



The Original

Three Roll Mill

Ross Three Roll Mill

THE WORLDWIDE STANDARD FOR DESIGN AND INNOVATION

When Ross produced the first Three Roll Mill more than 80 years ago, we revolutionized pigment dispersion — with superior consistency and finer dispersion than ever before. **Today the original Ross Three Roll**

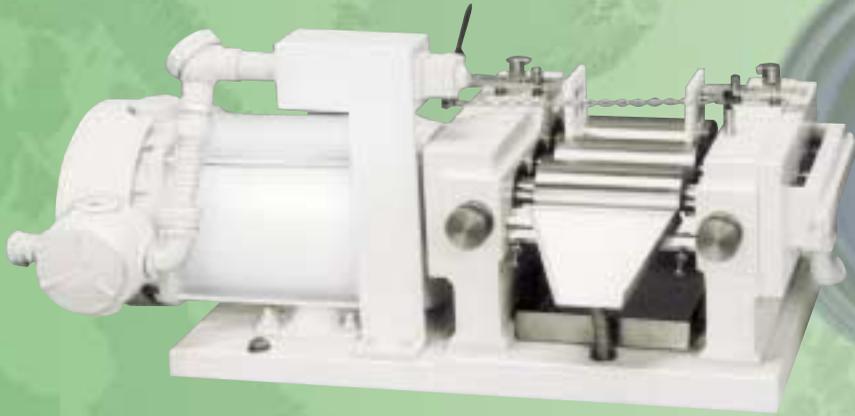
Mills are still the standard by which all others are measured —
in applications as diverse as magnetic coatings,

cosmetics, paints, inks and high performance ceramics.

Our highly-evolved design is unsurpassed for safety, product consistency, easy operation and long-term value. Ross offers a complete selection of Three Roll Mills designed for laboratory applications through full-scale production. Units are available in a variety of sizes, with a broad choice of options. Ross Three Roll Mills can often be shipped directly from stock.



Built To A Higher Standard



Model 52M-2½x5" – is a very popular model for benchtop development and small volume production. This mill is driven by a 1/2 hp explosion proof single phase motor and is available with a variable speed drive option.

Our Models 52F-4x8" and 5x12" – are perfect for laboratory, pilot plant, or low volume production requirements. Hardened, precision ground rolls are cored for uniform cooling. Standard handwheel controls feature a quick release/reset mechanism for easy operation and accurate repeatability. The 4x8 model is also available in a bench top model.



The Model 52TC-9x24" – is the workhorse designed for higher volume production operations. The hardened, precision ground rolls are cored for uniform cooling. This mill is built with longevity in mind and can be supplied with many optional features such as single point hydraulic roll setting controls, rotary pressure joints for forced heating or cooling of the rolls. Complete electrical control systems are also available.



Ross is the world's leading manufacturer of custom equipment for mixing, blending and dispersion. With five plants in the USA alone, our engineering and manufacturing resources enable us to build equipment that offers you superior accuracy, reliability and long-term support. Ross supports every Three Roll Mill with an extensive inventory of spare parts, and with expert field service.

CHOOSE THE RIGHT OPTIONS FOR YOUR APPLICATION

- Teflon® or bronze end plates
- Hydraulic roll pressure monitoring devices
- Stainless steel apron and drip pan
- A choice of hardened steel, stainless steel or special hard surfaced rolls
- Single or variable speed control systems
- Rotary pressure joints for forced heating or cooling
- Explosion-proof control enclosures
- Safety options include electronic braking or perimeter trip wires

REBUILDING SERVICES AVAILABLE

We at Ross are committed to assisting our clients for the long term continuous operation of the mills to meet their production needs. We have field service personnel available to provide routine service for your mills in your own plant. We offer complete rebuilds of your mill at our plant. Our complete rebuilds provide to you an OEM warranty equivalent to that provided with a new mill purchase. Further information is available through our parts and service department which can be accessed through our website at www.mixers.com.



TEST OR RENT BEFORE YOU BUY



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TYPICAL APPLICATIONS

- Electronic thick film inks
- High performance ceramics
- Cosmetics
- Plastisols
- Carbon/graphite dispersions
- Magnetic dispersions
- Paints/printing Inks
- Pharmaceutical ointments
- Glass coatings
- Dental composites

CUSTOMER TEST CENTER

Before you buy a Three Roll Mill, take advantage of our Test and Development Center to run your ingredients on a Ross Mill to simulate actual conditions on your own process line.

Learn more about the Ross Three Roll Mills and all the other equipment Ross offers – by visiting our website: www.mixers.com