

Professional
Powder Equipment
Manufacturer

TENCAN

Product Brochure



Powder
Equipment



Milling
Technology



Powder
Materials



OTHER GRINDING EQUIPMENT

Agate grinder

MNY

Ideal lab equipment for grinding small samples. Agate mortar ensures contamination-free fine powder. Widely used in research labs.

<https://www.planetaryballmills.com/products/grinding-series/other-grinding-equipment/agate-grinder.html>



Product Overview

Ideal lab equipment for grinding small samples. Agate mortar ensures contamination-free fine powder. Widely used in research labs.



Agate Mortar Grinder

MNY-Φ120

Automated Control
Micron-Level Grinding

Precise Control of
Grinding Rod Speed
Grinding Time





Product Introduction

The agate mortar grinder is mainly composed of three parts: a grinding rod, an agate mortar and a scraper. During the working process, the agate mortar rotates clockwise and the grinding rod crushes the solid particles in the mortar to make the solid particles smaller and finer while being fixed. The scraper scrapes off the particles on the edge of the mortar, so that the solid particles return to the mortar and continue grinding. During the movement of the agate mortar and grinding rod, the grinding opportunity for each solid particle is equal, so the particle size of the ground micron powder is uniform. Set a reasonable grinding time for different solid particles (generally, the longer the grinding time, the finer the particles are ground), so that both coarse particles and fine particles are ground into very fine powder particles. The particle size can reach the micron level, and some can even reach the nanometer level. The entire grinding process can be automatically controlled. Agate bowl mill is an ideal grinding equipment for laboratory grinding of small amounts of micron powder.

Grinding Series

Product Details



Technical parameters

model	MNY-Φ120
Voltage	AC110V/220V 50Hz/60Hz
Grinding rod power	10w
Mortar power	25w
Mortar and pestle material	agate
Mortar diameter	Φ120mm
Mortar depth	34mm
Mortar speed	10rpm
Rotation speed of grinding rod	20rpm-90rpm
Grinding time	0-900min

Product Features

1. The power of grinding particles can reach micron level.
2. Precisely control the grinding rod speed and grinding time.
3. Used for grinding superhard material powder, electronic powder, resin powder, food powder, pharmaceutical powder, and chemical powder.
4. Simple operation.

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.