

Discover **Bulkmatology**[®]

The Nature of Bulk Material Handling



Pelletron Corporation, a full service partner focused on delivering quality solutions to the bulk material industry. Pelletron began in 1986 by providing DeDusting solutions to plastic processors. With the use of the DeDuster®, plastics molding and extrusion companies achieve perfect end-products with extremely low scrap rates. Today, Pelletron Corporation is respected as the worldwide leader in DeDusting Technology with a full-service network and satisfied customers located around the world.

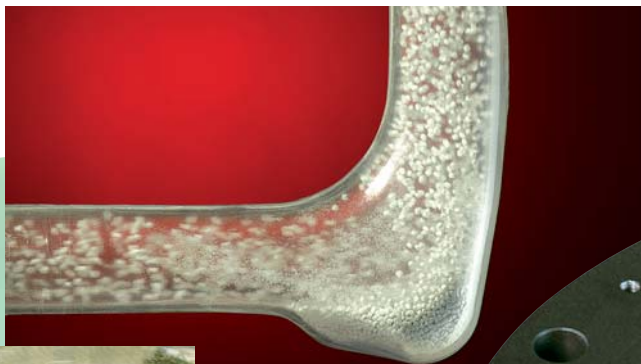
Pelletron has expanded its services to provide plastics manufacturers and compounders with a full range of solutions, including turnkey pneumatic conveying systems and a full line of conveying components. Pelletron also offers a complete series of in-line and off-line DeDusting systems for the removal of dust and streamers. Pelletron also serves the food, pharmaceutical, mineral and chemical industry with DeDusting and conveying technology.

Pelletron is committed to providing the highest level of quality, service, and expertise to its Bulk Material Handling customers around the world. In fact, this commitment runs so deep in the company's culture, it was necessary to create a word that described our passion: The word is Bulkmatology®, The Nature of Bulk Material Handling.

Pelletron Corporation

A full service partner focused on delivering quality





Pelletron Test Facilities

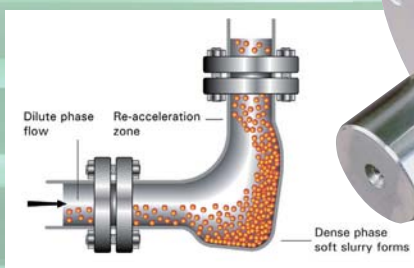
Pelletron maintains a test lab to perform pneumatic conveying trials for dilute-, dense-, and STRANDPHASE™ conveying, product cleaning tests using the DeDuster®, and toll cleaning services for our customers.

The Pelletron FineAnalyzer® measures dust particles as small as 1.6 micron with its unique wet test analysis in accordance with the ASTM standard D 7486-08, or the European FEM 2482 standard.

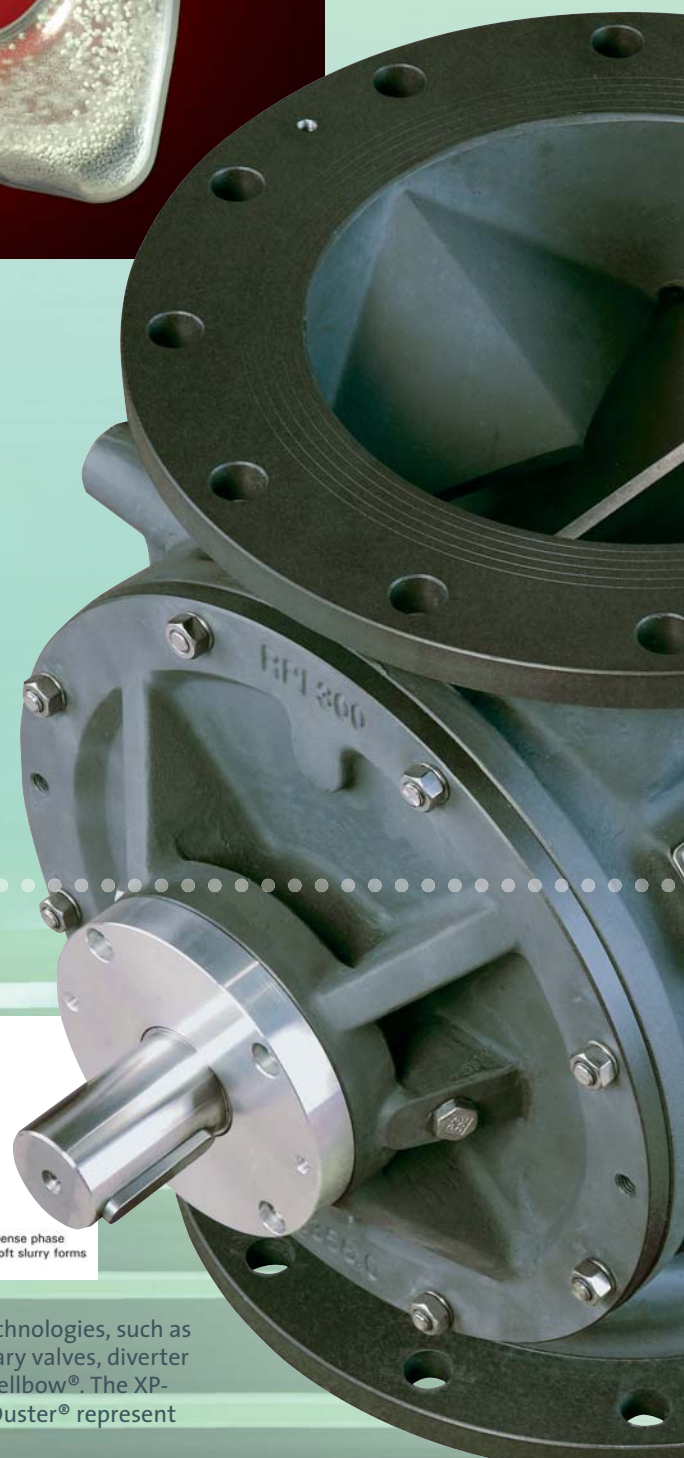
Pelletron provides an electronic test report which includes a ppm analysis, as well as digital images of the material before and after and the dust removed. The cleaned material and the removed dust will be returned the customer for review. This test is free of charge without any obligation.

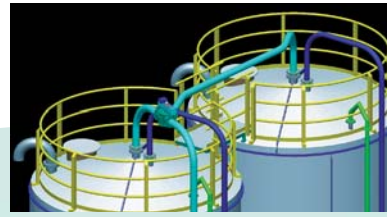
1.6 micron

Research & Development



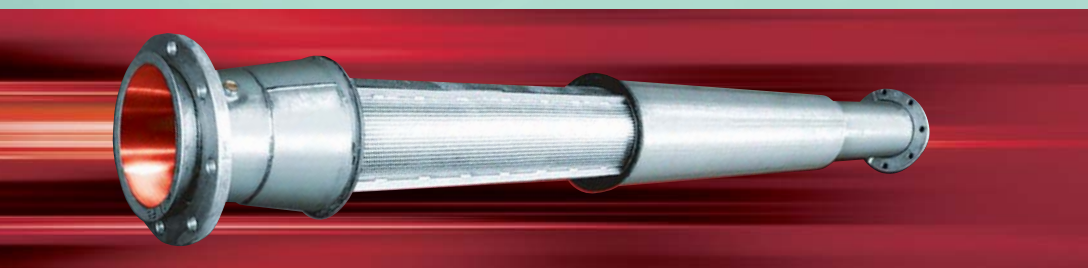
Pelletron developed unique pneumatic conveying technologies, such as the FlowEnhancer™, system components such as rotary valves, diverter valves and the revolutionary pipe elbow, called the Pellbow®. The XP-series DeDuster® and the CCD Compact Cyclonic DeDuster® represent outstanding new technologies.





Pneumatic Conveying

System components for pneumatic conveying



FlowEnhancer™

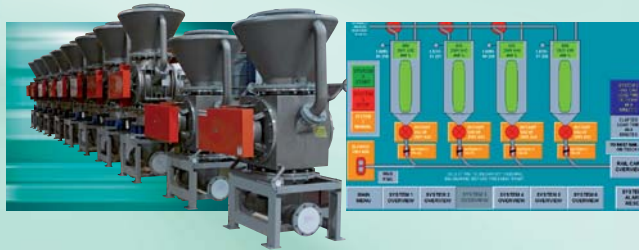
Pelletron FlowEnhancer™ increases the capacity and efficiency of pneumatic conveying systems, reducing the conveying velocity by means of air extraction. The result is less generation of dust and streamers. Pelletron's unique design features ensure easy retrofit into existing systems.



Pellbow®

The Pelletron Pellbow® is especially designed to minimize damage to the elbow and the conveyed product. Using the Pellbow® avoids the creation of streamers and reduces dust. The Pellbow® is available in wear resistant versions, and in various sizes and materials.

Pelletron's highly experienced Bulkmatology® team has many years of knowledge in building systems that meet the unique and individual needs of our customers. Whether it's de-bottlenecking an existing system or designing a complete turnkey plant from the ground up, Pelletron's extensive know-how and experience ensures that solutions are efficient, cost-effective and meet the industries highest standards of quality.



...we provide our customers with intelligent, client-specific solutions.

DILUTE PHASE CONVEYING ● DENSE PHASE CONVEYING ● STRANDPHASE™ CONVEYING ●

Technologies

- Dense phase conveying systems
- Dilute phase conveying systems
- STRANDPHASE™ conveying systems

Services

- System design/engineering
- System analysis & optimization
- Project management
- Instrumentation & controls
- Installation
- Field service
- Global sourcing
- Commissioning
- Pneumatic conveying and DeDusting tests
- Toll cleaning
- Spare parts & re-furbishing

Applications

- Railcar loading and unloading systems
- Pneumatic transfer systems
- Bagging stations
- Truck loading and unloading systems
- Big bag filling stations
- Extruder feeding

Systems



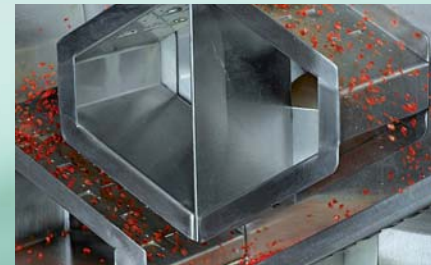
Diverter Valves

Pelletron Diverter Valves are available for granular and powder materials in pneumatic conveying and gravity applications. The Diverter Valves are available for various diversion angles, different sizes, and in stainless steel or a hard coated aluminum/stainless combination.



Rotary Valves

Pelletron Rotary Valves are used in gravity or pneumatic conveying applications for powders, granular products and pellets. The Rotary Valves are available in low and high pressure versions in stainless steel or hard coated aluminum and in various sizes.





DeDusting Systems

The DeDuster[®] for dust and streamer control

Pelletron's DeDusting systems are used by plastic manufacturers, compounders, plastic processors, food, mineral, and other industries around the world. They are widely recognized as the most effective contaminant removal system in the industry today.



Mini Series DeDuster[®]

Pelletron's Mini Series DeDuster[®] is specially designed for the needs of the plastics processing industry. The Mini Series DeDuster[®] fits perfectly to injection molding machines and efficiently separates dust contaminants that contribute to rejected parts, increased scrap rates, and costly production delays.



Pellets cleaned to perfection with a Pelletron DeDuster®

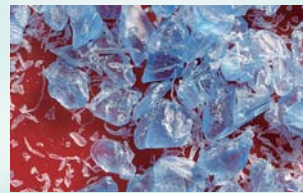
Applications

- Railcar loading and unloading systems
- Pneumatic transfer systems
- Bagging stations
- Truck loading and unloading systems
- Big bag filling stations
- Extruder feeding
- Injection molding machines
- Dryers
- Regrind recovery systems

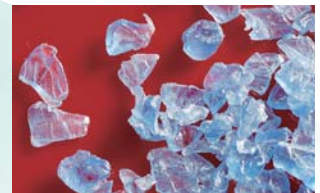
Related Services

- Free product testing (wet and dry fines analysis with PPM profiles)
- Spare parts & re-furbishing
- Field service
- Toll cleaning
- DeDuster® leasing

The Pelletron DeDuster® separates particles as small as 1.6 micron, as well as long streamers and other contaminants. This is achieved, all in one machine, by a combination of the patented fluidizing decks, the unique air flow pattern and the electromagnetic field that breaks the static bond between the plastic pellets and the small dust particles.



Dusty regrind



Cleaned regrind

The Pelletron DeDuster® offers the most compact design on the market today. The units fit in the smallest available space. The DeDuster® is available in sizes 100lbs/h (50kg/h) up to 200,000lbs/h (100,000kg/h).



Mid Series DeDuster®

Pelletron's Mid Series DeDuster® fits directly on an extruder or are installed in the packaging area under silos. In combination with the standard CCD system, (Compact Cyclonic DeDuster®), it offers the most economical and maintenance-friendly solution for high efficiency cleaning of plastic pellets, regrind materials or other products with high initial dust content.



Max Series DeDuster®

Pelletron's DeDusting systems are ideal for all types of granular products that require cleaning before packaging or loading. The Max Series DeDuster® can be integrated into an existing pneumatic conveying system, or set up as an independent system. In order to remove dust and streamers before packaging, the preferred location for a DeDuster® is always under the silo.



XP Series DeDuster®

Pelletron's XP Series DeDuster® offers the lowest height-over-capacity ratio of any dust removal system. This feature makes the XP series DeDuster® the perfect choice for retrofit applications, eliminating in most cases the need for expensive changes on existing equipment. In addition, the larger fluidizing deck area and Venturi zone provide the assurance for the best cleaning results for the products.

Global sales and service network

With an international network of Bulk Material Handling Experts, Pelletron is committed to providing the highest level of quality, service and expertise to our valued Bulkmatology® customers all around the world.



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