



# Fritsch Pulverisette

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## LOCATIONS

### WEST COAST

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### EAST COAST

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### Description:

#### **PULVERISETTE II**

The principle behind the P2 is similar to a hand mortar, in that the material to be ground is reduced in size between the pestle and the mortar bowl through pressure and friction. The mortar is rotated by a geared motor while the pestle is mounted in a freely rotatable manner.

### Multiple Grinding Sets Available:

- Agate
- Stainless Steel
- Hardened Steel
- Tungsten Carbide
- Porcelain
- Sintered Corundum
- Zirconium Oxide

### Features of performance:

- fast, uniform comminution of 6-8 mm feed to – 10 microns
- grinding force exactly adjustable (slider-weight 3 – 9 kg)
- easy cleaning due to removable mortar bowl and pestle – working volume of 190 ml, with 7 different materials for mortar and pestle for contamination free grinding.
- safety tested in accordance with CE mark.
- 2-year guarantee

Catalog Number	Description
010G-020	P-2, for operation on 110 V/1 Ph/60 Hz
010G-021	P-2, for operation on 220 V/1 Ph/50 Hz
010G-022	Porcelain Jar

**Equipment: The Mortar Grinder “pulverisette 2” is delivered without grinding sets. Grinding mortar and pestle (= grinding set) are available in 7 different materials and must be ordered as accessories.**

# Pulverisette V



## Description:

The P-5 planetary mill is ideally suited for rapid batch grinding down to colloidal fineness. The mill works for either dry or wet grinding. Maximum fineness is about 1 micron. Effective grinding capacity with 500 ml containers is 225 ml x 4 for a total material volume of 900 ml. Maximum feed particle size is 10 mm (0.4").

The P-5 is available in two configurations, the P-5/2, which uses 2 grinding containers, or the P-5/4, which uses 4 grinding containers. Electrical requirements are for either 115 V/1 Ph/60 Hz or 220 V/1 Ph/50 Hz.

## Some Advantages of the P-5:

- Quick grinding by impact and friction
- Capability to grind down to 1 micron
- Sealed grinding containers for full recovery of ground material
- Analytical Pure grinding elements available (Agate, Tungsten Carbide, Zirconium, Chrome Steel)
- Grinding containers in 80 mL, 250 mL, or 500 mL volumes
- Easy clean up after grinding
- Reproducible results, with timer for 0-60 minutes time controlled grinding
- Digital speed readout (0-360 rpm)
- Portable, lab table top design
- Two Year Manufacturer Guarantee

Catalog Number	Description
<b>010G-040</b>	P5/4, 115 V/1 Ph/60 Hz, holds 4 grinding bowls
<b>010G-041</b>	P5/4, 220 V/1 Ph/50 Hz, holds 4 grinding bowls
<b>010G-042</b>	P5/2, 115 V/1 Ph/60 Hz, holds 2 grinding bowls
<b>010G-043</b>	P5/2, 220 V/1 Ph/50 Hz, holds 2 grinding bowls
<b>010G-044</b>	500 ml Agate Grinding Bowl
<b>010G-045</b>	250 ml Agate Grinding Bowl
<b>010G-046</b>	500 ml Tungsten Carbide Grinding Bowl
<b>010G-047</b>	250 ml Tungsten Carbide Grinding Bowl

# Pulverisette 0



## Description:

Pulverisette 0 is an electromagnetic-powered mortar that transmits vertical oscillations to a single grinding ball, which in turn transfers the energy to the material being milled. Grinding forces can be controlled to enable very reproducible results. Samples of <5 mm material up to 10mL are ground, wet or dry, to analytical fineness. The unit produces a very narrow particle size distribution range. A Perspex viewing window permits observation. It comes with a built-in timer. Ship wt: 60 lbs. Select from three grinding materials to control abrasion and contamination. A transparent plexiglass hood for sound absorption is optional. The Pulverisette 0 power base can be converted to a wet or dry sieve shaker accommodating 8", 200mm or 125 mm sieves. This is the same drive as used on the Analysette III.

Catalog Number	Description
010G-001	Pulverisette 0, 110v/60hz
010G-002	Pulverisette 0, 220v/50hz
010G-003	Agate Mortar set
010G-010	Plexiglass Hood