

petron

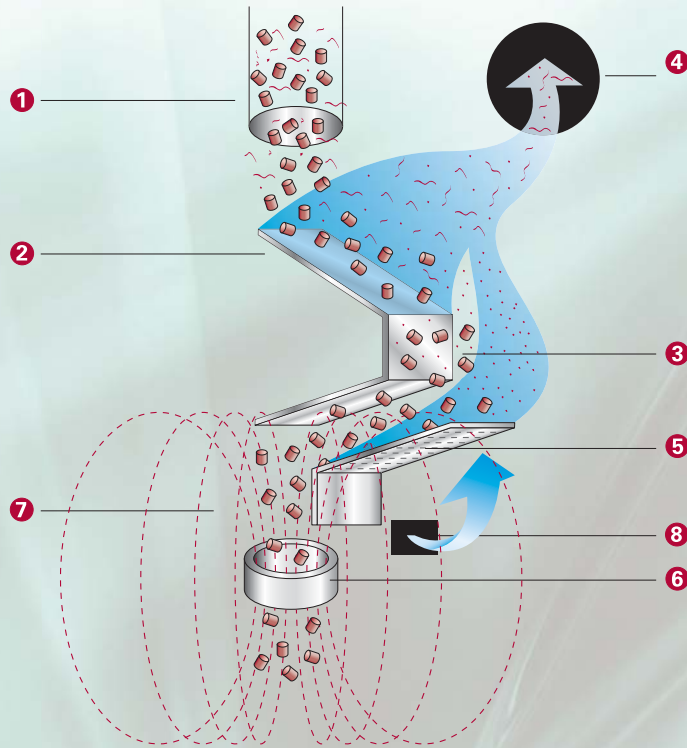
Discover **Bulkmatology**[®]
The Nature of Bulk Material Handling

DeDusting Solutions for the processing industry



Operating principle

- 1 Product inlet
- 2 Inlet chute
- 3 Venturi zone
- 4 Dusty air outlet
- 5 Wash deck
- 6 Electromagnetic coil
- 7 Electromagnetic field
- 8 Wash air inlet



Mini Series DeDuster®

Pelletron DeDusters® reduce your scrap rate and increase profitability by removing dust, streamers, and other contaminants. Easy installation on top of the Injection Molding Machine or Dryer. No more black spots, white spots, or blurry surfaces. Less dust reduces maintenance of the screw and minimize house keeping. Compact regrind cleaning stations available.



Cleaned plastic pellets



High Quality end products



Dusty plastic pellets



Blurry surface, caused by dust



Black spots, caused by dust



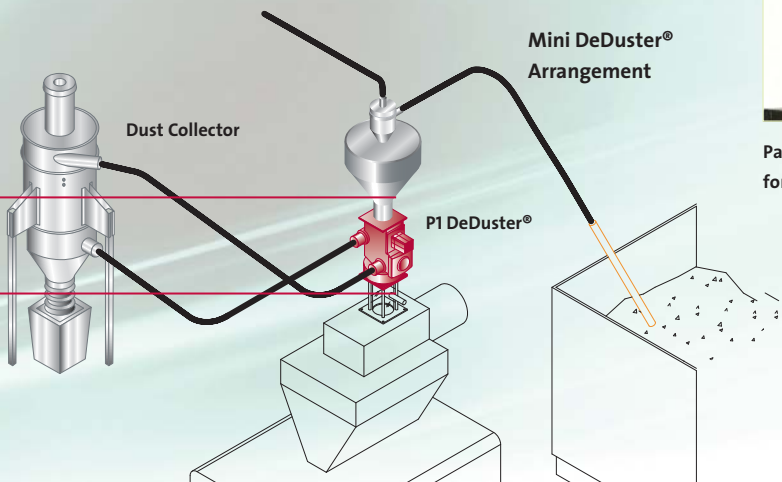
Dedusting Solutions for the processing industry

Pelletron's DeDuster® uses a magnetic flux field to disrupt the electrostatic charge between contaminants and pellets, and a patented air wash deck to separate and remove the contaminants. Pelletron provides DeDusters® for the Plastic Processing and Plastic Manufacturing Industry, as well as for Food, Mineral, Pharmaceutical, Chemical and other applications.

DeDusters® are available in sizes 100lbs/h (50kg/h) up to 200,000lbs/h (100t/h)



Installation Examples



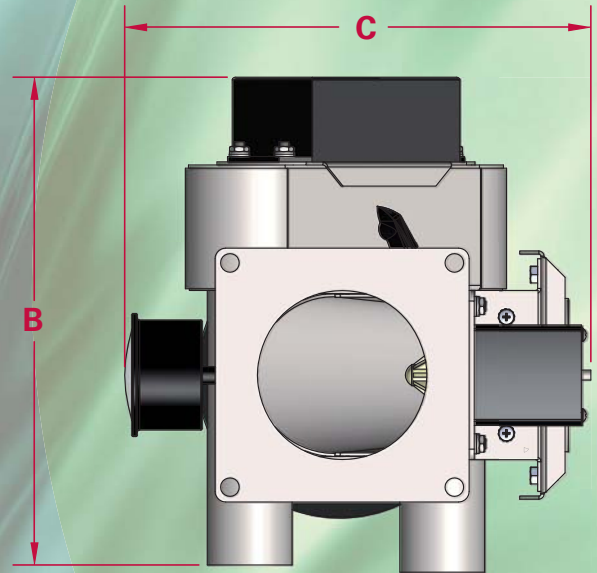
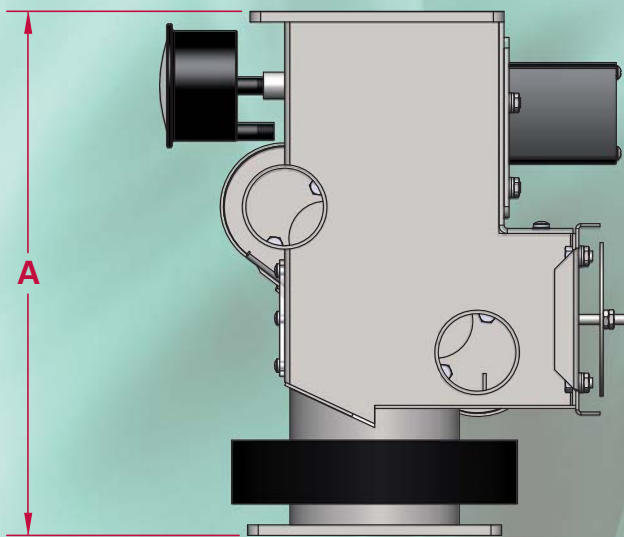
Patented CCD System, Compact Cyclonic DeDuster® for high dust loads and regrinds

Application solutions

- Fits to injection molding machines
- Fits to dryers
- Available as mobile stand alone system
- Regrind cleaning system
- Multiple system installations

Benefits

- Improves quality of molded products
- Reduces maintenance
- Longer lifespan of the feed screw
- Increases use of regrind
- Increases profits



Measurements and weights (all measurements and weights are approximate)

Model (A)	Height (B)	Width (C)	Depth	Weight	Materials	Electrical Power ^{*1}	Capacity ^{*2}
P1	12.30 in 313 mm	11.50 in 292 mm	11.00in 280 mm	18.1 lbs 8.2 kg	All Stainless	115VAC/230VAC 1 phase – 50/60 hz	Up to 150 lbs/hr Up to 70 kg/hr
P5	18.40 in 468 mm	15.50 in 395 mm	14.50 in 367 mm	37 lbs 16.8 kg	All Stainless	115VAC/230VAC 1 phase – 50/60 hz	151 to 500 lbs/hr 70 to 230 kg/hr

^{*1} other electrical power on request

^{*2} capacity depends on bulk density

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