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# TENCAN

## Product Brochure



PLANETARY BALL MILL JAR

## vacuum planetary mill jar

Planetary vacuum jar prevents oxidation during grinding. Sealed design allows evacuation and inert gas filling, isolating materials from air and moisture.

<https://www.labballmill.com/products/grinding-series/planetary-ball-mill-jar/vacuum-planetary-mill-jar.html>

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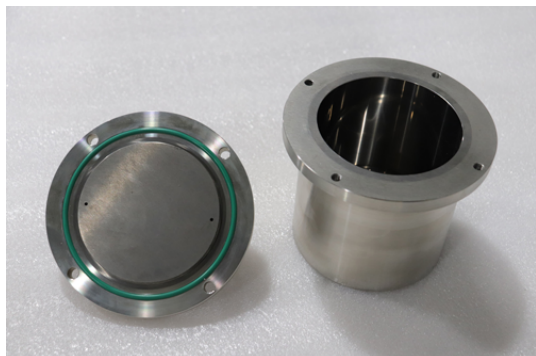


## Product Overview

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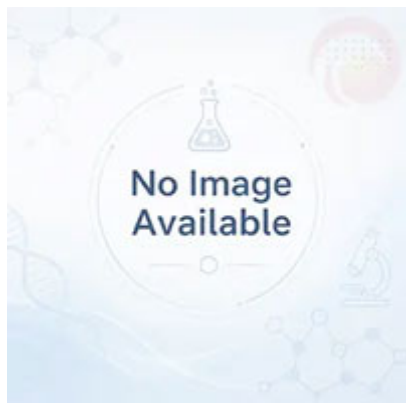
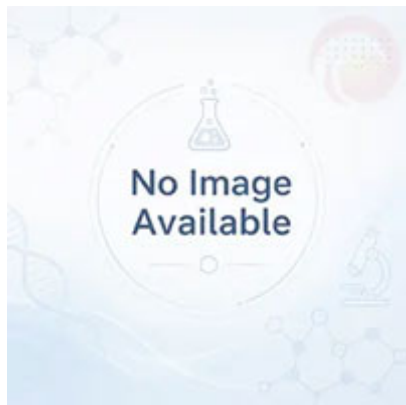


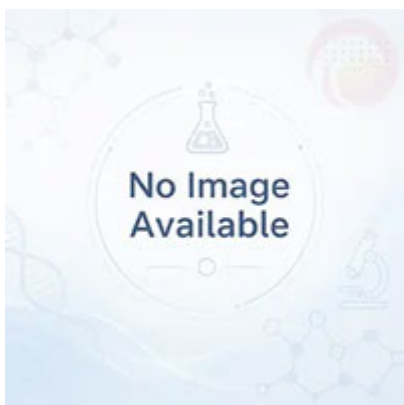
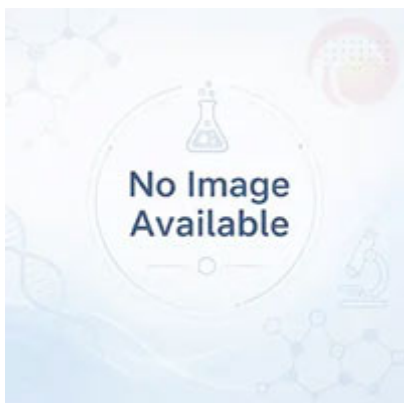


## Product Introduction

The planetary vacuum ball mill tank is mainly developed to address the problem that materials will be oxidized by oxygen in the air during the grinding process of the planetary ball mill. Through the special sealing design of the grinding tank, it can be evacuated and then filled with inert gas to isolate the material from oxygen, water or other substances in the air that may affect the grinding, thereby avoiding oxidation and reducing contact between the material and other substances that affect the grinding effect.

**Various sizes can be customized according to customer needs.**





## Technical parameters

| Model specifications | Inner diameter (mm) | Outer diameter (mm) | Flange edge (mm) | Inner depth (mm) | Excluding cover height (mm) | Height including cover (mm) | Reference weight (kg) |
|----------------------|---------------------|---------------------|------------------|------------------|-----------------------------|-----------------------------|-----------------------|
| 50ML                 | 39                  | 49                  | 78               | 45               | 50                          | 58                          | 0.7                   |
| 100ML                | 48                  | 62                  | 88               | 57               | 65                          | 72                          | 1.3                   |
| 250ML                | 73                  | 88                  | 108              | 65               | 73                          | 80                          | 2.1                   |
| 500ML                | 90                  | 107                 | 132              | 93               | 100                         | 107                         | 3.5                   |
| 1L                   | 106                 | 121                 | 131              | 117              | 123                         | 130                         | 4.2                   |
| 1.5L                 | 115                 | 131                 | 151              | 143              | 150                         | 158                         | 5.8                   |
| 2L                   | 141                 | 153                 | 177              | 133              | 140                         | 149                         | 6.3                   |
| 3L                   | 141                 | 157                 | 178              | 198              | 205                         | 213                         | 9.2                   |
| 4L                   | 168                 | 178                 | 220              | 200              | 205                         | 213                         | 9.2                   |
| 5L                   | 182                 | 192                 | 234              | 200              | 205                         | 213                         | 10.2                  |

## Product Features

1. Special valve design, easy operation and strong sealing;
2. Made of stainless steel, it can also be lined with nylon, polyurethane, corundum and other materials, with strong versatility ;
3. Tianchuang professionally develops, sells directly from the manufacturer, and is cost-effective.

## **Accessories & Customization**

### **Accessories**

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

### **Customization**

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.