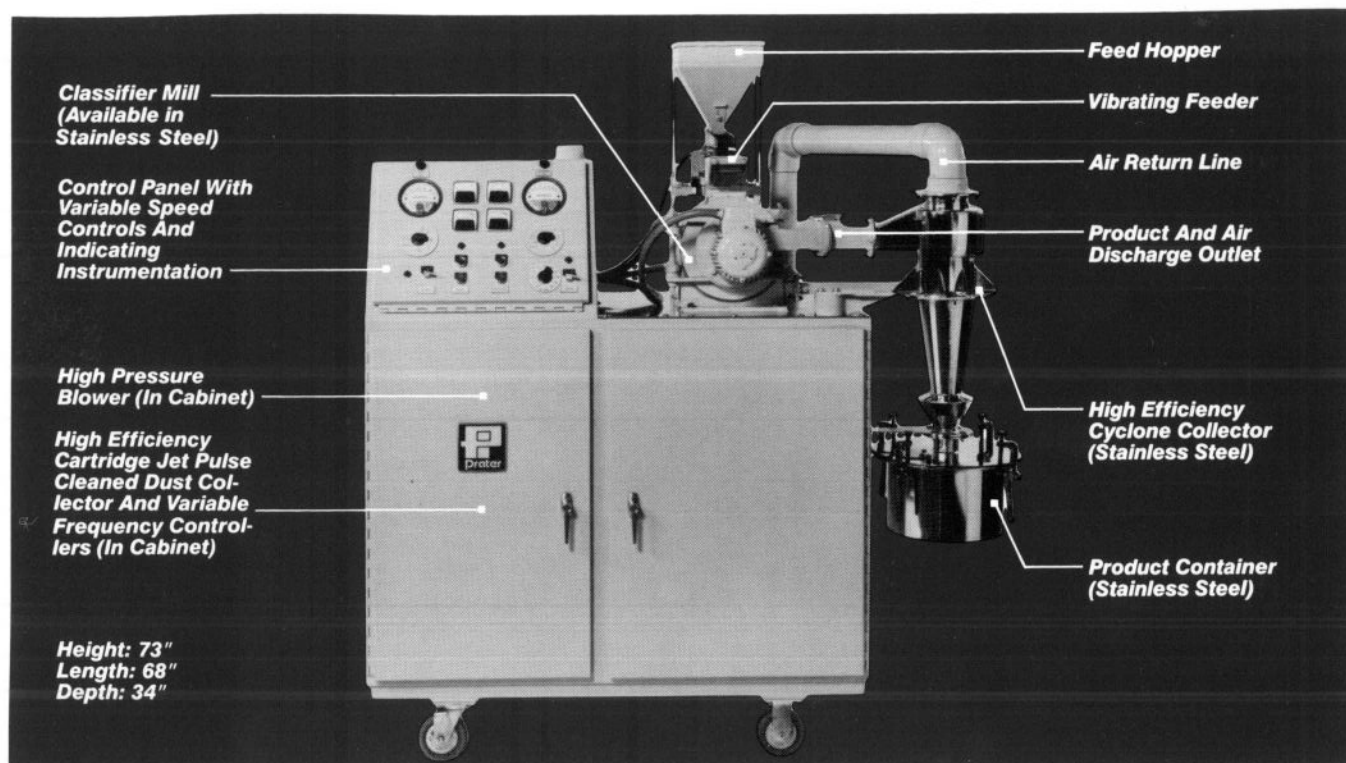




Prater Industries, Inc.

Bulletin No. CLM-18-85

Prater CLM-18 Prema[®] Classifier mill lab system



- ☐ Completely adjustable. Variable speed controls let you adapt system to your specific needs.
- ☐ Portable, compact, completely self-contained, dust-free system. One person operation.
- ☐ Accurately sizes finished particles anywhere from 150 microns to 3 microns. Virtually unlimited applications where extremely fine grinds are required.
- ☐ System includes all standard equipment required before and after classifier mill. Stainless steel Cyclone Collector and Product Container are also standard.
- ☐ 230 Volt, 3-Phase, 60 Hz power requirement.

MINIATURE FINE GRINDING SYSTEM PROVIDES IN-PLANT PRODUCT DEVELOPMENT AND TESTING CAPABILITIES.

The latest addition to the Prater line of fine grinding equipment, the CLM-18 Classifier Mill Lab System provides fine grinding capabilities for customer in-plant product development, testing, or low volume production where super fine grinds are required.

Originally built for use in Prater's own product testing lab, the CLM-18 provides the most efficient in-plant product testing and evaluation available. It gives you the ability to determine the most cost-efficient processing methods and equipment necessary to meet the large-scale processing needs of your product. And with the CLM-18, you can determine those needs using very little product materials.

The CLM-18 is compact, self-contained, portable and dust-free. One person can operate the system entirely. It's also completely adjustable.

Variable-speed controls allow the user to quickly adjust motor speeds, materials flow and air flow in the system. Coupled with the interchangeable interior grinding elements, the user can completely adapt both the system and the product to his specific needs.

The standard lab system package includes all the components necessary for the controlled feeding, grinding and removal of product: Feed Hopper, Adjustable Rate Vibrating Feeder, Patented Classifier Mill, Discharge Outlet, Stainless Steel Product Container and Variable Frequency Controllers. 230 Volt, 3-Phase, 60 Hz power is required.

The CLM-18 is designed to meet virtually any product application requiring finished grinds from 150 microns to 3 microns.

Typical applications currently include pharmaceuticals, chemicals, food processing, organic and inorganic pigments, plastics and synthetics. The unit will also accept feed product size of up to 1/2".

Prater laboratory testing services

PRECISION TESTING TO SELECT THE BEST EQUIPMENT TO FIT YOUR APPLICATION NEEDS.

Years of experience in testing particle size reduction has helped Prater consistently select the best equipment to fit a multitude of applications. It has also enabled us to design alternative products to better serve your needs. Prater offers complete test facilities for product evaluation. After the physical properties of a product are determined, samples can be ground (fine or coarse), screened, dewatered, analyzed and returned promptly. Our staff of experienced application engineers will then recommend the Prater equipment best suited for your most exacting requirements.

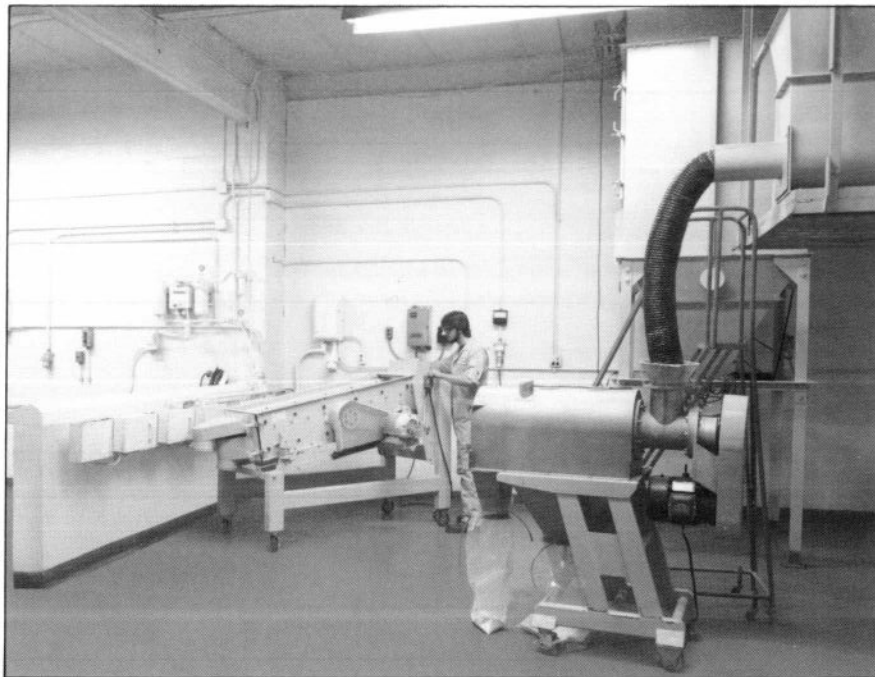
ABOUT OUR LAB FACILITIES

Prater's laboratory facilities are well-equipped with the most up-to-date laboratory sizing, reduction and separation equipment available. This includes a permanent fine grinding system, modular sizing, reduction and separation equipment of all types and the latest state-of-the-art laser micron analyzer, moisture analyzer and electronic scales. This gives Prater the flexibility to conduct tests as close as possible to all types of in-field applications, and provide accurate analysis reports of all product data to the customer.

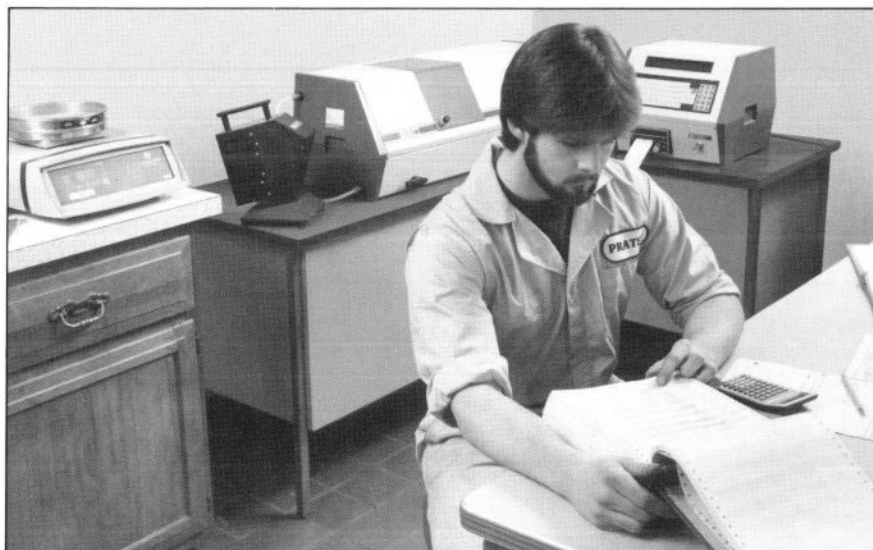
ALL TEST RESULTS ARE KEPT ON FILE.

Prater keeps permanent records of all tests on computer by customer, product and equipment selected. This enables Prater to use the results of prior tests (except those covered in confidentiality agreements) to establish the results quickly on future tests with similar application characteristics. Products can be completely tested and analyzed in a few hours or less. Prater averages 250-300 product tests each year.

We will be happy to conduct tests on your product to determine the most cost-efficient processing methods and equipment to meet your needs.



Prater's laboratory is well equipped to meet virtually any sizing, reduction or separation needs.



All test results are kept in Prater's computer banks by customer, product and equipment.



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