

Headquartered in Malvern, PA, with facilities in Pennsylvania and Canada, Delta Ducon has been a trusted provider of bulk material handling solutions for over 100 years. Serving industries such as cement, mining, steel, glass, power, and pulp & paper, the company delivers reliable, USA-made systems designed to optimize efficiency and minimize downtime. Core offerings include Dilute and Dense Phase Pneumatic Transfer Systems, Railcar and Truck Unloading and Loading Systems, Extreme Rotary and KG Diverter Valves, and PERMA/flo Abrasion-Resistant Piping—all engineered for durability in the toughest environments. Delta Ducon's Power Group specializes in ash handling and dry scrubbing injection technology, providing tailored solutions for critical industrial sectors. Continuing its legacy of innovation, the company's SPIRA/flo Pipe reduces angel hairs, streamers, and dust build-up, ensuring cleaner transfers, lower maintenance, and maximum productivity. With a century of expertise, a focus on innovation, and a commitment to customer satisfaction, Delta Ducon stands as a comprehensive solutions partner for material handling challenges worldwide.



Key Products & Technologies:

- △ Pneumatic Conveying Systems
- △ Dilute, Dense Phase and everything in between!
- △ Truck & Railcar Unloading & Loading Systems
- △ Advanced Injection & Line Splitting Technology
- △ Extreme, HD & SHD Rotary Valves
- △ PERMA/flo Abrasion Resistant Pipe & Elbows
- △ PERMA/flo KG Diverter Valves
- △ CICA Conveyor Chain & Accessories
- △ SPIRA/flo Pipe - Stop Angel Hair Now!

EXPERIENCE



Building Products

- △ Roofing Plants
- △ Floor & Ceiling Tile Plants
- △ Gypsum & Wallboard Plants
- △ Insulation & Fiberglass Plants

Delta Ducon is a leading provider of pneumatic conveying solutions for the building products industry. With over 100 years of experience, we have expertise in handling a wide range of materials in the production of roofing shingles, floor and ceiling tiles, gypsum wallboard, fiberglass insulation, leveling agents, caulks & sealants and more. Our systems and equipment are designed to safely and efficiently transport materials throughout your production process, minimizing waste, wear and downtime.



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The manufacturing of floor and ceiling tiles demands precise handling of various aggregates, binders, and fillers. Delta Ducon provides tailored material handling systems that ensure consistent material flow, accurate batching, and reduced breakage for tile production. Our solutions contribute to improved product quality and operational efficiency.

Floor & Ceiling Tile Plants:

- △ Limestone Transfer Systems & Components
- △ Regrind, Trim & Recycle Systems & Components
- △ Weighing & Batching Systems
- △ Process Dust Control Systems & Collector Outlet Rotary Valves
- △ Additive Systems (ie: Clay , Fly Ash, binders, Minerals, Etc...)
- △ Truck & Rail Car Unloading Systems
- △ PERMA/flo Abrasion Resistant pipe & fittings



At Delta Ducon, we understand the critical role of precise material handling in the production of high-performance roofing shingles. Our solutions are designed to manage key components like aggregates, sand and especially limestone filler, which is indispensable for enhancing shingle durability, performance, and longevity.

Key Considerations for Roofing Shingle Manufacturing:

- △ **Limestone Filler's Role:** Limestone filler (calcium carbonate) provides structural integrity and dimensional stability to shingles, minimizing curling, warping, and shrinkage. Its density increases shingle weight for improved wind resistance, contributes to fire resistance, protects asphalt from UV radiation, and enhances mineral granule adhesion. It also serves as a cost-effective material to optimize manufacturing costs.
- △ **Handling Challenges:** Precise control over limestone filler content and distribution is crucial. Improperly processed or excessive filler can reduce shingle flexibility or increase moisture retention.
- △ **Delta Ducon's Solutions:** We provide robust and innovative solutions for the efficient and precise handling of limestone filler, both hot and cold, ensuring seamless integration into your shingle production process. Our capabilities cover the entire material handling lifecycle, from receipt to process integration, minimizing downtime and maximizing efficiency.



ROOFING SHINGLE PRODUCTION

- △ Dilute & Dense Phase Pneumatic Conveying Systems & Equipment for Limestone Filler, Back Surface Aggregate, Sand & More.
- △ Weighing & Batching Systems
- △ Truck & Railcar Unloading Systems
- △ Extreme Duty Rotary Valves
- △ PERMA/flo Abrasion Resistant Pipe & Elbows
- △ PERMA/flo KG Diverter Valves

Why Delta Ducon?

Choosing Delta Ducon means partnering with a reliable company that has the engineering depth, product range, and field experience to optimize your plants' operational requirements. We'll enable you to:

Optimize process conditions / Reduce maintenance costs / Minimize environmental impact / Boost productivity & profitability

Gypsum is a foundational mineral in modern construction, with wallboard (drywall/plasterboard) being its most significant application. Delta Ducon leverages over a century of expertise to provide specialized bulk material handling solutions for gypsum in all its forms, from raw rock to fine powder, ensuring efficiency and quality in wallboard manufacturing.



Gypsum & Wallboard Plants

- △ Dilute & Dense Phase Pneumatic Conveying Systems & Equipment for Natural & Synthetic Gypsum
- △ Weighing & Batching Systems
- △ Truck & Railcar Unloading Systems
- △ Extreme Duty Rotary Valves
- △ PERMA/flo Abrasion Resistant Pipe & Elbows
- △ PERMA/flo KG Diverter Valves



Fiberglass & Insulation

Manufacturing fiberglass and insulation products requires careful handling of raw materials to maintain product integrity and production efficiency. Delta Ducon offers advanced pneumatic conveying systems that are ideal for the delicate and often abrasive materials used in fiberglass insulation production. Our solutions ensure minimal material degradation and a clean production environment.

Insulation & Fiberglass Plants:

- △ Weighing & Batching Systems
- △ Truck & Railcar Unloading Systems
- △ Extreme Duty Rotary Valves
- △ PERMA/flo Abrasion Resistant pipe & fittings

