

Freezer/Mill[®]

- Maintenance-free design with only one moving part
- Equipped with liquid nitrogen level sensor, insulated case and lid safety interlock switch for operator protection. Liquid nitrogen required for operation
- Grinds samples in the 0.1 gram to 200 gram range
- Each grinding chamber holds one large grinding vial, one mid-size vial, four standard grinding vials, or four microvial sets



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Freezer/Mill®

Cryogenic Grinders

Some samples are impossible to grind at ambient temperatures. The Freezer/Mill is a programmable cryogenic grinder specifically designed for milling and grinding of tough or temperature sensitive samples. Samples are placed in sealed cryogenic grinding vials then immersed in liquid nitrogen (LN). The samples are cooled to cryogenic temperatures then ground by a magnetically shuttling impactor.

Since the vials are sealed, the cryogenic grinder maintains the integrity of its contents. Volatile compounds are retained, hazardous or critical samples are easily controlled, clean-up is simplified, and cross-sample contamination is eliminated.

Typical applications: DNA/RNA extraction, forensic/drug testing, RoHS/WEEE, consumer product testing, food safety, materials research, and medical research.

Typical samples: animal tissue, plastic and polymers, yeast cultures, pharmaceuticals, tough or sticky food products, electronic components, textiles, hair, teeth, bones, plant tissue, cannabis, and packaging.

Before & After Samples

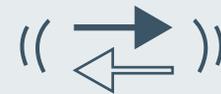
Bottle Caps



Intuitive color LCD touch screen controller.



Magnetic grinding mechanism; no mechanical moving parts.



Designed for vigorous horizontal milling.



Continuous cooling with liquid nitrogen sample vial immersion.

Specifications

6875D Freezer/Mill®

Large, cryogenic mill with dual grinding and cooling chambers. It can grind and cool up to 200 g of samples (0.5 to 100 g per chamber). Each grinding chamber holds one large grinding vial, one mid-sized vial, four small grinding vials, or four microvial sets each. Comes equipped with LN auto-fill.

Voltage	115 V/60 Hz or 230 V/50 Hz
Dimensions	20 in (50.8 cm) x 21.5 in (54.6 cm) x 25.5 in (64.8 cm)
Net Weight	78 lb (35.4 kg)

6875 Freezer/Mill®

High-capacity cryogenic mill that accommodates up to 100 g of samples. It has one dual-purpose chamber that precools and grinds samples. Its grinding chamber holds one large grinding vial, one mid-sized vial, four small grinding vials, or four microvial sets. The 6875 is available with manual Liquid Nitrogen (LN) fill or with LN auto-fill (6875A).

Voltage	115 V/60 Hz or 230 V/50 Hz
Dimensions	20.5 in (52 cm) x 21.5 in (55 cm) x 18 in (46 cm)
Net Weight	44 lb (20 kg)

6775 Freezer/Mill®

Compact cryogenic mill that accommodates samples from 0.1 to 5 g. It has one dual purpose chamber that precools and grinds samples, and a separate grinding chamber to increase throughput. It can hold one small grinding vial, or one microvial set.

Voltage	115 V/60 Hz or 230 V/50 Hz
Dimensions	19 in (48 cm) x 10.5 in (27 cm) x 12.75 in (32 cm)
Net Weight	18.9 lb (8.6 kg)



6875D Freezer/Mill®
Dual-Chamber Cryogenic Grinder



6875 Freezer/Mill®
High-Capacity Cryogenic Grinder



6775 Freezer/Mill®
Cryogenic Grinder

Ordering Information

EQUIPMENT

Product Name	Part Number
6875D Freezer/Mill, Dual-Chamber Cryogenic Grinder, 115 V	6875D-115
6875D Freezer/Mill, Dual-Chamber Cryogenic Grinder, 230 V	6875D-230
6875 Freezer/Mill, High-Capacity Cryogenic Grinder, 115 V	6875-115
6875 Freezer/Mill, High-Capacity Cryogenic Grinder, 230 V	6875-230
6875A Freezer/Mill, High-Capacity Cryogenic Grinder With Auto-Fill, 115 V	6875A-115
6875A Freezer/Mill, High-Capacity Cryogenic Grinder With Auto-Fill, 230 V	6875A-230
6775 Freezer/Mill, Compact Cryogenic Grinder, 115 V	6775-115
6775 Freezer/Mill, Compact Cryogenic Grinder, 230 V	6775-230

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