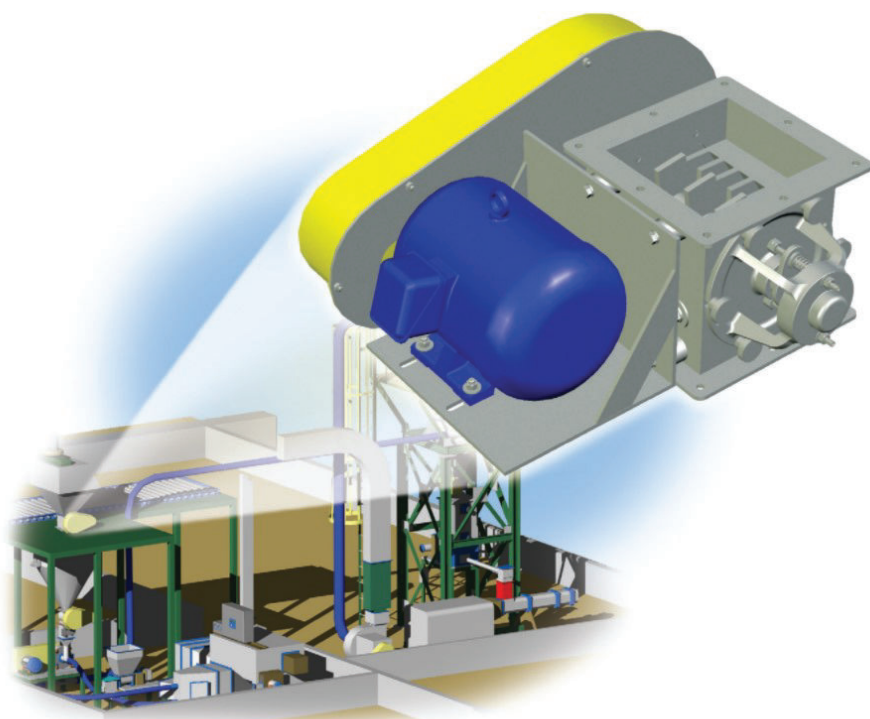


KEY FEATURES

- Durable, heavy-duty construction ensuring long service life
- Mild steel or stainless steel models available, depending upon the application
- Easy installation and maintenance
- Easy replacement of internal components
- A wide spectrum of blade designs, tailored for the specific product
- Externally mounted bearings with optional air-purge seals to mitigate contamination
- Customizable screen sizes for any sizing application
- V-belt, cogged belt, or direct drive designs available
- Low-profile design fits in tight spaces, simplifies installation
- Optional wear liners and wear-resistant blades available
- Quick-clean capability for minimizing downtime
- Sanitary construction options as required by the application
- Integrated designs with bag-dump workstations or bulk bag unloading systems available
- Superior de-lumping for optimized product handling
- Heavy-duty dual- or single-shaft models available

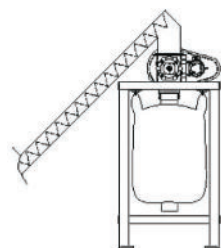
Partial List of Materials Processed By Prater Lump/Flake Breakers



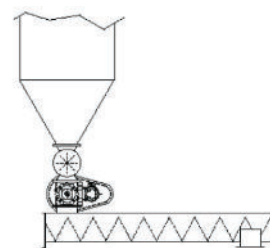
Aluminum	Kiln Dust
Flouride	Kraton Pellets
Aluminum Silicate	Magnabrite Flakes
Barium Sulphate	Maltodextrin
Borate Ore	Melamine
Boric Acid	Mustard Cake
Boron	Non - Dairy Creamer
Calcium Chloride	Nucel Dope
Calcium	Paper Waste
Hypochlorite	Pasta Shells
Chicken Litter	Phenolic Resin
Chocolate Bars	Polyester Resin
Citric Acid	Potassium
Clay	Potato Starch
Cocoa Lumps	Flakes
Coconut	Resin Flakes
Compacted Mugwort	Road Salt
Cookies	Rubber
Copper Hydroxide	Salt Flakes
Detergents	Shellac
Dog Biscuits	Soap Screenings
Dog Food	Sodium Tripolyphosphate
Dried Biosolids	Sterol Lumps
Dried Bread	Sugar
Expeller Cake	Sulphur
Fertilizer	T-Butylacrylamide
Filter CakeFood	Toner Flakes
Casings	Tunnel Yeast Noodles
Granola Bars	Turf
Hectabrite Flakes	Vitamin E Succinate
Isocyanate Flakes	

AVAILABLE SIZES & CAPACITIES

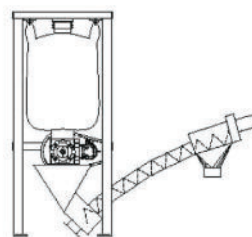
Sizes	FT ³ / MIN
8" x 8"	8
10" x 10"	12
12" x 12"	18
14" x 14"	25
16" x 16"	33
18" x 18"	43
20" x 20"	58
24" x 24"	73



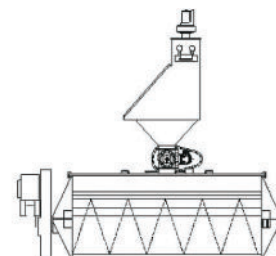
Delumping prior
to bag loading



Delumping after
bin unloading



Delumping after bag
unloading



Delumping
before mixer

KEY BENEFITS

Prater Single-Shaft Lump Breakers (also called **Flake Breakers** and vice versa) provide a simple, durable, and economical means of conditioning materials that have become compacted or lumpy due to storage, transport, or blending. Simultaneous application of gentle impact and shear results in free-flowing materials with uniform size distribution. Many industries require size uniformity when blending, conveying, and packaging their finished products. Prater Lump Breakers provide cost savings, streamlined operating efficiency, and enhanced product quality.

Prater Dual-Shaft Flake Breakers provide the same benefit as Prater Single-Shaft Lump Breakers yet with a lower profile. Equipped with counter-rotating blades, these flake breakers are ideal for conditioning or granulating materials purposely compacted in densification equipment, filter presses, recycling, or disposal operations.

THEORY OF OPERATION

Material is gravity-fed into the top of the unit where rotor blades impact the lumpy or compacted material. Blades intermesh with each other or with stationary blades to ensure sufficient material contact. For harder lumps, an optional screen can be used to extend retention time. Fully de-lumped material exits by gravity discharge through the optional screen. Screens with different openings are easily interchanged to accommodate a variety of material types and to allow for specific output characteristics. Large operating clearances and low operating speed minimizes shear and impact that minimizes dust generation and size reduction of particles.