



The World Famous Eiger Torrance Mini Mill is the Number One choice when it comes to fast, efficient laboratory grinding or dispersion.

The directly driven mill is designed for ease of use and maximum performance. A large choice of configurations mean that whatever your needs, the Mini Mill will meet them.

The Mini Mill operates with grinding media as small as 0.4mm and will produce ultra fine dispersions in minutes. Its unique design eliminates the need for costly pumps, mechanical seals and difficult to clean pipe-work. Instead, a simple and low cost lip seal arrangement is all that is required to separate the pumping chamber from the main drive motor.

For more demanding or highly viscous products, a mechanical seal is available as an optional extra.

A pre-dispersion screw takes the product from the funnel and adds primary shear to the material. It is then presented to the self contained pumping chamber which pushes the product into the grinding chamber where the high energy agitator accelerates the grinding media ensuring maximum shear forces are imparted into the material.

A simple bead retaining screen has a high surface area ratio when compared to the grinding chamber and this, combined with the high tip speed of the agitator, allows for high throughput recirculation of the product ensuring the finest dispersion and narrow particle size distribution.

Product is cooled (or heated) in both the pre-dispersion chamber and the main grinding chamber. In addition some models are also available with a cooled (or heated) end plate assembly.



Available Sizes and Optional Extras

Chamber Volumes

- 25/50/100/250/750ml

Contact Materials

- PU
- Ytria stabilised zirconia
- Polypropylene
- PEEK
- Tool steel

Electrical

- Flameproof and non-flameproof construction

- Digital display
 - RPM
 - Power
 - Temperature

- Full data acquisition system
 - Log all product parameters to excel spreadsheet
 - Kw/hrs
 - Tip speed
 - Product temperature
 - Run time
 - Amps

Alternate Construction

- Cartridge type mechanical seal for difficult or high viscosity products
- Pump adapter kit allowing air diaphragm or peristaltic pump to be fitted in place of internal pumping system

Demonstration
Units available
for on-site testing.
Please contact:
demo@eiger-torrance.com

5 Easy Steps To Disassemble Your Mini Motormill For Cleaning

The Mini Mill has been designed to minimise downtime and maximise performance. It takes just 60 seconds to complete all 5 steps.

