**Mini DeDuster Features**
- Patented air wash decks
- Patented venturi chamber
- Patented magnetic flux field coil
- Cast aluminum or stainless steel
- HEPA cartridge filter
- Hopper loader available
- Sight window
- Closed loop operation
- Metal detector available

**Mini DeDuster Benefits**
- Reduces scrap and bad parts
- Improves product quality
- Reduces maintenance
- Increases lifespan of the feed screw
- Increases use of regrind
- Improves production with a fast ROI

**The Situation**
Fines in virgin material and regrind heat up faster than the pellets and can burn or vaporize leaving defects in your end product.

**The Solution**
Remove fines with the Pelletron P1 or P5 DeDuster, made to fit directly to a molding machine, extruder or combined with a dryer. The DeDuster removes dust particles as small as 1 micron and as clean as 5 ppm.

**The ROI**
Calculate the individual return on investment by using Pelletron’s online cost savings sheet.
Principles of Operation

Product enters the DeDuster by gravity. The motorized agitator prevents material from bridging and controls the flow.

The fines are removed by the pressurized air wash deck and separated at the venturi chamber. A sight window allows the operator to monitor the cleaning action.

A magnetic flux field operating with 12V DC power, bathes the entire unit in a gentle, pulsing, magnetic field. This disrupts the static electricity and removes dust as small as 1 micron.

Clean pellets exit the DeDuster at the product outlet. The dusty air is drawn to a dust collector/fan package and flows through the high efficiency filter. The clean air is then returned to the wash air inlet.