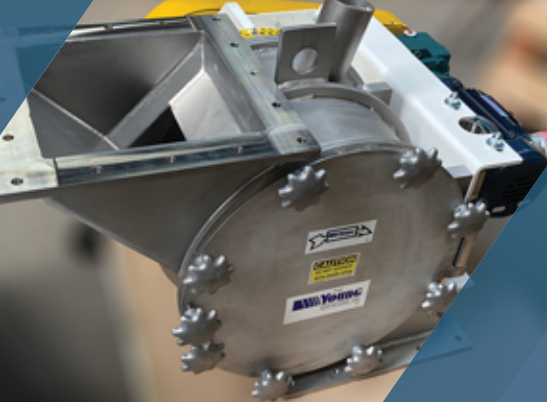


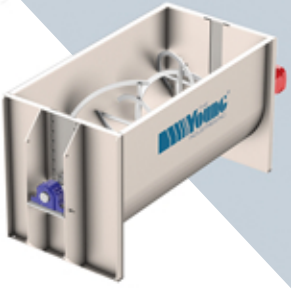
THE
Young®
INDUSTRIES, INC.

**ADVANCED
TECHNOLOGY**
PROVEN DESIGN



Contact Us :
+1 (800) 546-3165
www.younginds.com

MIXERS & BLENDERS



Thorough blending doesn't have to waste power. Our Horizontal Mixers give you a precise match of horsepower-to-load requirements. We ensure the motor is accurately sized for energy efficiency by taking the time to analyze your product, process, and capacity needs. The same holds true for the rest of the design as well you get exactly the features you want and need. Laboratory sizes are available!

FILTER BAG DUMP STATIONS



Our Self-Contained Filter Bag Dump Stations offer the industries' most efficient dust control when dumping bags or drums. These NIOSH tested units have no loss of product through a central dust collection system. With portable, glove box, and empty bag compactor options, these units offer an all-in-one solution for handling and adding bagged materials to your process. Custom designs available.

MULTI-PHASE® PRODUCT PUMPS



A compact, efficient, self-contained, easily installed, and dust-free system for the conveying of powders and granular materials. It's a low-cost solution for transferring raw material and additives from bulk containers to your process equipment. Using plant compressed air or nitrogen, these units are specifically designed for applications where conventional pneumatic systems are economically impractical.

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BULK BAG UNLOADING SYSTEMS



We provide equipment ranging from a single Bulk Bag Unloading Frame to a complex discharging system with provisions to weigh, convey, and control using state-of-the-art PLC systems. Our patented low headroom design allows you to unload bulk bags safely with minimal headroom clearance. Custom frame designs and integral dust collection systems are available.

AERO-MECHANICAL CONVEYORS



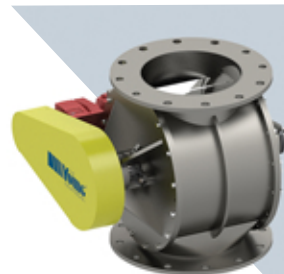
We have been supplying Aero-Mechanical Conveyors since 1985. Constant innovation has led to an industry leading design that addresses the needs of today's powder handling applications. An internal rope assembly traveling at high velocity creates a moving column of air which fluidizes and suspends your material, all while running horizontally, vertically, or any angle in between.

UNI-CAGE DUST COLLECTION



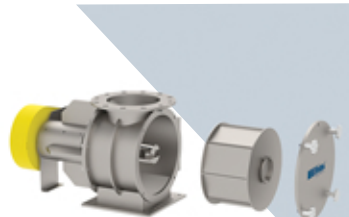
Pulse jet operation is the heart of the self-cleaning system in our filters. The cleaning cycle is continuous which allows those bags that are not in cleaning mode to continue filtering the airstream. Bag replacement is easy with external bag replacement there is no need to enter the dusty bag house; all bag maintenance is performed from the clean air side. Custom options are available.

DROP-THRU ROTARY VALVES



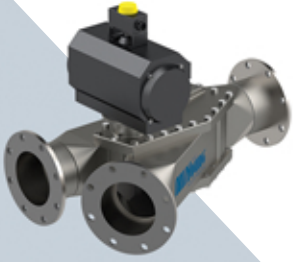
From standard to high pressure and/or high temperature applications, our Drop-Thru Rotary Valves are fully customizable. Different models offer higher throughput capacity, lower headroom, and the largest variety of inlet/outlet options in the industry. We also offer a wide range of rotor types, NFPA compliant valves, and complete refurbishing services, regardless of the original manufacturer or model.

QUICK CLEAN ROTARY VALVES



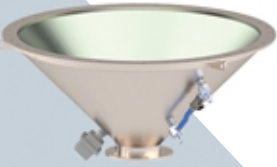
Our Quick Clean Rotary Valves offer a unique cantilevered design with a removable cover for easy access to the valve interior and removal of the rotor which allows complete access to the valve for cleaning. Ideal for the most sanitary applications, requires no tools for complete disassembly of product contact parts, minimizes process downtime, and saves you money. Custom sizes and configurations available.

DIVERTER VALVES



Our Diverter Valves are engineered to reduce your total cost of ownership. These two-way valves for gravity or pneumatic systems are built using high quality materials and modern manufacturing processes which results in longer service life and the industries' lowest air or gas leakage between diverter legs. On most models, maintenance and cleaning can be done without removing the valve from the convey line.

SILENTFLOW BINS



The SilentFlow® Bin Discharger consists of a hopper cone fully lined with TransFlow® fluidization media which distributes and controls low-pressure air or gas. This significantly reduces the coefficient of friction between your bulk material and the cone surface which results in a positive flow of the stored materials; like white pigments, carbon black, and calcium stearate.



BAG COMPACTORS
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POWDERFLOW® BUTTERFLY VALVES



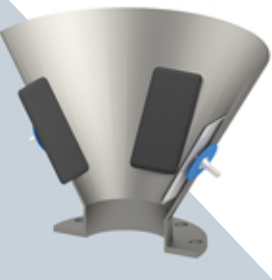
With the PowderFlow® Butterfly Valve, fluidization and conditioning starts in the valve itself. This is the lowest point and best location to stimulate material flow in the process vessel above. The disc of the valve is lined on both sides with TransFlow® fluidization media which promotes material flow without obstructing it.

STINGER® SCREW FEEDERS



When accuracy is a must, our Stinger® Screw Feeders offer unbeatable control handling difficult and/or cohesive materials. These units are suitable for either batch or continuous gravimetric/volumetric feeding. We offer a wide variety of control options with the expertise you need to meet your specific application.

TRANSFLOW® AIR PADS



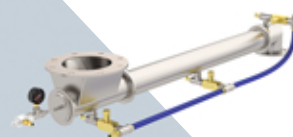
TransFlow® Aeration Pads are used to fluidize fine powdered bulk materials to start and maintain flow out of hoppers, bins, and silos. When added to existing vessels, these pads distribute air or gas uniformly causing positive flow of the stored material. This allows successful handling of materials that have sluggish flow characteristics like lime, flour, soda ash, bran, clay, carbon black, sawdust, detergents, and resins.

GRAVITY BLENDERS



Weight variations in package filling can occur because of product segregation in your material handling system. Thorough blending reduces weight variations for more accurate volumetric filling; reducing overfill and product giveaway by as much as 50%. These units require no energy, need virtually no maintenance, and most have no moving parts. Available in custom sizes and configurations.

STINGER® CONVEYORS



Our patented Stinger Conveyor is the best solution for transferring difficult to handle products. The conveyor works best on products that are cohesive such as pigment, carbon black, talc, clay, stearate, and other similar materials. The conveyor uses TransFlow® technology to precisely control air flow and conditioning which causes the product to move freely. Capable of conveying up to 60,000 lbs./hour.

CONTACT US



+1 (800) 546-3165



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16 Painter Street, Muncy, PA 17756



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PNEUMATIC CONVEYING SYSTEMS



We offer positive pressure, negative pressure, and closed loop Dilute Phase Pneumatic Systems for handling powders, pellets, or granules. Dilute Phase Systems are used when a variety of feed configurations may be required and are almost always used when handling toxic materials to avoid accidental discharge to the atmosphere. When required, step line conveying systems can be employed to provide relatively constant velocities to minimize product degradation. These systems can be designed per NFPA standards for combustible powders.

We also offer dense phase pneumatic systems when low conveying velocity is required. With our Multi-Phase system, degradation of your product is not a concern. You will not get fines, angel hair, or changes in your material's particle size while conveying, even to the furthest destination points. You will not experience surging, hammering, or vibration of your piping and building supports. Once installed, the system will automatically control the start-up and conveying of your product under the various process conditions.

TESTING



We maintain a 9,000 sq. ft. research lab and testing center. The lab is used to provide solutions to customer problems in pneumatic conveying, mixing, blending, size reduction, and air pollution control.

Our facility is equipped with bench testing equipment that can evaluate customer's materials and provide data to our engineers for use in system design. It features a computerized data acquisition and control system that is used to operate and monitor various pneumatic processes. This system logs all the pressures and air volumes that are later used to evaluate performance.

The lab offers a full line of equipment with utilities such as steam, compressed air, water, and electrical. There are also provisions for using nitrogen or inert gas as a conveying media. Please see below for a more complete list of our lab capabilities.

FACTORY ACCEPTANCE TESTING



The Factory Acceptance Test (FAT) is a major project milestone where any equipment or system can demonstrate that it meets the specifications of the customer's system, process, and manufacturing design. The specific tests and inspections that comprise a FAT are determined by the equipment being tested and customer's needs.

Users of process equipment know the trials and tribulations of installing and starting up new equipment. Most processes involve using a combination of components that may require electrical wiring, compressed air, plumbing, dry bulk handling, liquid additions, and PLC controls. Until the equipment is installed and running, it is impossible to work out all the bugs. Installing equipment on site with contractors for electrical, plumbing, rigging, and controls is a delicate balancing act with the end goal to have equipment fully operational by a critical date. The larger the process system the more potential for problems. These problems may be minor, but since contractors are on site and waiting for a fix, many man hours can be lost. Hence the value of the FAT: saving you time and money during installation and start-up.