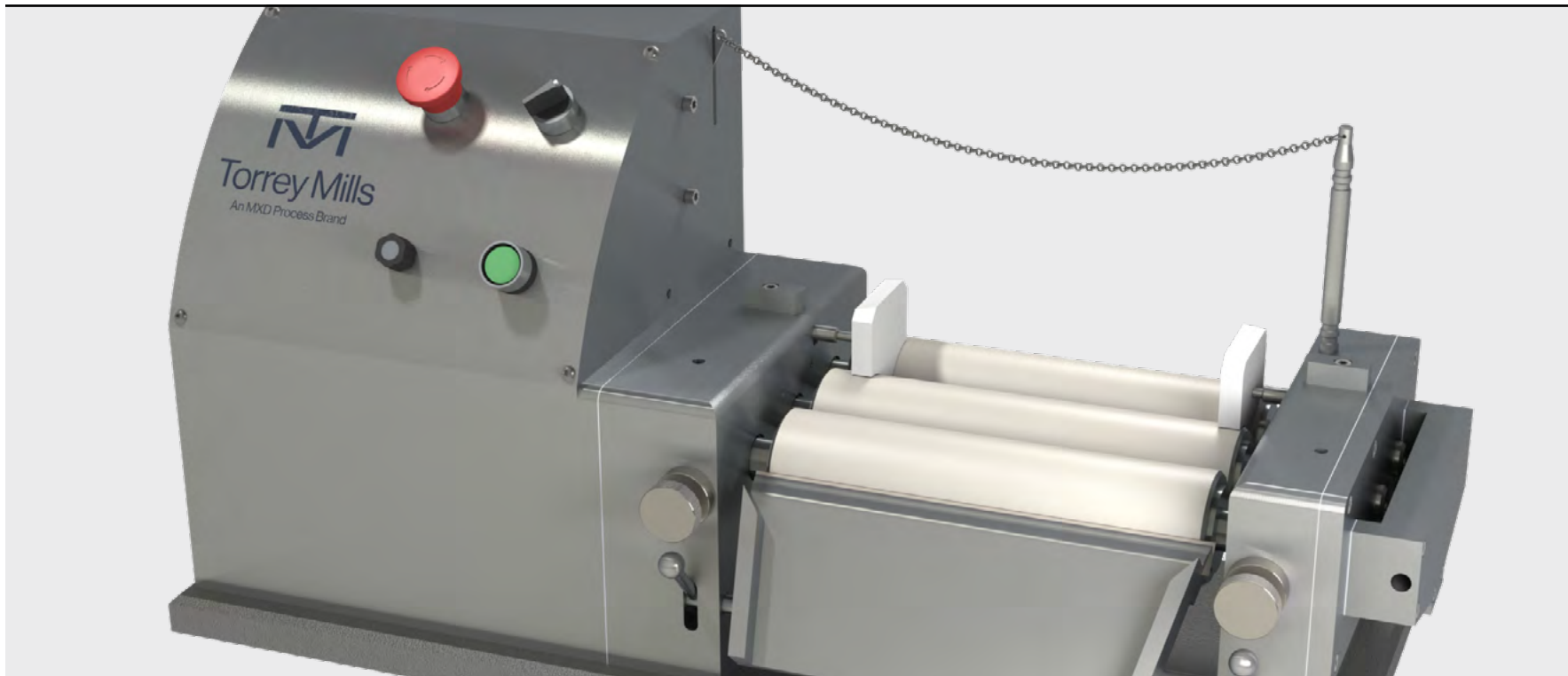
Our broad range of process tanks, mixers, controls, mills, and accessories are designed in-house to meet your needs. Let's connect and work together to improve your process and make the world a little better every day.

## MXD Process Products



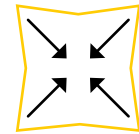
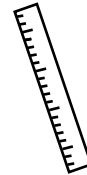
# When only the finest will do.

Our three roll mills were designed with a single goal in mind: turning a tough, elbow-grease job into a piece of cake. But don't think for a minute that "simple" means we skimped on the good stuff. Quality and versatility? Check and double-check. Whether you're working with runny creams or the stickiest of pastes, our mills have got you covered. And the cherry on top? Their straightforward design makes them a breeze to clean up. So, you can spend less time scrubbing and more time creating the next big thing.



# Dispersed to perfection.

Torrey Mills are top-of-the-line dispersion tools for viscous small batch products. All models have fast material processing time and highly adjustable rollers to achieve a perfectly dispersed product. Commonly used to create ultra-fine dispersions, homogenization, particle size reductions, and de-aerations for materials 200-2mil. cps viscosity.



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## Alumina & Stainless Steel Rollers

Precise 99.5% Alumina rollers ground to 5µm concentricity and 0.5µm surface finish instantly transforms gritty materials into uniform, smooth, visually appealing and effective products.

Stainless steel rollers are precision ground 420J2 stainless steel to prevent rust or erosion. The hardness is rated at HR50-60 for reliable long-life usage.

## Precise Roller Adjustment

Roller spacing is easily and conveniently set by 2 knobs with 9 positional markings on all units. Additional extra fine adjustment mechanism for roller calibration to 1 micron roller gap.

## Reduced Waste

Compared to other mills on the market, our three roll mills are optimized to reduce product loss during operation. The total product loss could be as little as 1.5g out of 100g in practice.

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# TM50 Three Roll Mill

The TM50 mill features top-in-class grinding results, a user friendly interface, advanced fine adjustment mechanisms, and fast processing of material.

A favorite tool for homogenizing and dispersing topical creams and ointments.

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## Key Features

- Ceramic and stainless steel roller options.
  - Small footprint for bench-top applications.
  - High speed rollers allow for ultra-fast material processing.
  - Full stainless steel enclosure.
  - 2" Roller Diameter
  - 7" Roller Length
  - Up to 4.2 gal/hr. throughput
  - 13.5" x 8.5" x 9" Overall Dimension
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### Roller RPMs

Slow Roller	0-219
Middle Roller	0-394
Fast Roller	0-723

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# The Finest Dispersions. Period.

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## TM65 Three Roll Mills

With upgraded safety and operational features, the TM65 models provide increased versatility in processing capabilities without compromising on dispersion results. Ideal for use in small batch processing or laboratory settings up to full production scale.

### For a wide use of applications

Electronic thick film inks | High performance ceramics | Cosmetics | Paints & Coatings | Adhesives | Epoxy & Resin | Sealants | Pharmaceuticals

### Key Features

- Emergency stop button and safety pull chain.
- Cored rollers to allow for heating or cooling fluids.
- Variable frequency drive allowing for slow, step-less operating speeds.
- Ceramic and stainless steel roller options.
- Full stainless steel enclosure.
- Fine roller adjustment down to 1 micron.



## TM65

- 2.5" Roller Diameter
- 5" Roller Length
- Up to 3.6 gal./hr.
- 26"x11"x15" Overall Dimensions

### Roller RPMs

Slow Roller	0-108
Middle Roller	0-216
Fast Roller	0-432



## TM65B

- 2.5" Roller Diameter
- 10" Roller Length
- Up to 7.5 gal./hr.
- 30"x11"x15" Overall Dimensions

### Roller RPMs

Slow Roller	0-108
Middle Roller	0-216
Fast Roller	0-432



## TM65SL

- 2.5" Roller Diameter
- 20" Roller Length
- Up to 14.4 gal./hr.
- 40"x11"x15" Overall Dimensions

### Roller RPMs

Slow Roller	0-108
Middle Roller	0-216
Fast Roller	0-432



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