

CELL MILL

Simultaneous Flash Drying and Fine Grinding in One Continuous System

High-intensity impact milling with integrated thermal drying for efficient moisture removal and particle size control



FINE PARTICLE SIZES

Delivers mean particle sizes under 20 microns.



INTEGRATED CLASSIFICATION

Can be configured with a dynamic classifier for tight top-size control.



VARIABLE SPEED CONTROL

Mill speed control via a frequency inverter optimizes product quality and helps limit starting current.



AIR-SWEPT MILL & FLASH DRYER

Versatile design; in some cases, it can be fed directly with slurry to produce a dry, fine powder.



WIDE RANGE OF MATERIALS

Handles materials from minerals and chemicals to dyes, pigments, and food products.



MEAN PARTICLE SIZES
UNDER

20 microns

MILLING CAPACITY
50 KG/H TO

15,000 kg/h

DRYING CAPACITY
EVAPORATION RATES UP TO:

3,000 kg/h



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The Cell Mill combines flash drying and high-energy milling to reduce capital cost, footprint, and complexity.

Special Features

- ✓ Rotors and liner rings are removed from the mill as complete units.
- ✓ Rotating elements use drive pins instead of keyways, giving easier locations.
- ✓ Rotors and liners can be pre-built outside the mill, minimizing downtime.
- ✓ No adjustments are required during normal operation.

Feed Options

- Solid products are fed into the airstream or the sides of the Cell Mill.
- A wide-throat pump feeds slurries through specially designed nozzles.
- Coating and surface modification can be applied during milling by metering at the appropriate rate. More than one coating agent can be applied simultaneously if required.

Process Flow (Typical)

