



2022 DRY BULK MATERIAL HANDLING LINE CARD





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Our team is excited to start serving you!

763-777-9525 • Sales@ApexSolutionsMN.com

WHY WORK WITH APEX?

- Apex is a small, family owned business. Midwestern values are instilled in our employees - we are honest and hardworking people. A portion of Apex's profits are donated to 2 charities: Feed my Starving Children* and Operation Underground Railroad**
- At Apex, we take pride in our “1st to quote. 1st to deliver. **1st in customer service.**” motto. We ensure your ordering process is quick, easy, and accurate.
- We are a full service vendor. That means you can get everything you need in one place.
- The products we distribute are hand selected based on quality and price. Most of our popular products are made in the USA.
- Our team is dedicated to ensuring you have everything you need to be successful. Our knowledgeable staff strives to save your company time and money.



www.fmsc.org

***Feed My Starving Children's** mission is to feed starving children in body and spirit. Hunger is causing nearly half of deaths in children under 5 years old. FMSC believes hope starts with food and is dedicated to work with food distribution partners that stay with communities for the long haul, empowering them to move from relief to development. FMSC meals are developed by food scientists and nutrition professionals to supplement needs and reduce malnutrition.



www.ourrescue.org

****Operation Underground Railroad** exists to rescue children from sex trafficking and sexual exploitation. O.U.R. has made significant impact in the fight to end sex trafficking and sexual exploitation by rescuing and supporting thousands of survivors in 28 countries and 26 US states. O.U.R. works with law enforcement to rescue children, convict predators, provide aftercare for victims, and prevent future tragedies.



AREAS WE SERVE

Are you looking for dry bulk material handling equipment in Minnesota and the surrounding area? Apex Industrial Solutions has you covered! With our experience, the Apex team can effectively evaluate your plant, quickly deliver any equipment you need to work more efficiently, and even travel to troubleshoot any issues you may come across or help you discover areas in need of improvement.

BRANDS PROUDLY MADE IN THE USA



Acrison



BRANDS WE REPRESENT



Safety is for life.™



Dwyer



kason



Acrison



BRANDS WE DISTRIBUTE



INDUSTRIES SERVED



Aggregates



Agriculture



Biomass



Cement



Chemicals



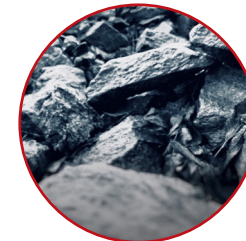
Dairy



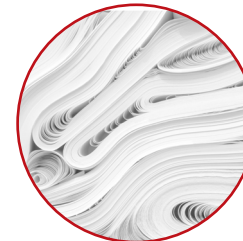
Food



Minerals



Mining



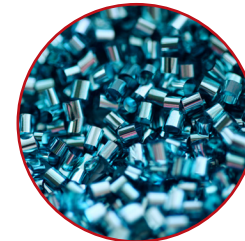
Paper



Pet Food



Pharmaceutical



Plastics



Textile



Waste to Energy

NO MATTER YOUR PROCESS - APEX IS YOUR SOLUTION



PNEUMATIC CONVEYORS

Designed for Bulk Powder
Ideal for Food, Pharmaceutical,
and Chemical Applications

- Different types and sizes available
- Dilute phase conveying
 - Fast transfer entrains product within air stream
 - Ideal for most powders like sugar or flour
- Dense phase conveying
 - Slower transfer carries product in slugs
 - Ideal for friable products or a blend of powders
- Available in USDA sanitary design
- Convey distances ranging from 10 ft "up and in" to 100 ft
- Save injury costs - eliminate the need for heavy lifting, scooping, and climbing
- Convey 500 lbs - 5000 lbs per hour

VOLUMETRIC FEEDERS

Designed for Granular or Pelletized Products
Ideal for Food, Pharmaceutical,
and Industrial Applications

- Ideal for free flowing materials such as grass seed, coffee beans, and more
- Variety of auger volumetric feeders to handle all types of dry solid materials
- Lowest maintenance requirements in the industry
- Effectively measures and discharges materials
- Feed rates from 0.0012 Ft³ - 3400 ft³ per hour
- Long-term durability with minimal maintenance
- Self-emptying design for easy clean out
- Sanitary construction to comply with USDA and FDA codes and requirements
- High temperature and pressure construction
- Various AC and DC variable speed motor controllers and control modes available



AERO-MECHANICAL & FLEXIBLE SCREW CONVEYORS

Designed for Bulk Powder
Ideal for Food and Industrial Applications

- Multi-plane versatility
- Works around corners
- Operates at angles from 0° - 180°
- Variety of conveying speeds - high, low, and variable
- Bulk densities from 5 lbs - 200 lbs per ft³
- Particle sizes from 5 microns to 1/2"
- Works with powder properties from free flowing to cohesive
- Create a system ranging from 10' - 120'
- Low operating cost - small motor, no high pressure air, no filters to maintain
- Available in carbon steel, 304, or 316 stainless steel
- Stainless steel can be bead blasted, brush finished, or mirror polished
- Stainless steel or aluminum tubing



Size of Aerocon Units		
Machine Size	Capacity	Motor Size
3"	Up to 10 ft³/min	2 or 3 HP
4"	Up to 20 ft³/min	3 HP

Handles Particles More Gently Than Pneumatic Conveying!
Engineered to result in less particle degradation and less conveyor wear.



Acrison

Ask Us About
Lifetime
Calibration
763-777-9525

LOSS-IN-WEIGHT FEEDERS

Designed for Dry Solids
Ideal for Food, Pharmaceutical,
and Industrial Applications

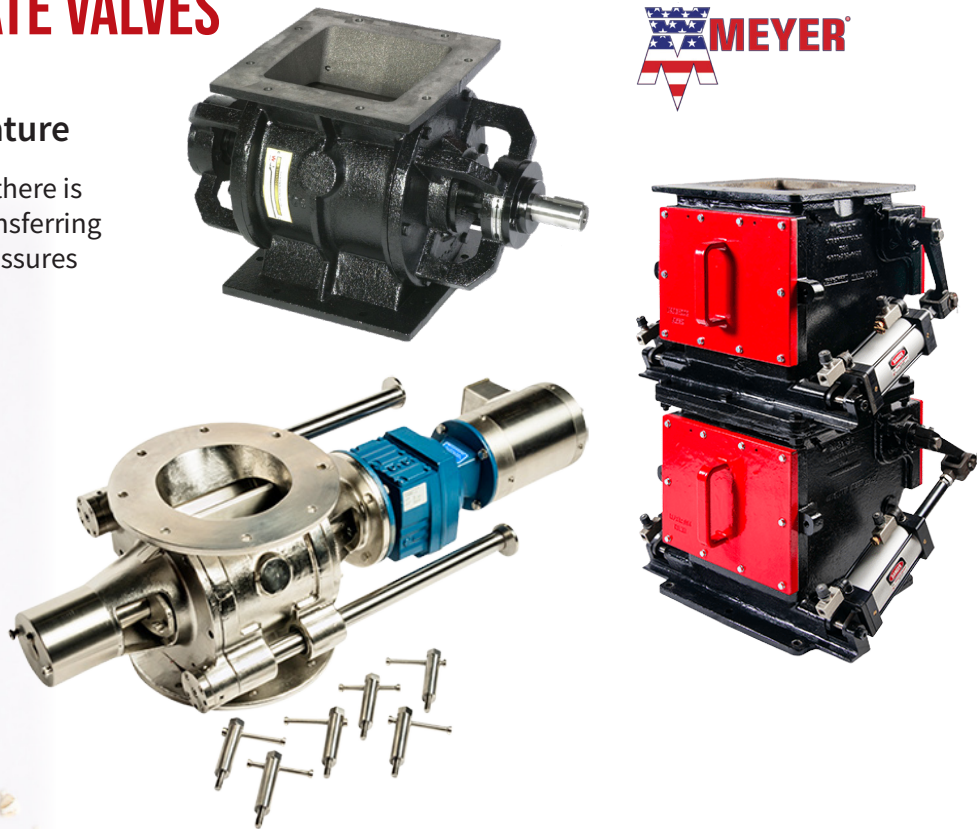
- Precise and highly dependable method for continuous metering by weight
- Globally recognized, permanently calibrated, adjustment-free weighing system
- 5-year guarantee on the weighing mechanisms
- Accuracies down to 0.25%



ROTARY & DOUBLE FLAP GATE VALVES

Designed for Bulk Powder
Ideal for Abrasive and High Temperature

- Used in a wide range of applications where there is a need to minimize system air loss while transferring materials between vessels with differing pressures
- Meter the flow of materials between vessels
- Can perform double duty in systems where there is a need to minimize system air loss while regulating the flow of materials between vessels with differing pressures
- NFPA 69 & 68 compliant - approved valves keep your plant personnel safe



Metal Detection

MAGNETS & METAL DETECTORS

Maintain Product Integrity - Prevent Downstream Destruction of Critical Process Equipment

- Uses magnets to capture and retain ferrous and non-ferrous metal contaminants from materials
 - The magnets attract and hold contaminants passing over or near the separator
 - The captured contaminants then accumulate on the separator
 - The contaminants are then cleaned off either manually or automatically
 - Capture stainless steel from your process with rare-earth magnets
- Tube Magnets
- Grate Magnets
- Plate Magnets
- Drawer Magnets
- Chute Magnets
- Free-Flow Magnets
- Magnetic Rotary Feeders
- Pneumatic Line Magnets
- Inline Pneumatic Drawer Magnet
- Inline Pneumatic Plate Magnets
- Pneumatic Tube Magnets



Not a Kason?
No problem!
In-Stock Screens Are Interchangeable With All Major Brands

SCREENERS

Designed for Conveyors
Ideal for Food, Dairy, Industrial, and Pharmaceutical Applications

- Ensure your product is free from unwanted by-product and contaminants that can affect the overall quality
- Works with solids, powders, and slurries
- Gravity fed or in-line pneumatic models available
- Single or multiple screening decks
- One or two imbalanced-weight gyrator motors
- 18" - 100" diameter screeners available
- High-efficiency, high-capacity low-profile sifters
- Quick change/quick clean screeners
- Internal recycle high-capacity screeners
- Variety of styles available: Sanitary Vibratory Screeners, Low-Profile Screeners, Ultrasonic Screeners
- All in-stock screens are interchangeable with all major brands

SIFTERS

Designed for Powder and Granular Materials
Ideal for Industrial, Chemical, Food, Beverage, Distillery, Waste Removal, Pharmaceutical

- Sift, scalp, de-lump, and de-water virtually any bulk solid or slurry
- Available in many configurations designed to solve specialized problems and continuously deliver a high performance
- Gravity-Fed or In-Line Pneumatic Conveying Systems
- Dust-Free, Sanitary Operation
- Easy Clean Out
- Quiet, Vibration-Free Action
- Quick Screen Changes
- Rapid Sieving Action
- Double Seal Outboard Bearings
- Single or Twin Models
- Heavy-Duty Construction for Batch or Continuous Operation





BLOWERS

Designed for Powders and Granules
Ideal for Loading and Discharging

- Blowers available in a variety of sizes and styles for any size plant and any kind of materials up to 200 HP
- Maintain proper ft³/min of air flow for conveying your specific materials
- Simple operation - low maintenance
- Automated - blower system moves your product so you don't have to
- Easy to install
- Quiet operations
- Wide range of operating speeds available
- High-pressure capabilities
- Direct drive blowers are at least 10% more energy efficient

DUST COLLECTION & FANS

Designed for Powder and Dust

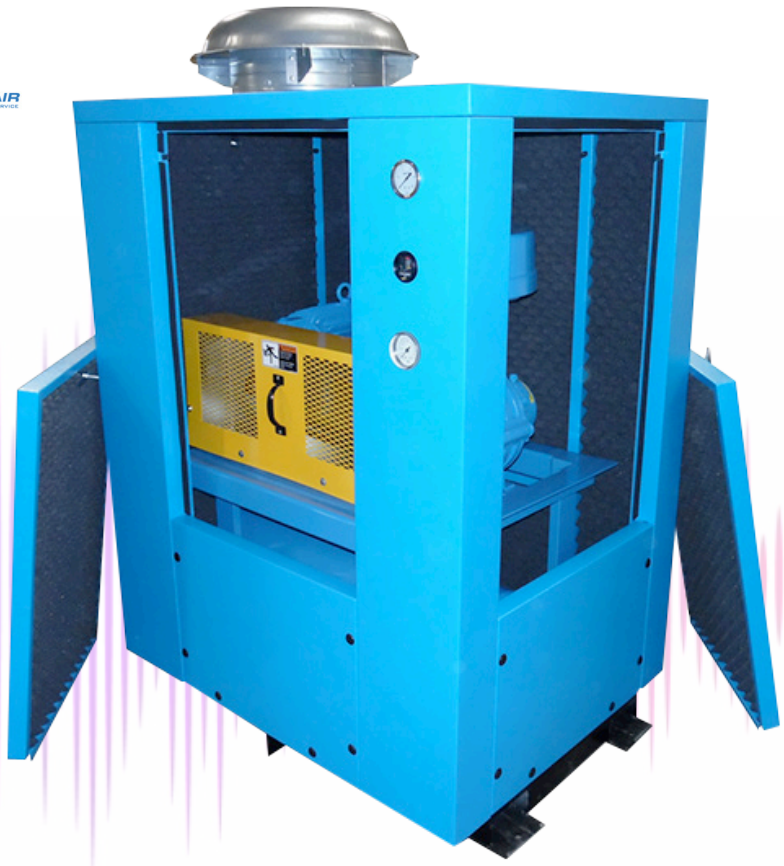
- Draw contaminated air through a series of filter media until it's clean
- Keep your employees safe - safely handle potentially dangerous dust
- Ensure your equipment functions properly by removing dangerous dust from the environment
- Variety of sizes available to meet your required airflow needs
- Release filtered air back to the work environment or exhaust it outside
- Minimize planned shutdown timelines
- Reduce maintenance, repair, and operations spending on dust filtration
- Efficiently utilize energy for fans and compressors
- Easiest filter replacement with slide out rail system



SOUND ENCLOSURES

Designed for Use with Blowers

- Significantly lower the dBA from your blower
- Ideal for plants located in areas with noise ordinances in place
- Multiple sizes and styles available
- Ventilation
- Weather proof
- Access doors for quick and easy maintenance
- Promote employee safety
- Maintain OSHA designated dBA levels



FILTERS, BFM® FITTINGS, TUBING, AND PIPING

Designed for All Materials
Ideal for Feeders, Conveyors, Dust Collectors, Fans, and Blowers

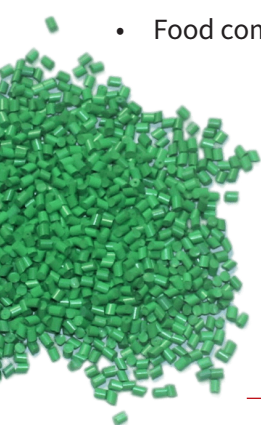
- Tubing and piping can be cut to desired length - compatible hose fittings can be added on the ends of the hoses to connect them to equipment
- Variety of sizes and styles of tubing and piping available
- Tubing and piping has ability to handle abrasive materials
- Filters trap unwanted airborne material that runs through blowers
- Filters are easy to install and replace



SPECIALTY VALVES & MATERIAL HANDLING

Designed for All Materials
Ideal for Any Industry

- Control the flow rate of bulk materials according to your needs
- Large variety of special valves and material handling specialties to fit your specific materials
- Eliminate common discharge flow problems like caking or compacting
- Easy to fit and install
- Able to withstand heavy use with little maintenance
- Food compliant models available



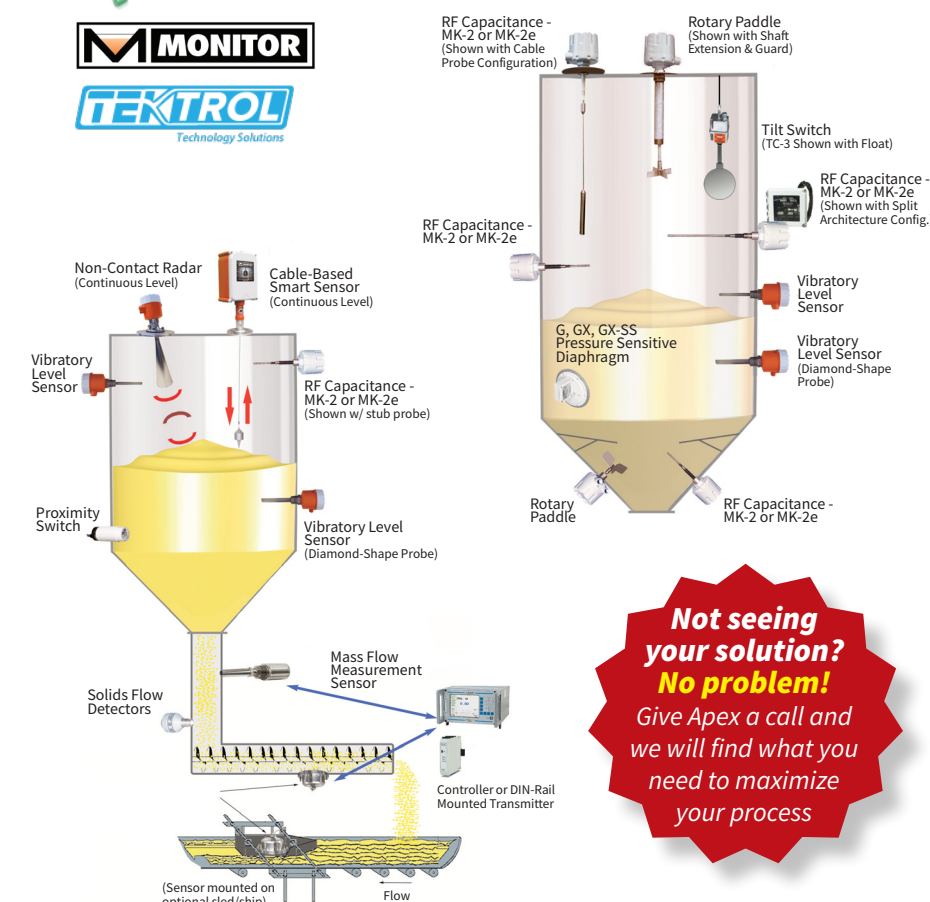
INDUSTRIAL VACUUM CLEANING

- Keep your plant clean with a high volume recovery of material
- Collect and discharge powders in a safe, dust-free, and convenient way
- Reduce worker exposure to collected dust
- Portable and stationary house vacuums available
- Venturi powered pneumatic
- Explosion proof options available - both pneumatic and electric
- Self dump hoppers
- Intercept 55 gallon covers
- Self bagging units
- Lithium ion battery powered units available
- Ask Apex how we can help keep your plant in compliance with OSHA silica and combustible dust standards



**Need OSHA Compliance?
Ask Apex!**

Ask how we can help keep you in compliance with OSHA silica and combustible dust standards



LEVEL DETECTION & INSTRUMENTATION

- Instrumentation provides real-time measurement and control of process variables such as levels, solids flow, pressure, temperature, dustiness, and humidity
- Level detectors measure flow, temperature, levels, distance, angle, or pressure
- Maximize output while minimizing cost
- Large variety of instruments and detectors available
- Accurate and reliable for even the most difficult-to-measure materials
- Clear and easy to understand readings
- Measure multiple vessels at a time
- Variety of outputs available
- Non-contact and contact level
- Continuous and point level options
- Temp-pressure and flow available



EXPLOSION PROTECTION

Designed for Pressure Relief
Ideal for All Industries

- Provide Operational Safety for Your Plant
- Rupture Discs
- Signaling
- Breather Valves
- Explosion Vents
- Explosion Doors
- Flameless Venting
- Isolation
- Ground Monitoring
- Grounding Clamps
- Grounding Reels
- And More

PREVENT EXPLOSIONS VIA

CONFINEMENT FUEL OXYGEN DUST DISTRIBUTION IGNITION SOURCE

MAKE SURE YOUR TEAM GETS HOME SAFE!

Apex is your complete source for engineered solutions to dry bulk material challenges. From the moment your dry bulk product arrives at your plant, we have the solutions to help you convey it, classify it, feed it, store it, and verify its integrity. **Trust Apex** with all of your material handling needs.

Call us or visit our website to get started on your next project!



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