POWDER HANDLING SOLUTIONS
Our powder handling expertise specializes in pneumatic conveying solutions for powders, granules, and other dry bulk materials. Our primary focus is on solving the transfer needs for various applications across a wide range of industries and integrating equipment and controls to create automated, closed systems. Headquartered in the US, our numerous locations around the world allow DDPS to provide global service for powder handling, utilizing the extensive product lines from our other brands. The end result is a complete transfer solution that can be incorporated into new or existing processes involving:

- Reaction
- Distillation
- Extraction
- Filtration
- Drying
- Containment

Visit www.ddpsinc.com
Call 908.317.2585
Email sales@ddpsinc.com
APPLICATION ENGINEERING

As an initial approach to your project, DDPS powder handling specialists will prescreen your process to assess if pneumatic conveying is a viable solution. This includes a full review of your operation, including your transfer requirements, powder characteristics, and other important specifications. From that point, our team of experts can generate a process flow diagram and rough layout of the system to provide a preliminary recommendation based on your unique requirements.

TESTING & TRIALS

All powders behave differently, so often a transfer test is the best way to size the equipment and design the system. Various testing options are available to ensure your product application will perform to your expectations:

Testing at your Facility
Rent our powder handling equipment and perform your own product tests at a pace that suits you, in the real world of your own production facility. Select Powder Pump sizes are available to you for rigorous testing.

Testing at DDPS Facility in Charlotte, NC
Send us a sample of your product* and we will do a complete product test to confirm it will transfer to your expectations. If you do not wish to be present for the test, you can refer to your documented test results, including details about how successfully the system conveys your material, at what rate, and how much air the process consumes. You can also define additional criteria that are specific to your application.

*Testing is only performed on material that is not extremely hazardous or explosive.
Regardless of whether your powder handling solution is a standard system or a completely customized one, DDPS will work with your requirements to create a solution that is right for your specific needs. Once the fundamentals of the solution have been determined, our powder handling team will provide a concise project execution plan that starts with a detailed P&ID and evolves into a 3D-modeled layout of your system complete with valve, electrical, and instrumentation specifications. This phase of the project involves continuous communication with you to ensure particular process requirements are taken into account.

The engineering plans will be brought to life as our project team handles all of the fabrication and assembly steps. Individual components are built and inspected then brought together in our assembly shop. Temporary wiring is used when possible to check and verify that all controls are working properly. The system is completely assembled prior to shipping to proactively troubleshoot any issues, fix them, and ensure all components function satisfactorily.
Once assembled, we will perform Factory Acceptance Tests on new equipment and systems to enable quicker installation and start-up. These tests allow you to witness a full inspection to ensure that the operation of the system and access to various components are what was anticipated during the design phase. Once the FAT is complete, the system is packaged for safe transfer to your facility.

**FACTORY TESTING**

**INSTALLATION & START-UP SUPPORT**

Once your system is ready for delivery, our team of technicians will work to get it installed and commissioned in your production plant quickly and easily with minimum disruption to your operations. SAT’s are performed after the system is installed with all the permanent wiring, piping and supports are in place. They are typically run with your specific process to further ensure equipment safety and quality. DDPS also provides additional technical support for troubleshooting issues that may arise throughout the lifecycle of your equipment. A global network of service technicians are on call to perform maintenance and repair visits in a timely manner to keep your plant up and running; And if you need any replacement components, we have a variety of spare parts stocked to provide quick delivery and minimize downtime.

**VISIT**
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