



# Lab Classifier Mill: BM-CLM-L

## Overview

Bauermeister has developed a new type of a Classifier and Classifier Mill to be used in test facilities for product and process development. Designed to process small material batches, the Laboratory Classifier and Classifier Mill, model BM-CLM-L can grind and/or classify batches of 1 liter to 20 liter.

In its basic design, the classifier mill is a combination of an impact mill rotor and an air classifier with blade wheel.

With this classifier mill unit, finenesses of up to 97% smaller than 3 micron can be achieved.

By an easy change of the impact grinder against an air jet mill grinding of abrasive products to fine powders can be achieved. In addition, the plant can be operated as an air classifier only by changing the bottom grinding section with a special bottom assembly.

Another product separating option is the Bauermeister Spiral Static Classifier which can be used in combination with the classifier mill next to the use as a stand alone unit.

The system can be operated with open air inlet and outlet or in a closed loop system with inert gas. This allows the processing of explosion sensitive materials or temperature sensitive and hygroscopic products. In standard operation, the unit is equipped with a connecting piece for the use of liquid CO<sub>2</sub> in combination with an integrated control system for operation at a pre-set temperature.



## Key Features

Bauermeister offers a complete plant mounted on a stand. This basic plant includes the following components:

- Volumetric feeder with agitated hopper
- Classifier Mill
- Product separation by a high efficiency cyclone
- Product collecting bins with air seal clamps at the discharge of cyclone, filter and air classifier
- Control panel as a separate unit.