



Prep-Mill®

Laboratory Two-Roll Mill



... where quality is measured.

Prep-Mill® Two-Roll Mill

The Prep-Mill® is what a mill should be:

- rugged
- safe
- precision manufactured

The **C.W. Brabender®** Laboratory Electrically Heated Prep-Mill® is a universal, heavy-duty machine designed for small-scale milling of elastomeric and thermo-plastic materials. The Two Roll Mill combines the features of precision construction, reliability and serviceability into a mobile and compact milling station, ensuring uniform batch-to-batch mixing characteristics.

The Electrically Heated Prep-Mill® is designed to operate at temperatures up to 260°C, with an accuracy of ± 1°C.

Various standard safety features provide the operator with exceptional protection. To fulfill the special torque, speed and safety requirements, **C.W. Brabender®** offers the Prep-Mill® with its own drive - as a self-contained Mobile Mill Station.



THE DRIVE

A heavy-duty high torque system- the Prep-Mill® drive is designed to provide high torque output from a 2.5 HP sensorless vector drive with built-in torque overload protection. Monitored by a digital DC amp meter with torque overload indicator, including a digital RPM indicator - variable roll speed of 0-30 RPM. Includes safety guard over the rolls and dial gauges to determine roll gap setting.

In addition to the operator trip bar over the mill rolls, 2 operator 'kick plates' will also stop the drive when actuated. The 'kick plates' are permanently mounted on both sides of the mill. Also an 'emergency stop' button on top of the unit.

The entire drive is mounted on a heavy gauge mobile cart. The cart includes a cabinet with a drawer for storage of tools and accessories.



C.W. Brabender® laboratory

C.W. Brabender® support

A modern applications laboratory is available for all customers and interested parties for trials with their own materials. All **C.W. Brabender®** measuring systems can be tested under ideal conditions. An experienced expert team will assist all tests.

Together we will find the optimal solution to meet your testing needs.

FEATURES:

The Electrically Heated Prep-Mill® utilizes transfer rolls coated with Acrotherm TK400 (RC 70), an extremely durable coating that substantially extends the life of the roll while providing top quality mirror finish and tolerances- suited for High Wear Resistance.

- Electrically Heated 4"x8" Acrotherm TK400 rolls polished to a mirror finish
- Individual temperature controllers to control roll temperature
- Adjustable gap from .005" to .195"
- Standard friction ratio of 1.3:1 or 1:1 for Calendering
- Safety trip bar and operator kick plates with coupled electrical interlock
- "Flip-up" design for easy cleaning
- Brass stripping knife permits quick, clean removal of milled stock
- Mixing volume of approximately 250ml, depending on gap setting and bandwidth
- Contoured roll guides prevent material from 'creeping off' the rolls and into the bushings

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