

# Bead Ruptor 96

WELL PLATE HOMOGENIZER



*Versatility realized  
Throughput enabled.*



**OMNI**  
International  
The Homogenizer Company®

# Bead Ruptor 96

## Specifications

**Compatibility:** Cryogenic milling, well plate processing, bead milling in micro centrifuge and screw cap tubes.

**Accessories:** Sealed stainless steel jars, SBS format well plate and micro centrifuge/screw cap tube holders.

**Processing Range:** 25 µL to 50 mL

**Performance Range:** 1 – 30 Hz with digital controls

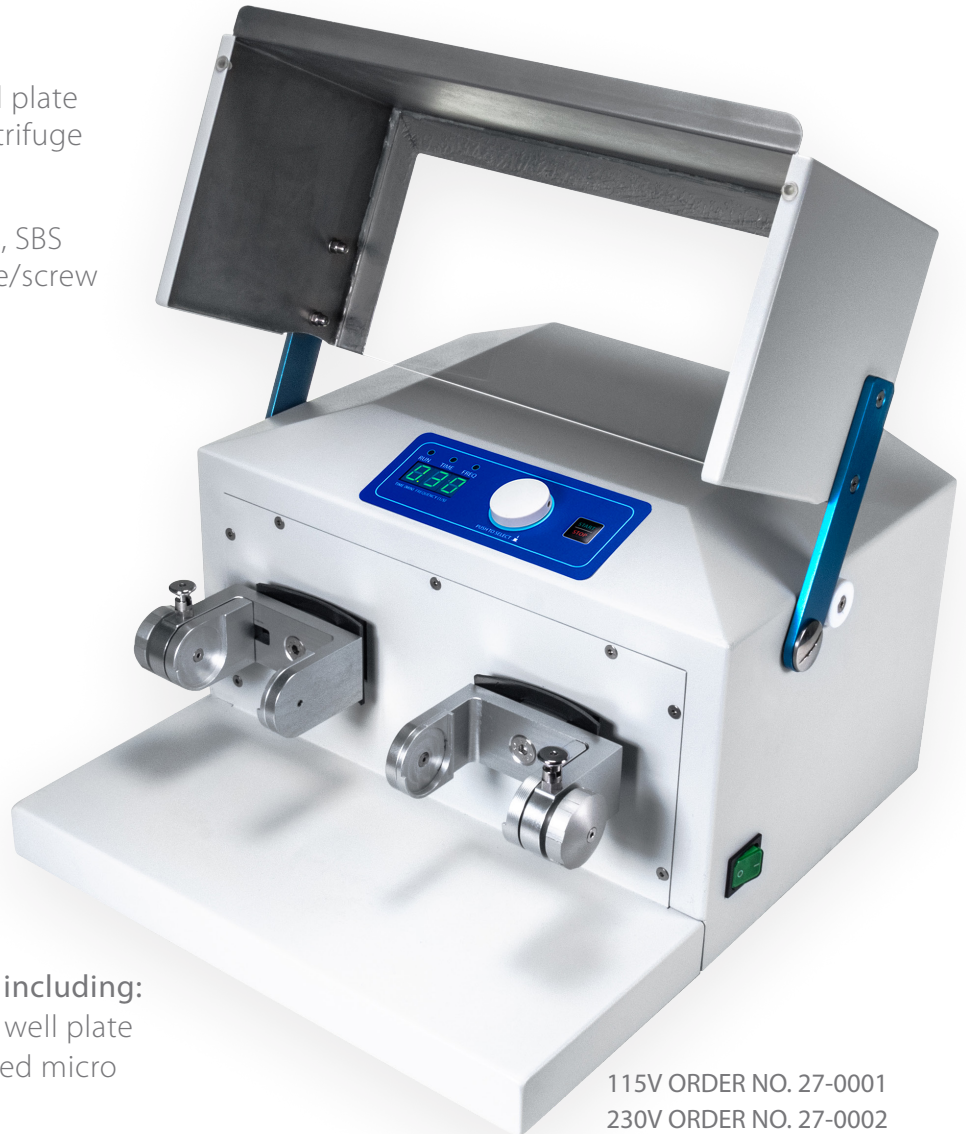
**Run Time:** 1s - 99 min. Most samples processing in under 1 min.

**Power Rating:** 100-230 VAC/50-60 Hz

**Dimensions:** 15" W x 17" D x 13" H

**Weight:** 42 kg (92 lbs.)

**Compliance:** CE



115V ORDER NO. 27-0001  
230V ORDER NO. 27-0002

## Features

- **Multiple sample processing modes including:** sealed jar milling, cryogenic milling, well plate homogenizing, bead beating in sealed micro centrifuge or screw cap tubes.
- **High throughput processing:** Dissociate up to 384 samples per cycle.
- **Digital controls ensure reproducibility.**
- **Large processing swath ensures high impact forces.**
- **30 Hz frequency ensures rapid processing.**
- **Integrated safety lid.**
- **Wide range of accessories including well plate, tube holders and sealed jars for wet, dry or cryogenic milling.**

## Ideal for

- **Bead milling in 96 well plates, bead tube processing and milling applications.**
- **Dry grinding of powders.**
- **Cryogenic milling of tough materials including plastics, plants, tissues and bone.**
- **Dry milling of grains, hay, soils, powders, ceramics or pigments.**
- **Rapid DNA, RNA or protein extraction from tissues, plants, cells, bones or hair.**

# Accessories

Designed for efficient disruption of small samples. Omni International offers a broad range of tube holders making the Bead Ruptor 96 a suitable tool for most life science applications.

## 96 Well Plate Tube Carriage - ORDER NO. 27-101

Description	Volume
96 Well Plate attachment - set of two	2 x 2 mL deepwell, 4 x 1 mL well plate or 6 x standard well plate

## Microtube or Screw Cap tube holder - ORDER NO. 27-106

Description	Volume
Microtube or Screw Cap tube holder - set of two	48 x 1.5 ml or 48 x 2 ml screw cap tubes

## 25 ml milling jars - with set of 2 o-rings and wrenches - ORDER NO. 27-004

Description
25 ml milling jars - includes 2 x 25 mL milling jars, 4 x O-rings and 2 x milling wrench

## 50 ml milling jars - with set of 2 o-rings and wrenches - ORDER NO. 27-006

Description
50 ml milling jars - includes 2 x 50 mL milling jars, 4 x O-rings and 2 x milling wrench

## 10 mm milling balls - set of ten- ORDER NO. 27-203

Description
10 mm milling balls

## 25 mm milling balls - set of five - ORDER NO. 27-206

Description
25 mm milling balls

## 2 mL Well Plate - pre-filled pack of five - ORDER NO. 27-6005

Description
2 mL Well Plate with sealing mats and pre-filled with 5mm stainless steel beads

## 2 mL Well Plate - pack of 50 - ORDER NO. 27-500

Description
2 mL Well Plate bulk pack of 50

## Well Plate Sealing Mats - pack of 50 - ORDER NO. 27-510

Description
2 mL Well Plate Sealing Mats bulk pack of 50

## 5mm Stainless Steel Bead Media - 500 g - ORDER NO. 27-7005

Description
5 mm Stainless Steel Beads pack of 500 g





# Bead Ruptor 96

Omni offers a selection of Beads and Tubes for ultimate versatility

A variety of bead media are available for different sample types. Omni International's various tube sizes fit a range of sample volumes. With the Bead Ruptor's vigorous and uniform shaking, all samples are consistently homogenized.

## A selection of our best-selling Bead Kits:

### 2 mL PRE-FILLED BEAD MILL TUBES

	ORDER NO.
Hard Tissue Grinding Mix, 2 mL	19-620
Micro-organism Lysing Mix, 2 mL	19-621
Soft Tissue Homogenizing Mix, 2 mL	19-627
Hard Tissue Homogenizing Mix, 2 mL	19-628

### 1.5 mL PRE-FILLED BEAD MILL TUBES

	ORDER NO.
Soft Tissue Homogenizing Mix, 1.5 mL	19-617
Hard Tissue Homogenizing Mix, 1.5 mL	19-618
Hard Tissue Grinding Mix, 1.5 mL	19-610



## Tube Selection Guide

Tube Size	20 µL	100 µL	1 mL	5 mL	15 mL	30 mL	50 mL
0.5 mL	20 µL - 300 µL						
1.2 mL stripwell	20 µL - 800 µL						
1.5 mL	20 µL - 1.5 mL						
2 mL	100 µL - 1.8 mL						

VOLUME RANGE



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Rev.C