

**NUOVA GUSEO SRL**

# COMPANY PROFILE



**NUOVA GUSEO SRL**

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## NUOVA GUSEO SRL

Our company, raised early in the twentieth century, have been successful during these years designing and manufacturing plants and equipment for fine and ultrafine grinding.

After having consolidated its technological patrimony, **Nuova GUSEO** is a leader company in manufacturing of a wide range of highly qualified and reliable equipment. Among these it is possible to find:

- ◆ Pre-crushers (different types and models).
- ◆ Roll crushers.
- ◆ Hammer mills with classifying screen.
- ◆ Hammer mills with vertical axis and self-classifying (Pulverizers).
- ◆ Cone mills with classifying screen
- ◆ Fluid jet mills (Micronizers).

Besides, just as an obvious completion of its production range, Nuova GUSEO has also designed a wide range of complementary equipment. Among this, there are:

- ◆ Devices for feeding/charging, metering (dosing) and weighing.
- ◆ Dedusting filters and cyclone-filters
- ◆ Horizontal and vertical mixers
- ◆ Mechanic and pneumatic conveying systems
- ◆ Discharging and emptying devices
- ◆ Weighing and sacking systems
- ◆ Barrier isolators (Glove boxes)

The record of products, Nuova GUSEO has been treating for almost one hundred years of activity in the specific field, is very wide. Many and various are the knowledge and the process technologies acquired by our Company. It is under them that Nuova GUSEO can grant today the use of its equipment in the following fields and with the greatest satisfaction:

- Mining
- Foodstuff
- Cosmetic
- Chemical/Pharmaceutical

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## ACTIVITY FIELD: CHEMICAL/PHARMACEUTICAL

In that field our equipment can be used in the chemical/pharmaceutical area which produces active principals in bulk.

### SUITABLE EQUIPMENT (and mostly required in frequency order):

- ◆ HAMMER MILLS “TURBINE” (TB)
- ◆ MICRONIZERS “MICRONETTE” (MC)
- ◆ CONE MILLS (CM) VERTICAL MIXERS
- ◆ HORIZONTAL MIXERS
- ◆ GLOVE BOXES

### HAMMER MILLS “TURBINE” (TB)

These are hammer mills conceptually identical to the RP series (the same grinding principle), but with characteristics of:

-finishing;  
-ease of disassembly;

-special arrangements to facilitate cleaning and sterilization which make them especially suitable for pharmaceutical use.



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### JET MILLS "MICRONETTE" (MC)

granulometry max supplied:	< 1 mm.
final granulometry achievable:	100% < 10 micron
productive capacity:	from 10 kg/h to 1000 kg/h



### CONE MILLS

The cone mill CM series is part of the high quality product range developed by NUOVA GUSEO over the years, in the field of the particle size reduction of the solid forms, for various areas of application.

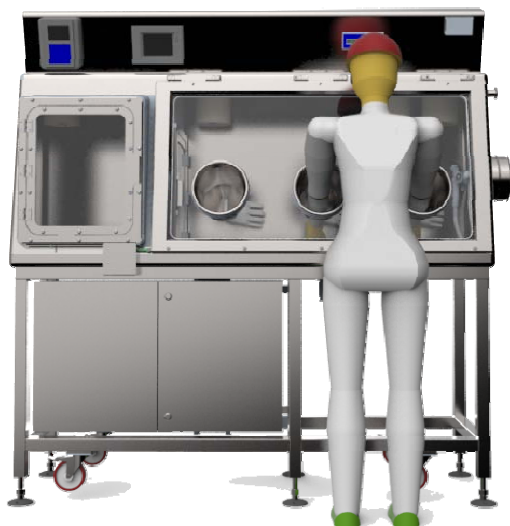
The cone mill is not a "mill" in the proper sense of the word, it is a calibration device and represents ideal application for obtaining a uniform size of the particles for substances having heterogeneous granulometry.

The functioning principle is simple and effective: the product, when fed into the sieving chamber, is forced by a rotating blade outward to the conical screen surface and once the product has passed through the screen, it falls into the receptacle beneath.



**GLOVE BOXES**

Nuova GUSEO specialized in the growing field of the containment for the manipulation of highly active compounds, especially for the pharmaceutical industry, for various kind of application in the different process phases, where the main solution is represented by barrier isolators for different kind of application: reactor charge, filter dryer discharge, weighing and dispensing activities, grinding /milling process integration, etc.



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## ACTIVITY FIELD: FOODSTUFF

Our most frequent applications concern:

- Food additives
- Spices, herbs
- Semi-finished products for ice cream

## SUITABLE EQUIPMENT:

- ◆ HAMMER MILLS RAPIDE (RP)
- ◆ VERTICAL MIXERS
- ◆ HORIZONTAL MIXERS

### HAMMER MILLS "RAPIDE" (RP)

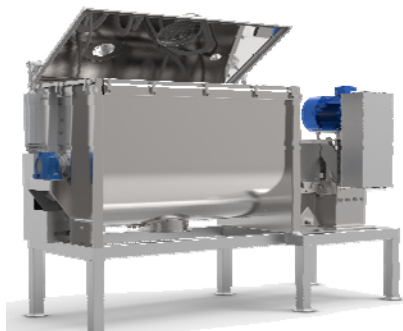
The hammer mill "RAPIDE" differs from the ones used in the mining activity for the finishing degree and for the materials (stainless steel).



### HORIZONTAL AND VERTICAL MIXERS

Both are suitable for an effective use in the specific field, although presenting different characteristics:

The vertical mixer's action is more delicate, so that it can be used for the treatment of products (ex. freeze-dried) which don't have to be broken. It allows the total emptying (without product retention). The installation in the rooms requires little floor space, but the equipment has an important vertical dimension.



The horizontal mixer, having a small vertical size, can be easily placed. Due to the easy opening of the cover, the interior can be easily inspected and cleaned. Its price is usually lower than the vertical model's one.

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## ACTIVITY FIELD: COSMETIC

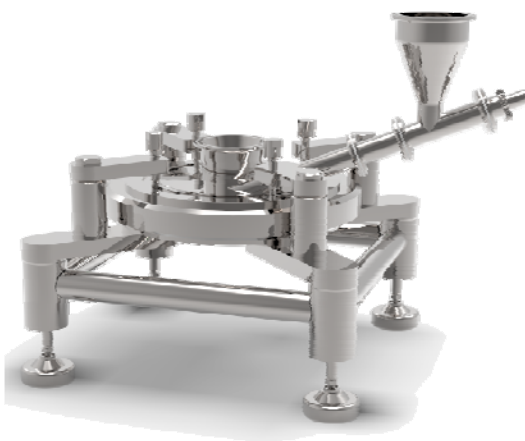
In recent years it has become "fashionable" the use of micronizers for the preparation of make-up products (powders, eye shadows, ...).

### SUITABLE EQUIPMENT:

- ◆ MICRONIZERS "MICRONETTE" (MC)
- ◆ VERTICAL MIXERS
- ◆ HORIZONTAL MIXERS

### MICRONIZERS "MICRONETTE" (MC)

The micronizer confers to powders used in cosmetic preparations (usually it is talc, mica and other minerals combined with silicones, perfumes and pigments) a soft and silky touch, giving it the texture that would not be otherwise obtainable, even with very fine dust.



### HORIZONTAL AND VERTICAL MIXERS

Mixers, with the above described characteristics, are usually used for the preparation of the "foundations" for cosmetics.

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## ACTIVITY FIELD: MINING

- To treat talc, calcium carbonate, kaolin, clay, (minerals with a low silica content).
- To treat explosive and flammable products such as sulphur, coal, metallic alloys, etc.
- To treat some abrasive products such as frits (ceramics), rutile, quartz, etc.

## SUITABLE EQUIPMENT:

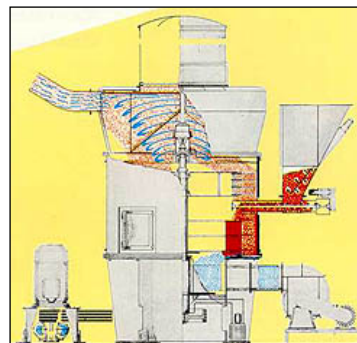
- ◆ HAMMER MILLS "RAPIDE" (RP)
- ◆ PULVERIZERS (GR)
- ◆ JET MILLS "MICRONETTE" (MC)

### HAMMER MILLS "RAPIDE" (RP)

granulometry max supplied:	2,5 cm.
final granulometry achievable:	300 micron
productive capacity:	from 100 kg/h to 30.000 kg/h

### PULVERIZERS (GR)

granulometry max supplied:	1,5 – 2 cm.
final granulometry achievable:	80% < 20 micron oppure 97% < 44 micron
productive capacity:	from 100 kg/h to 3000 kg/h



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## PHARMA

## AMONG OUR PARTNERS

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