



Cole-Parmer CG-900 Cryo-Blade™ Cryogenic Grinder

Breakthrough, hands free processing from bulk to analytical preparation in 15 minutes or less

- High-throughput processing of up to 1 kg of sample per run
- Execute a cycle in 15 minutes or less
- Capability to use liquid nitrogen or dry ice to process your sample
- Automated dispensing of liquid nitrogen eliminates the handling and manipulation of liquid nitrogen (patent pending)



CG-900 Cryo-Blade™ Cryogenic Grinder

More Sample, Less Time, Same Yield

The Cryo-Blade is an ultra high-capacity cryogenic grinder for sample preparation and processing of up to 1 kg of sample. The Cryo-Blade automatically dispenses liquid nitrogen to allow the sample to reach cryogenic temperatures and then activates a grinding phase to pulverize samples, resulting in repeatable and reproducible sample comminution. No liquid nitrogen handling required.

When liquid nitrogen is not desired or available, the unit can be used with dry ice to achieve desired results.

Automatic and protocol modes available. In automatic mode, parameters are set based on the volume of the sample. Protocol mode allows users to save up to 10 protocols. Cryo-Blade can accommodate samples up to 1 kg per run. Cycle can be executed in 15 minutes when using liquid nitrogen, or 30 minutes when using dry ice. The intuitive interface includes 12 languages.

The insulated outer bowl, mechanical locking lever, and sensors provide the user with a safe, consistent, and reliable sample each use. The removable 5 L inner bowl can accommodate samples up to 1 kg and allows samples to be stored in the freezer, giving the user the option of using a second bowl to prepare a new batch. The outer bowl is insulated to allow safe touch at all times, although it is recommended to use protective gloves.

Typical applications: analysis of organic pollutants in food products (pesticide residues), QuEChERS

Typical samples: fruits, vegetables, seeds, stalks, roots, fungi, flowers



CG-900 Cryo-Blade™

Before & After Samples

Watermelon



Corn



CG-900 Cryo-Blade™ Cryogenic Grinder

Specifications

Max Grinding Speed	3600 rpm
Mixing Speed	180 rpm
Maximum LN Flow	5 L/min
Sample Volume	1 kg
Interface	12 languages
Voltage	115 V/20 A or 230 V/10 A
Dimensions (L x W x H)	91.4 cm (36 in) x 68.6 cm (27 in) x 101.6 cm (40 in)
Net Weight	99.8 kg (220 lb)
Warranty	3 Years
What's Included	Cryo-Blade unit, insulated outer bowl, inner bowl, cryogenic processor lid with blade, USB memory stick, and instruction manual

Ordering Information – Equipment

Description	Electrical	Item Number
Cryo-Blade Cryogenic Grinder	115 V	61211-71
Cryo-Blade Cryogenic Grinder	230 V	61211-72

Ordering Information – Accessory

Description	Item Number
Cryogenic Processor Inner Bowl, 5 L	61211-70
Cryogenic Processor Blade	61211-69



Cryogenic Processor
Inner Bowl, 5 L



Cryogenic Processor Blade

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