



# Hammer Mills



Prater mills are widely used throughout the process industries for many different particle reduction applications requiring high capacities, power efficiency and uniform particle size. All five models feature our exclusive Full Screen design, a proven system that ensures use of the entire available screen area, enhancing end product quality and equipment productivity.

Screens are strategically placed where extensive testing has shown the majority of grinding takes place, increasing throughput capacity without increasing power requirements. The design improves access to working parts simplifying screen changes.

The center feed and fully symmetrical rotors distribute the product across the full width of the screen area for even hammer wear, this allows the rotor to be reversed so that both edges of the hammers can be utilized before replacement is required.

Correct clearance between hammers and screens is maintained by mounting all screens in heavy-duty frames. Rotors are wider for varied hammer arrangements, and are all supported between durable pillow block bearings. These proprietary design factors combine to provide a controlled, uniform granular grind with the benefits of easy maintenance.

## FEATURES

- Unique design utilizes 100% of the screen area
- Uniform granular grind
- Electronically balanced, reversible rotors
- Efficient use of power
- 24 hr/day operation
- Easy maintenance
- Stainless steel construction available
- High access

## APPLICATIONS

- Pellets - Feed
- Sugar
- Minerals
- Cardboard
- Chemicals
- Spices
- Various Powders

## INDUSTRIES

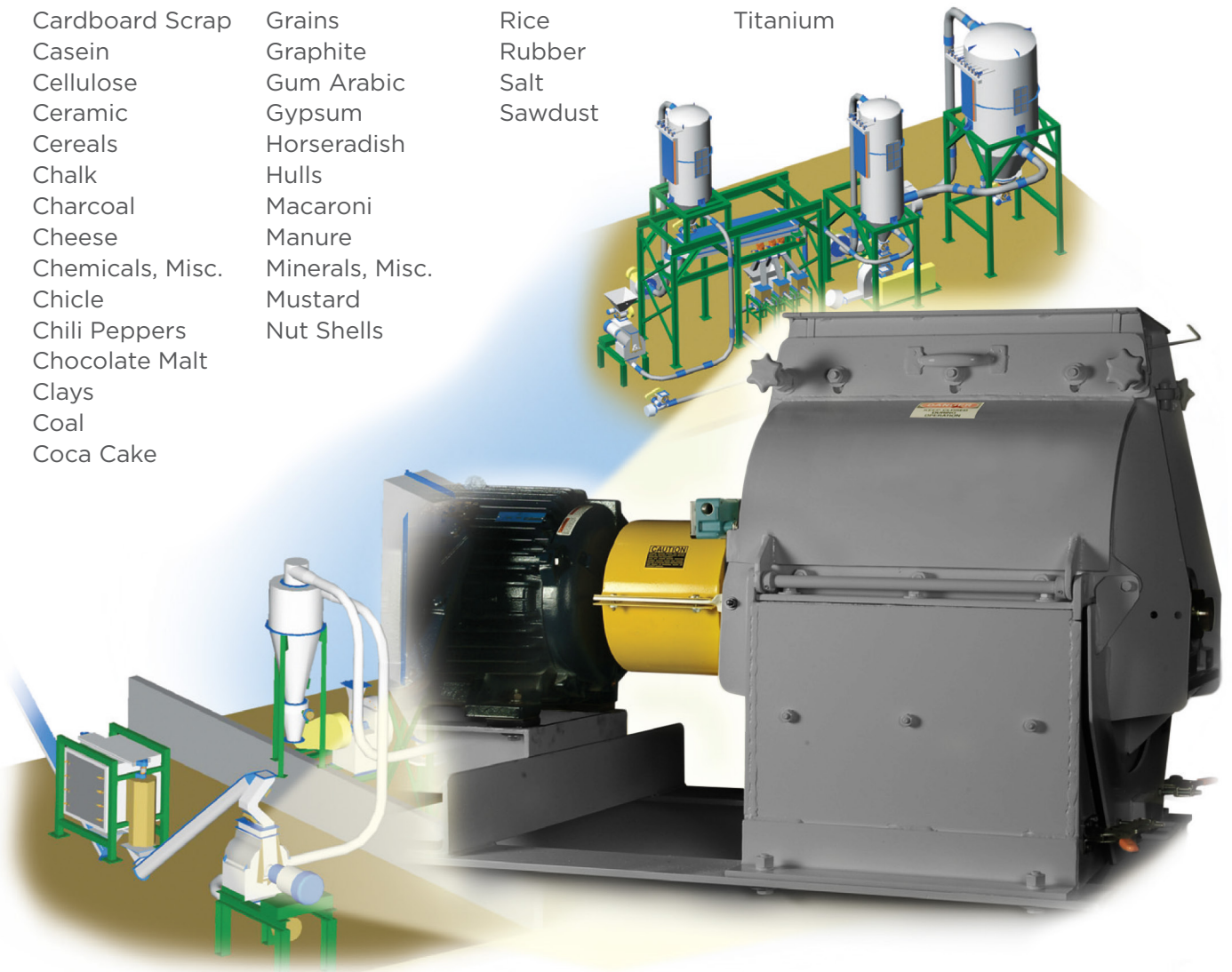
- Food
- Chemical
- Mineral
- Pulp & Paper
- Flavors
- Agriculture

## AVAILABLE SIZES & CAPACITIES

| MODEL | SCREEN AREA |         | RPM          |
|-------|-------------|---------|--------------|
|       | sq. in.     | Avg. HP |              |
| G5    | 440         | 5-15    | 1800<br>3600 |
| G6    | 540         | 15-30   | 1800<br>3600 |
| G7    | 790         | 40-60   | 1800<br>3600 |
| G8    | 860         | 75-125  | 1800<br>3600 |
| G25   | 2700        | 125-300 | 1200<br>1800 |

## Partial List of Materials Processed by Prater Hammer Mills

|                  |                    |                             |                        |                             |
|------------------|--------------------|-----------------------------|------------------------|-----------------------------|
| Alfalfa          | Coffee Chaff       | Oats (whole, hulls, groats) | Seed Screenings, Misc. | Tobacco                     |
| Aluminum Foil    | Cork               | Oyster Shells               | Shellac                | Tomato Pomace               |
| Apples           | Corn               | Paper                       | Shrimp                 | Water Softener              |
| Barley           | Diatomaceous Earth | Peanuts                     | Soap, misc. forms      | Wheat (whole, gluten, germ) |
| Beans            | Egg Noodles        | Peat Moss                   | Soda Ash               | Wood                        |
| Bread Crumbs     | Feed               | Plastic Foam                | Soup Flakes            | Yeast                       |
| Buttermilk       | Fertilizer         | Pumpnickel                  | Spices                 |                             |
| Cake Mix         | Gelatin            | Resin, various              | Steel Wool             |                             |
| Candy            | Glass              | Riboflavin                  | Titanium               |                             |
| Carbon           | Grains             | Rice                        |                        |                             |
| Cardboard Scrap  | Graphite           | Rubber                      |                        |                             |
| Casein           | Gum Arabic         | Salt                        |                        |                             |
| Cellulose        | Gypsum             | Sawdust                     |                        |                             |
| Ceramic          | Horseradish        |                             |                        |                             |
| Cereals          | Hulls              |                             |                        |                             |
| Chalk            | Macaroni           |                             |                        |                             |
| Charcoal         | Manure             |                             |                        |                             |
| Cheese           | Minerals, Misc.    |                             |                        |                             |
| Chemicals, Misc. | Mustard            |                             |                        |                             |
| Chicle           | Nut Shells         |                             |                        |                             |
| Chili Peppers    |                    |                             |                        |                             |
| Chocolate Malt   |                    |                             |                        |                             |
| Clays            |                    |                             |                        |                             |
| Coal             |                    |                             |                        |                             |
| Coca Cake        |                    |                             |                        |                             |



**PRATER**<sup>®</sup>  
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