From Harvest to Storage

Built Fast. Built Right

Master Catalogue 2026

Tectra Systems

Tectra Systems designs and supplies cost effective grain, feed, produce, and agricultural facility systems built for real farm and commercial operations. We are not a dealer selling fixed packages. We engineer site specific systems designed around throughput, traffic flow, expansion plans, and real capital budgets using flexible, globally sourced equipment to control total project cost without sacrificing performance.

WHY OPERATIONS WORK WITH TECTRA

- **Application-driven system design-** layouts based on how material actually moves, not catalog diagrams
- **Cost-focused equipment selection-** brand–agnostic sourcing to control capital spend
- **Site layout & traffic planning-** truck flow, cleanout, access, and future expansion considered upfront
- **Modular, expansion-ready systems-** build now, scale later without ripping out infrastructure
- **Support for new builds and retrofits-** from greenfield sites to aging systems that need fixing, not replacing

Our goal is simple: provide the equipment farmers need to grow, expand, and stay competitive without compromising financial stability.

Warranty

Equipment supplied by Tectra Systems is covered by a standard one year manufacturer's warranty against defects in materials and workmanship under normal operating conditions.

Warranty coverage is subject to proper installation, operation, and routine maintenance in accordance with manufacturer guidelines. Coverage terms may vary by product and supplier.

Extended warranty options may be available on select equipment and can be supported through product specific coverage plans or service agreements, where applicable.

Contents

Grain storage systems designed for real farm conditions.
These systems are built to protect grain quality, reduce handling losses, and control long term ownership cost from harvest through delivery. Configurations range from individual farm bins to high-capacity commercial installations, with scalable designs that support expansion without rework. Heavy gauge construction, proven aeration layouts, and engineered roof and wall systems deliver dependable performance in high wind, heavy-snow, and extreme temperature environments.

Storage packages can be configured with stiffened wall systems, engineered roofs, roof vents, interior and exterior ladders, and ground level access doors. Aeration options include full floor or partial-floor systems sized to crop type and airflow requirements.

Integrated unload options including centre sumps, vertical unloads, and conveyor or auger interfaces allow clean integration with existing handling systems and future upgrades.

Why Producers Choose This System

- Engineered for Western Canadian winters and high wind regions
- Scalable capacity to support staged expansion
- Aeration and ventilation options matched to crop and storage duration
- Compatible with auger, belt, and drag conveyor unload systems

Systems are configured to balance upfront cost, operating efficiency, and long term durability avoiding overbuilt or under specified packages

Farm Grain Bins

Diameter	Bushel Min	Bushel Max
18	2,643	7,967
21	3,429	10,922
24	4,580	14,366
27	7,693	18,309
30	9,655	22,762
33	11,874	27,732
36	14,357	33,321
42	20,160	45,848
48	27,138	60,690
54	36,034	86,511
60	45,772	108,088

Commercial Grain Bins

36	31,457	78,219
42	42,816	102,758
48	55,924	140,671
54	70,778	186,134
60	87,379	231,052
66	105,728	281,096
72	125,858	336,349
75	136,531	365,944
78	147,671	396,870
90	196,604	534,050
105	267,600	709,790
132	422,918	1,022,336

High-Flow Smooth Wall Storage for Grain, Fertilizer & Fine Products
Smooth wall bins are designed for clean discharge, reduced hang ups, and longterm corrosion resistance in high-throughput farm and commercial applications.

Key Design Features

- Smooth interior walls for complete clean out
- 40° and 45° hopper angles for consistent flow
- Heavy gauge welded steel construction
- Corrosion resistant interior and exterior coatings

Discharge & Configuration Options

- Slide gates and rack-and-pinion gates
- Spouting adapters and sealed dust tight transitions
- Skid frames, leg kits, or custom structural bases
- Aeration plenums, roof vents, exhaust ports, and level indicators

Diameter	Angle	Min Metric Tons	Max Metric Tons
5	60	1.8	6.1
7	45	60	188
16	40	79	249
18	40	104	319
20	40	177	398
12	45	26	122
14	45	60	188
16	40	79	249
18	40	104	319
20	40	177	398

Why Producers Choose This System

- Clean, full discharge with minimal residue
- Compatible with augers, conveyors, and spouting systems
- Long life corrosion protection for fertilizer and fine grains
- Modular construction keeps install time and project costs controlled
- Lower maintenance cost versus corrugated bins

Panel Silo Storage

Panel silos offer high capacity, modular storage with rapid installation and excellent long term durability. Designed for both agricultural and industrial applications, these silos provide cost effective bulk storage with superior resistance to corrosion and contamination.

Available with glass fused, epoxy coated, stainless steel, or galvanized liners, panel silos feature smooth, non-porous surfaces that prevent moisture ingress, mold growth, and product residue. The modular bolted design simplifies transport and site assembly, reducing installation time. Built to withstand abrasion, impact, and extreme weather, these silos offer capacities exceeding 2.6 million gallons (283,775 bu) with a service life of 30+ years. Optional accessories include access doors, roof walkways, mechanical aeration, and integrated load-out transitions.

Application	Liner	Max Capacity
Liquid/ Chemical	Glass	264,172 Gal
Grain/Food/Liquid	Epoxy	264,172 Gal
		283,775 Bu
Fertilizer/Food/ Liquid/ Chemical	Stainless Steel	264,172 Gal
		283,775 Bu
Grain/Liquid	Galvanized steel tanks	264,172 Gal
		283,775 Bu

Why Producers Choose This System

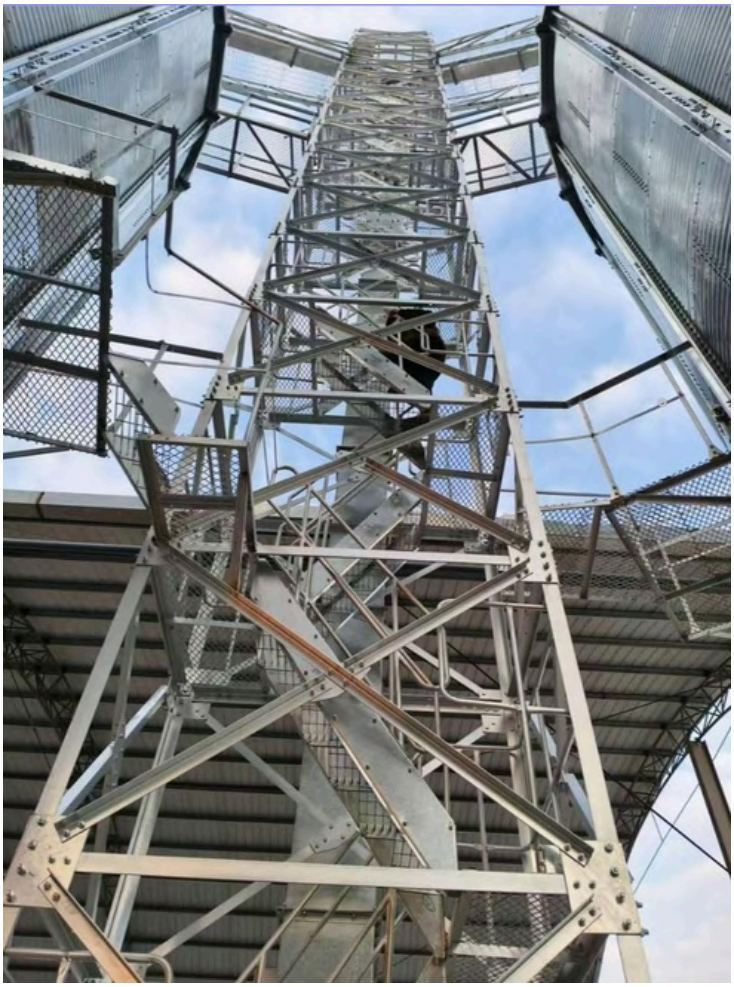
- Excellent corrosion resistance for fertilizer and corrosive materials
- One of the lowest long term cost per bushel storage options
- Fast installation reduces downtime and construction costs
- Smooth interior protects product integrity
- Configurable for grain, feed, fertilizer, liquids, and industrial use

Towers

Towers provide a structurally sound, high access platform for supporting bucket elevators, distributors, catwalks, and material handling equipment. Engineered for heavy loads and continuous operation, they ensure safe access, efficient maintenance, and reliable performance in both farm and commercial grain handling environments.

Available in a range of heights and footprints, towers feature hot dip galvanized steel construction for maximum corrosion resistance and long term durability. Modular bolt together designs enable efficient onsite assembly and straight forward integration with existing equipment layouts. Systems can be configured with switchback stairways, service platforms, safety railings, cage ladders, and wrap around decks to support maintenance access and operational workflows.

Top platforms can be customized for distributor mounting, head service, inspection areas, catwalk transitions, or equipment tie ins. Structural designs meet or exceed industry standards for wind loads, vibration, and live loads associated with elevator operation.



Why Producers Choose This System

- Fast, safe access to bucket elevator heads and distributors
- Long life galvanized construction reduces maintenance
- Modular design simplifies transportation and installation
- Engineered to handle heavy loads and continuous operation
- Integrates cleanly with catwalks, conveyors, and existing site layouts

Bucket Elevators

Bucket elevators deliver high capacity vertical handling for grain, fertilizer, and bulk commodities, providing reliable throughput and consistent performance in both farm and commercial installations. Designed for continuous duty operation, these systems ensure dependable material flow with minimal maintenance.

Elevators are built from galvanized steel or stainless steel for long term corrosion protection and durability. Standard features include inspection doors, reinforced head and boot sections, and explosion relief ports for enhanced safety. Trunking is available in multiple gauges and configurations, with precision formed seams for strength and alignment.

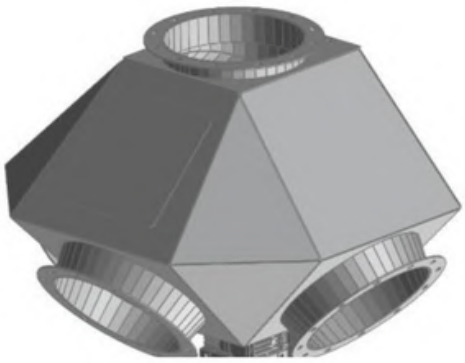
Drive assemblies and pulley configurations can be customized to meet capacity requirements. Systems include a full range of buckets, belts, pulleys, and hardware along with the option to supply a secondary set of bearings to keep downtime to a minimum during peak season.

Replacement trunking, head components, belts, buckets, and hardware can be supplied independently for rebuilds or upgrades.

Why Producers Choose This System

- Heavy duty galvanized construction for long service life
- High capacity handling for modern grain systems
- Explosion relief and inspection access improve safety
- Replacement trunking and components available for fast repairs
- Secondary bearing sets ensure uptime during harvest critical periods

Distributors provide controlled, accurate routing of grain and bulk products between multiple handling lines. Designed for smooth internal flow and dependable sealing, these systems ensure efficient load out, reduced spillage, and reliable operation across a wide range of handling capacities.



Units are available in multiple outlet configurations, with adjustable or fixed spout options to match specific site layouts. Constructed from galvanized or stainless steel, distributors feature smooth internal transitions for consistent flow and reduced grain damage. Options include manual, electric, or pneumatic actuation, sealed bearings, spout adapters, and easy access service doors.

Distributors can be integrated with bucket elevators, conveyors, spouting networks, and automated systems, with custom flange patterns and outlet angles available for retrofit or new build applications. Heavy duty rotary seals and precision machined components provide long service life and accurate position control.

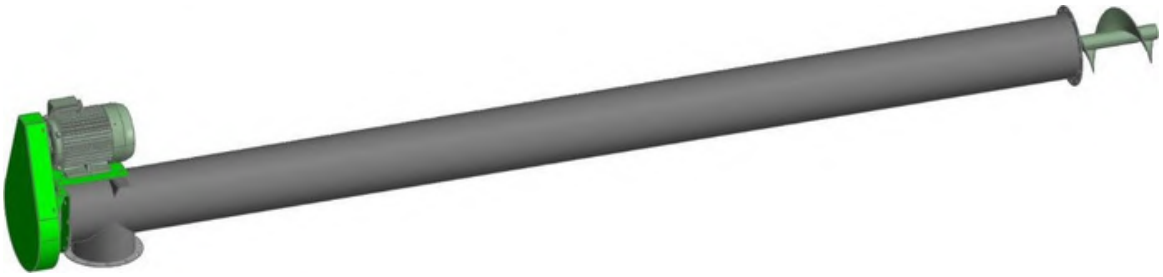
Why Producers Choose This System

- Accurate product routing to multiple bins or handling lines
- Smooth internal flow reduces wear and grain damage
- Multiple actuation options for manual or automated systems
- Heavy duty construction for continuous, high capacity operation
- Configurable outlets and angles for any site layout

Augers deliver reliable, high capacity transfer of grain and dry commodities across farm and commercial handling systems. Designed for efficient operation, clean flow, and easy serviceability, they provide versatile loading and unloading performance for virtually any layout or working environment.

Available in multiple diameters from 6" to 16", augers can be configured as portable, swing away, hopper bottom, or fixed installations. Drive options include electric, PTO, or hydraulic, with standard and heavy duty flighting profiles to match throughput and wear requirements. Systems can be supplied with replaceable inlet boots, adjustable discharge spouts, sealed bearings, reinforced flight tubes, and low maintenance drive assemblies.

Augers integrate easily with bins, hoppers, conveyors, and load out systems. Custom lengths, transitions, intake hoods,
and adapters are available for new builds or retrofit installations.



Why Producers Choose This System

- Versatile configurations for any site layout
- Multiple drive options to match equipment on hand
- Heavy duty flighting and components extend service life
- Reliable transfer with minimal grain damage
- Easy to service, repair, and integrate into existing systems

Bin Sweeps

Bin sweeps provide efficient, controlled clean out of flat bottom bins, reducing manual labor and minimizing downtime during unloading. Designed for consistent performance and dependable operation, they help maintain grain quality and improve overall handling efficiency at any scale.

Systems are available in paddle, u-trough, and heavy duty commercial configurations to suit bin size, product type, and capacity requirements. Options include powered and semi-powered sweeps, torque control assemblies, high wear flighting, replaceable wear shoes, and reinforced sweep heads.

Sweeps can be equipped with adjustable flow control, hydraulic or electric drives, and centre sump adapters for direct integration with existing unload systems. Commercial duty units offer heavier construction, higher torque ratings, enhanced guarding, and continuous duty performance for large operations.

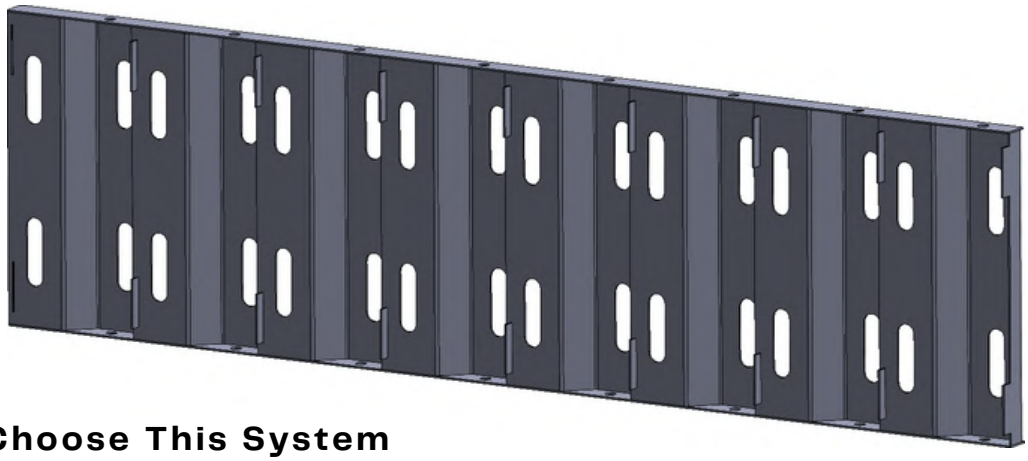
Why Producers Choose This System

- Complete floor to wall clean out with minimal manual work
- Heavy duty components extend life and reduce downtime
- Integrates easily with current unload systems
- Multiple configurations for farm and commercial bins
- Improves unloading speed and protects grain quality

Aeration flooring supports uniform airflow, moisture control, and safe long term grain storage. Built for high strength and consistent performance, these floors help maintain grain quality while providing the structural reliability needed for modern bin systems.

Floors are constructed from 14-gauge galvanized steel and supported by a galvanized truss system engineered to prevent deflection or collapse even when fans operate without grain load. Perforation sizes from 0.050" to 0.094" ensure optimal airflow across a wide range of commodities, from canola and small seeds to corn and high volume grains.

Available in full floor or partial floor configurations, systems can be tailored with adjustable support legs, sweep access points, removable panels, and transition kits for integration with unload equipment. Reinforced panels and corrosion-resistant materials provide long service life with minimal maintenance.



Why Producers Choose This System

- Strong, stable design supports safe aeration under all load conditions
- Optimized perforation for a wide range of crops
- Modular flooring makes installation and service straightforward
- Works with all common sweep and unload systems
- Long lasting galvanized components reduce ownership cost

Belting and lagging components ensure efficient, reliable operation of bucket elevators and conveyor systems. Built to handle continuous duty material movement with minimal stretch, wear, or slippage, these products are essential for keeping through put high and downtime low during critical operating windows.

Elevator belts are available in solid woven, rubber, Buna-N, oil resistant, and static conductive compounds to match material type, capacity, and environmental conditions. Belts can be supplied predrilled in standard or custom hole patterns, with splice options including plate fasteners, overlap splices, butt splices, and clamp splices. Food grade belts are available in both rubber and thermoplastic for direct contact applications.

Lagging options include urethane, metal backed urethane, and ceramic tile for improved traction, reduced slippage, and enhanced belt alignment. Buckets, bolts, pulleys, chain, and hardware packages can be matched to belt specifications for new installations or rebuilds.

Why Producers Choose This System

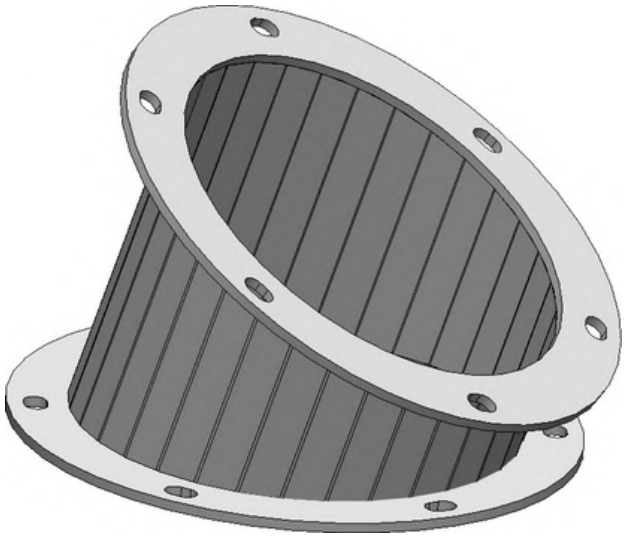
- Low stretch, trouble free operation under high load
- Wide range of compounds for grain, fertilizer, and specialty products
- Multiple splice and hole pattern options for fast installation
- Food grade and abrasion resistant options available
- Durable lagging improves traction and reduces longterm wear

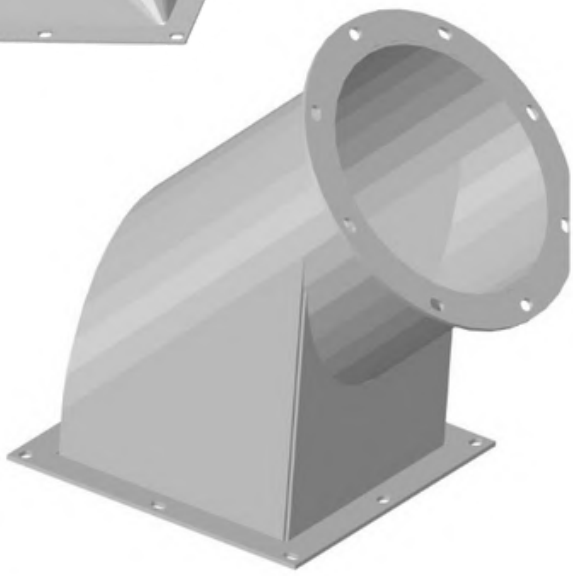
Elbows

Elbows provide precise directional changes within grain handling systems, ensuring smooth product flow between bins, conveyors, distributors, and unload equipment. Designed for durability and versatility, they accommodate a wide range of installation layouts and capacity requirements.

Elbows are available in round adjustable, fixed square, and 5-piece adjustable square designs to match both new and retrofit spouting configurations. Adjustable models allow fine tuning of angles during installation, while fixed elbows offer a rigid, longterm solution for stable flow paths.

Units can be supplied in mild steel, galvanized, or stainless steel, with optional abrasion resistant liners for high wear or high velocity applications. Standard flange patterns match common spouting systems, and custom radii, angles, and flange configurations can be manufactured to suit tight clearance or complex layouts.





Why Producers Choose This System

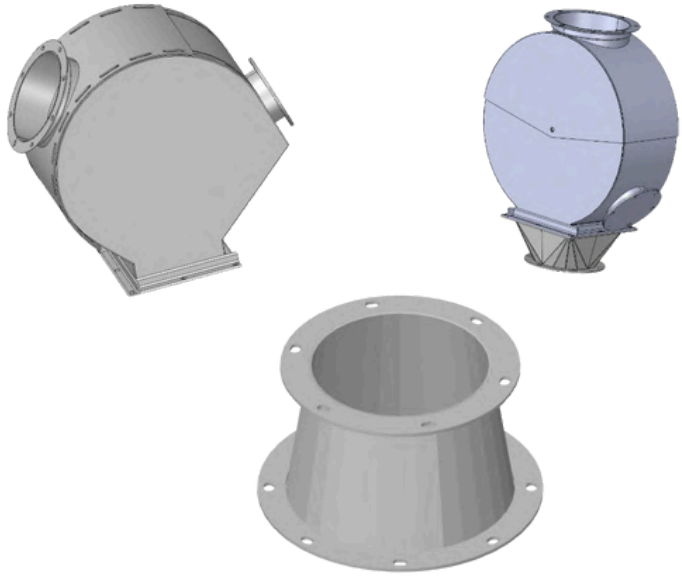
- Adjustable configurations simplify installation and alignment
- Heavy-duty steel construction for long service life
- Smooth internal flow reduces wear and product damage
- Multiple material and liner options for abrasive products
- Compatible with all standard spouting, conveyors, and bin setups

Transitions & Cushion Boxes

Transitions and cushion boxes are engineered to manage directional changes and vertical drops within grain handling systems while preserving product quality and reducing equipment wear. Built for smooth flow and controlled impact, these components help maintain consistent throughput in high capacity operations.

Transitions are available in round, square, and rectangular configurations, with custom tapers, offsets, and flange patterns to integrate cleanly with bucket elevators, conveyors, distributors, and bin inlets. Units can be manufactured in mild steel, galvanized, or stainless steel, with optional abrasion resistant liners for high wear commodities.

Cushion boxes use internal baffles and controlled-flow chambers to dissipate grain velocity during vertical drops, reducing kernel damage and minimizing dust creation. Options include inspection doors, adjustable flow vanes, sealed housings, and various liner materials suited to abrasive or fragile products.



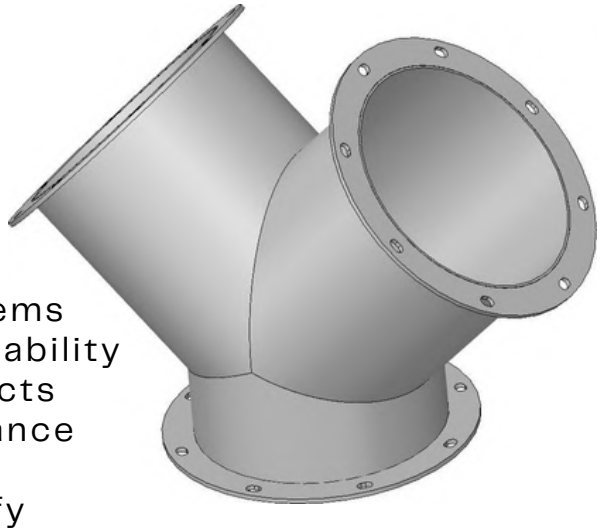
Why Producers Choose This System

- Reduces product damage during vertical drops
- Smooth flow transitions improve system efficiency
- Heavy duty construction withstands continuous operation
- Custom tapers and flange patterns simplify retrofit work
- Lined options extend equipment life and reduce maintenance

Branches and deadstops provide controlled flow direction and isolation points within grain handling systems, ensuring precise routing and dependable shutoff capability during operation or maintenance. Designed for high capacity environments, these components deliver consistent performance and reliable flow control.

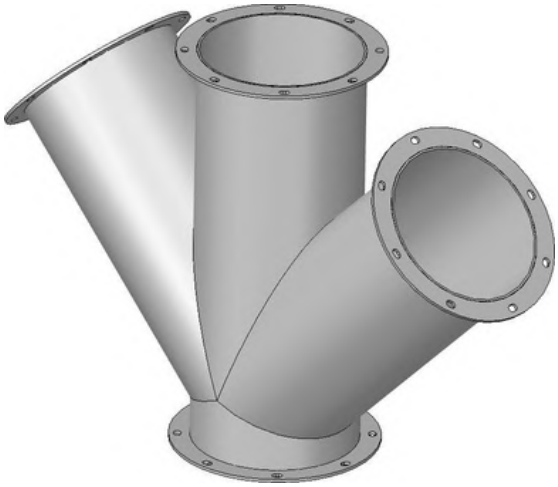
Branches are available in round, square, and rectangular configurations, with fixed or angled outlets to match layout requirements. Units are constructed from heavy-gauge mild steel, galvanized steel, or stainless steel, with optional abrasion-resistant liners for high-wear commodities.

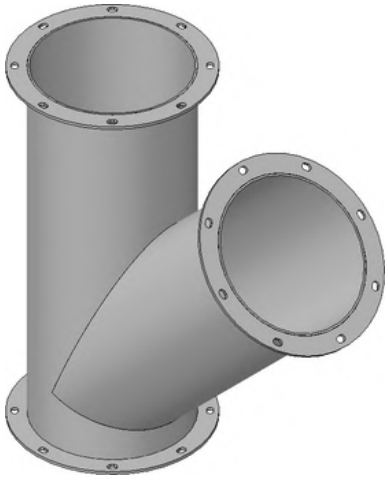
Deadstops provide positive shutoff and flow isolation, ideal for maintenance access or selective routing. Options include inspection ports, access panels, reinforced mounting flanges, and various outlet angles (30°, 45°, 60°, 90°) to match spouting geometry. All units are built to integrate cleanly with conveyors, elevator discharge lines, and bin systems.



Why Producers Choose This System

- Accurate flow diversion for multiline systems
- Heavy duty construction for long term durability
- Lined options available for abrasive products
- Reliable shutoff and isolation for maintenance operations
- Custom angles and flange patterns simplify installation

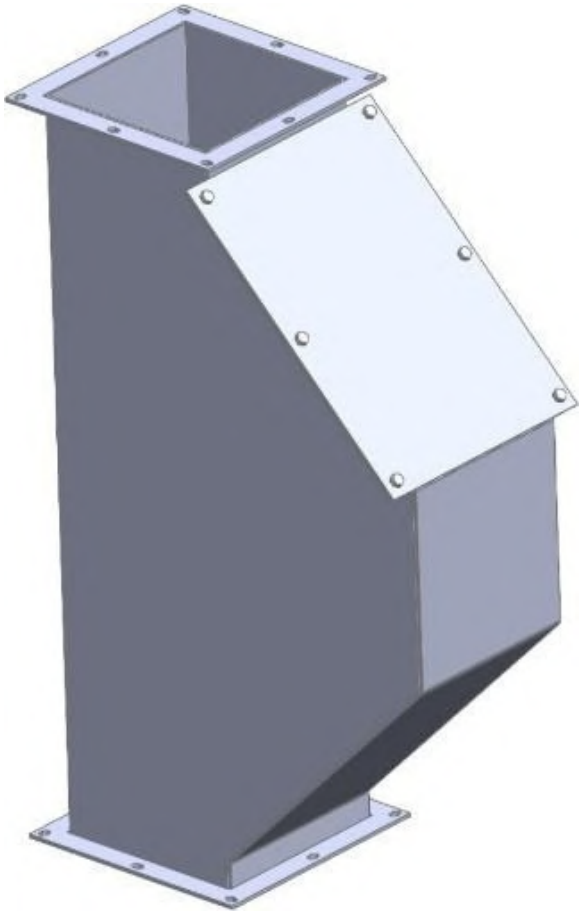




Drop Flow Retarders

Drop flow retarders reduce grain velocity in vertical spouting to minimize kernel damage, dust generation, and wear on downstream equipment. Internal vanes or baffle style chambers create controlled turbulence, allowing fragile commodities to enter conveyors, distributors, or cushion boxes at manageable speeds.

Units are available in a wide range of diameters, heights, and inlet/outlet configurations to fit both new installations and retrofit applications. Construction options include mild steel, galvanized, and stainless steel, with abrasion resistant liners available for high velocity or high wear products. Custom flange patterns, inspection doors, and adjustable baffle designs can be supplied to meet specific handling requirements.



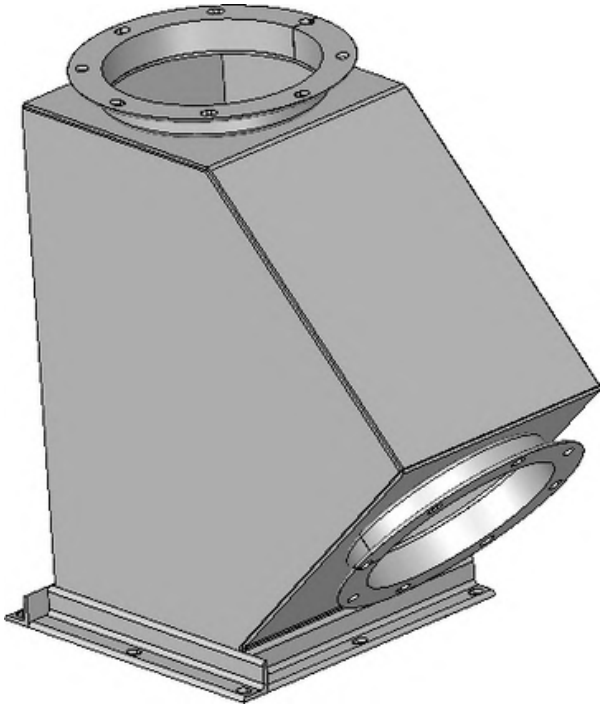
Why Producers Choose This System

- Reduces kernel damage during high vertical drops
- Lowers dust generation and equipment wear
- Works with existing spouting and handling systems
- Heavy duty construction for long term reliability
- Configurable sizes for both farm and commercial capacities

Valves provide precise flow control and reliable product routing within grain handling systems. Built for high capacity operation and consistent sealing performance, they support both manual and automated setups in demanding agricultural and industrial environments.

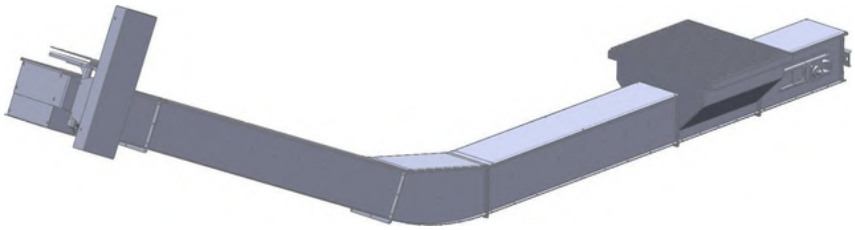
Available in 2-way, 3-way, and diverter configurations, valves can be supplied in mild steel, galvanized, or stainless steel, with optional abrasion resistant liners for high wear materials. Actuation choices include manual lever, pneumatic cylinder, or electric actuator for integration into automated systems.

Units are built with airtight sealing surfaces, reinforced housings, and precision machined components to ensure accurate positioning and minimal leakage. Custom flange patterns, diameters, and throw angles allow seamless integration with existing spouting networks, conveyors, and elevator discharge lines.



Why Producers Choose This System

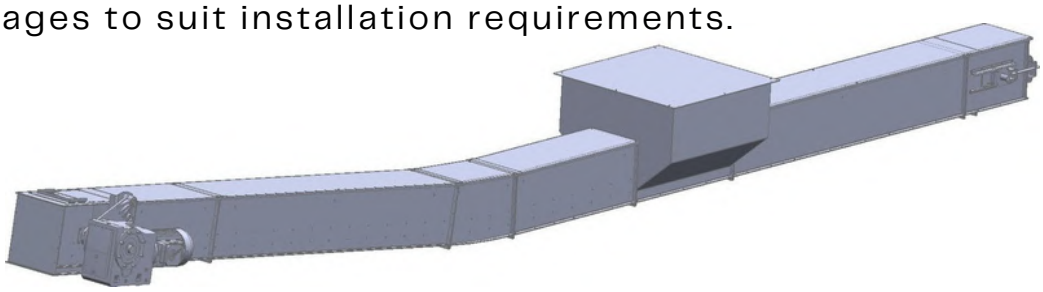
- Reliable flow control for multi-line routing
- Manual, pneumatic, and electric actuation options
- Heavy duty design for continuous duty performance
- Lined versions available for abrasive materials
- Compatible with all standard spouting layouts



Belt and drag conveyors provide reliable, high-capacity horizontal transfer for grain, fertilizer, and bulk commodities. Engineered for smooth flow, low grain damage, and long service life, these systems support efficient load out, receiving, and in line handling across both farm and commercial operations.

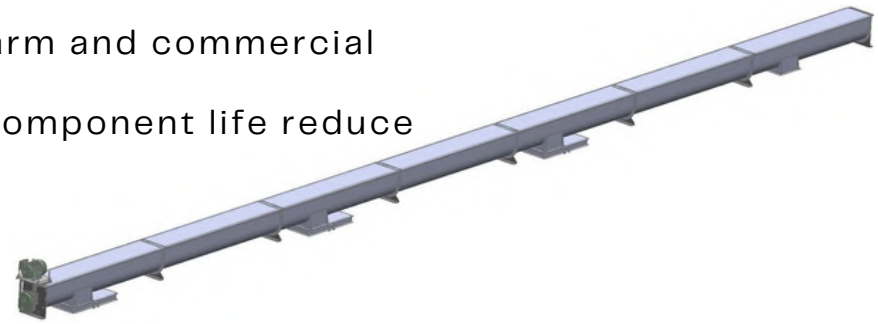
Belt conveyors are available in multiple widths and capacities, offering gentle handling for fragile products and long-distance runs. Configurations include troughed idlers, flat slider beds, enclosed designs, and custom discharge options. Drives can be electric or hydraulic, with adjustable take-ups for proper belt tracking.

Drag conveyors deliver heavy-duty performance in horizontal or incline applications. Features include reinforced troughs, UHMW wear liners, formed paddles, drop bottom clean outs, and sealed housings for dust control. Both conveyor types can be supplied with galvanized or painted finishes, heavy-duty bearings, custom inlet hoods, transitions, and full drive packages to suit installation requirements.



Why Producers Choose This System

- Reliable, high capacity movement with minimal grain damage
- Heavy duty construction designed for continuous duty operation
- Works with existing spouting, elevators, and load out systems
- Multiple configurations for farm and commercial layouts
- Easy maintenance and long component life reduce operating costs



Spouting, Truss Kits and Clamps

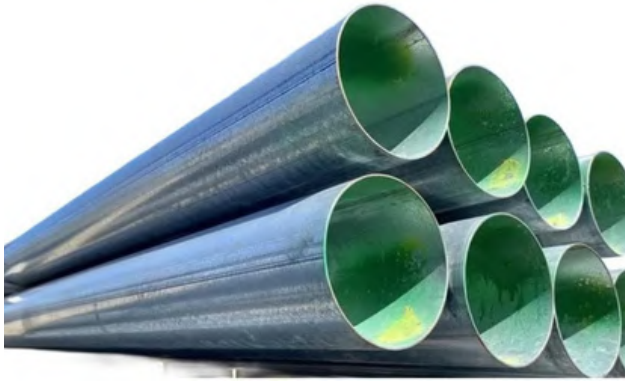
Spouting provides the essential connection between bucket elevators, conveyors, distributors, bins, and discharge points. Built for smooth flow, long wear life, and compatibility with any handling system, spouting forms the backbone of a reliable, high capacity grain handling network.

Technical Specifications
Available in round, square, and rectangular configurations, spouting is manufactured from mild steel, galvanized steel, or stainless steel, with optional abrasion resistant UHMW or AR liners for high wear applications. Sizes range from small diameter farm spouting to large commercial trunk lines.

Components include straight pipe, elbows, offsets, reducers, expanders, Y-branches, adjustable angles, and custom formed geometry for complex layouts. Standard bolt together flange patterns ensure compatibility with elevators, drag conveyors, valves, transitions, and cushion boxes. Systems can be supplied with inspection doors, access ports, and sealed connections for dust control.

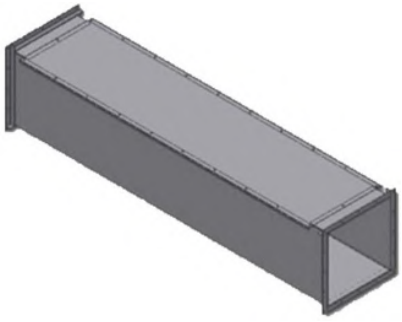
Spouting is available in 4" – 24" size for galvanized round and both standard and custom sizes for square

Truss kits available for both square and round spouting



Why Producers Choose This System

- Smooth internal flow reduces plugging and grain damage
- Available in multiple materials for fertilizer, grain, or abrasive products
- Wide range of fittings creates efficient, customizable layouts
- Heavy duty construction provides long service life
- Seamless integration with all handling and bin systems

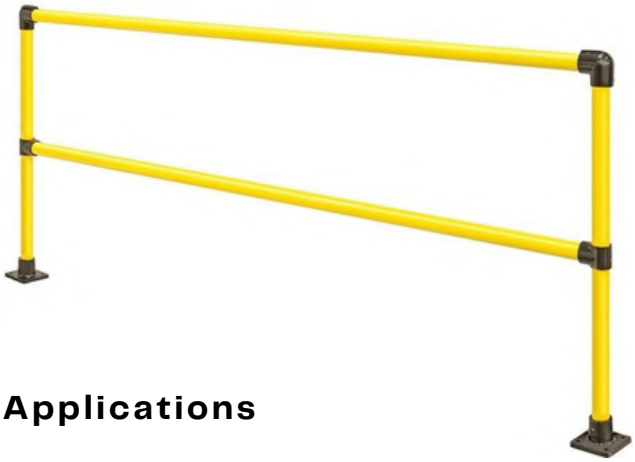


Handrails and Safety Gates

Handrails and safety gates provide reliable fall protection and con-trolled access for elevated work areas around grain handling systems. Built for industrial environments, these systems enhance worker safety while maintaining clear, efficient access to platforms, ladders, and service locations.

Systems are constructed from high strength, corrosion resistant materials designed for long term outdoor performance. Configurations include self closing safety gates, perimeter handrails, ladder openings, mezzanine protections, and access barriers for elevated walkways and platforms.

Mounting options include bolt on or weld on base plates, adjustable brackets, mid rails, and toe boards to meet site specific requirements and safety standards. Units are designed to integrate cleanly with bucket elevator platforms, conveyor catwalks, bin roofs, and processing structures.



Applications

- Bucket elevator platforms
- Conveyor catwalks
- Roof and bin access points
- Ladder openings and landings
- Mezzanines and service platforms
- Equipment guards and perimeter barriers
- Maintenance areas and inspection walkways

Optional Accessories

- Toe boards
- Mid-rails
- Adjustable mounting brackets
- Hinged or swing gate configurations
- Extended height guardrails
- Custom widths for unique layouts

Why Producers Choose This System

- Improves safety on elevated platforms and access points
- Durable, corrosion resistant construction for long service life
- Self closing gates enhance fall protection compliance
- Multiple mounting options simplify installation
- Compatible with a wide range of equipment and building layouts
- OSHA & CSA Compliant protection

Wear & Flow Components

- AR (abrasion-resistant) steel liners
- Chromium carbide liners
- UHMW liners
- Wear plates and wear strips
- Expansion joints (canvas or rubber)
- Inspection doors / cleanout doors
- Deadboxes / impact boxes
- Discharge gates and slide gates

Spouting & Transitions

- Clamp bands (round and square)
- Flanged collars
- Spout adapters & reducers
- Trumpets / inlet hoods
- Flex spout (rubber or urethane)
- Spout flow retarders
- Spouting hangers and supports

Bucket Elevator Components

- Head shaft bearings
- Boot shaft bearings
- Boot take ups
- Tail assemblies
- Belt splices & splice kits
- Belt clamps
- Belt alignment sensors
- Speed sensors / motion switches
- Dust-tight inspection panels

Conveyor & Drag Chain Components

- Sprockets
- Idlers & rollers
- Return rails
- Wear shoes for drag chain
- Chain pins & connector links
- Outboard bearing assemblies
- Tensioning assemblies

Sealing & Safety Components

- Rubber skirts
- Dust seals
- Safety grating
- Guarding panels
- Access ladders
- Ladder cages
- Safety switches (pull cord, overload, plug switches)

Aeration & Venting

- Roof vents
- Aeration fans
- Transition fan housings
- Air socks & distribution ducts
- Roof caps & exhaust hoods

Instrumentation & Sensors

- Grain temperature cables
- Moisture sensors
- Level indicators (rotary, paddle, vibratory, radar)
- Manhole sensors / bin entry alarms
- Bearing temperature monitors

Fasteners & Hardware

- Grain spout bolts
- U-bolts
- Reinforcement rings
- Stainless hardware kits
- Clamp on brackets

Miscellaneous

- Manholes & roof hatches
- Boot cleanout pans
- Motor mounts & stands
- Couplings (flex, rigid, shaft couplers)
- Vibration isolation pads
- Bin ladders & platforms

Farm shop buildings provide durable, high clearance workspace for equipment maintenance, storage, and year round operations. Designed to support modern machinery and daily workflow demands, these structures deliver reliable protection, flexible layout options, and long term structural performance.

Buildings are manufactured using heavy duty structural steel framing with premium metal cladding for weather resistance and longevity. Engineered to withstand 180 mph wind loads and Level 7 seismic conditions, these shops maintain structural integrity in severe climates.

Layouts can be configured with wide clear spans, overhead or hydraulic doors, insulated or non-insulated walls, reinforced concrete floors, and integrated mechanical/electrical systems. Options include ventilation packages, wash down areas, mezzanine storage, and custom bay configurations.

Why Producers Choose This System

- Built for extreme wind and seismic environments
- Wide spans and tall clearances fit modern equipment
- Fully customizable layouts for maintenance, storage, and workflow
- Low maintenance steel construction reduces long-term costs
- Pricing starts at **$45 per square foot**, depending on features and location

Processing facilities provide controlled environments for food processing, produce handling, seed conditioning, and industrial operations. Engineered for precise climate control, sanitary workflows, and long term structural performance, these buildings support high efficiency production with dependable environmental stability.

Facilities can be configured as cold rooms, climate controlled production areas, wash down spaces, or multi-zone processing environments. Metal black, pre-insulated wall and roof panels feature an R40 thermal value, delivering excellent temperature retention, energy efficiency, and moisture control.

Panels offer rigid structural performance with clean, easy to maintain surfaces ideal for food and agricultural applications. Full steel building packages are available to integrate framing, insulated panels, mechanical systems, mezzanines, and loading infrastructure into a unified structure. Optional features include humidity control, air circulation systems, sanitary doors, epoxy flooring, overhead automation, and custom workflow layouts.

Why Producers Choose This System

- High thermal performance (R40) for reliable climate control
- Suitable for food grade, cold storage, and industrial environments
- Metal back insulated panels provide strength and long term durability
- Fully customizable layouts for any processing workflow
- Turnkey steel building packages simplify design and installation

Refrigeration Equipment

Refrigeration equipment provides reliable temperature and humidity control for produce storage, processing rooms, and controlled-environment facilities. With access to leading North American brands and a full range of commercial components, these systems deliver consistent cooling performance, energy efficiency, and long service life across agricultural and industrial applications.

Available product lines include unit coolers, condensers, condensing units, coils, compressors, refrigerant controls, evaporators, and humidity management components. Equipment is sourced from leading manufacturers such as Keeprite, RefPlus, and Heatcraft, with full access to the extensive inventory available.

Systems can be configured for low temperature, medium temperature, or high humidity environments, and built for compatibility with walk in coolers, cold rooms, CA storage, ripening rooms, and processing facilities. Options include EC fan motors, variable speed controls, stainless steel housings, multi circuit coils, expansion valves, humidity packages, defrost systems, and full electrical integration.

Why Producers Choose This System

- Full access to commercial grade refrigeration product lines
- Compatible with processing rooms, cold storage, and produce handling facilities
- Built for precise temperature and humidity control
- Multiple brand options for budget, capacity, and efficiency needs
- Reliable service parts availability reduces downtime

Grain Storage Solutions

Grain storage buildings provide large volume, weather protected storage for crops, feed, and seed, combining rapid construction with long term performance. Designed for strength, ventilation, and efficient loading and unloading, they offer flexible capacity expansion for farms and commercial grain operations.

Each structure is engineered with heavy gauge galvanized steel framing and high strength wall and roof panels for superior load resistance. Configurations include arched roof, gable roof, and straight wall designs to match site layouts and storage volume. Buildings can be supplied with aeration ducts, full ventilation systems, fabric doors, conveyors, catwalks, and temperature monitoring options to maintain grain quality.

Available in both permanent and temporary foundations, structures can be scaled to hold from a few hundred to several thousand tons of product. Optional interior wall liners, discharge hoppers, and load out tunnels can be integrated for streamlined material flow.

Why Producers Choose This System

- Large capacity storage with rapid assembly and minimal maintenance
- Customizable roof and wall designs for any layout or commodity
- Integrated aeration and monitoring systems protect grain quality
- Galvanized steel structure ensures long service life
- Scalable solution for farm or commercial expansion

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Produce trailers are designed for dependable field to facility transport of vegetables, fruit, and bulk agricultural products. Built for heavy duty use in demanding harvest conditions, these trailers offer stable loading, efficient handling, and long service life across a wide range of crop types.

Units feature a high-clearance steel frame, rated for 22,000 lb capacity, with a 52" deck height, 102" width, and 25 ft deck length for bins, totes, and bulk produce. Standard configuration includes wood decking, a foldable headboard, and robust running gear designed for uneven field terrain.

Axle spacing and clearance can be customized for crop row width, field access, and equipment compatibility. Trailers can be built in road legal configurations with braking and lighting packages, or as dedicated off road field units for farm only operation.

Why Producers Choose This System

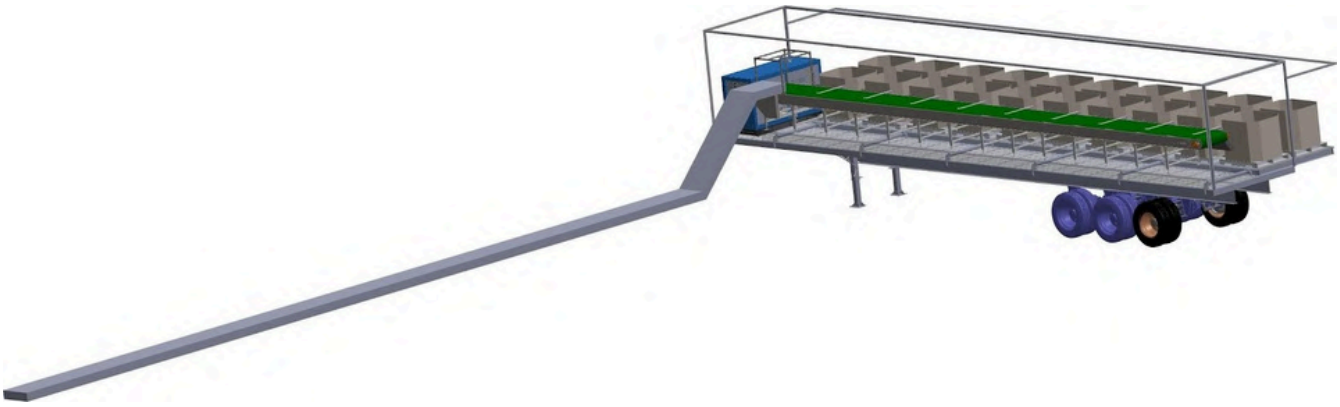
- Heavy duty frame withstands harsh harvest conditions
- High deck height improves loading efficiency in the field
- Customizable axle clearance fits specific crop operations
- Road legal or off road versions available
- Designed for long life with minimal maintenance

Produce Sorting Trailer

Produce sorting trailers bring an integrated grading, weighing, and packing line directly to the field, increasing harvest efficiency and reducing handling labor. Designed to operate across multiple pick rows at once, these units streamline the entire field to distribution process while maintaining product consistency and traceability.

The trailer's platform spans eight pick rows, enabling continuous feeding from multiple workers. Integrated box loading and unloading stations maintain steady workflow, while onboard weighing systems ensure accurate weight counts for every box allowing produce to move directly from the field to the distribution warehouse without double-handling.

Constructed on a heavy duty steel chassis, the system can be equipped with adjustable workstations, conveyor tables, tote racks, generator mounts, LED task lighting, and optional shade structures. Axle and frame configurations can be customized for crop type, field layout, and transport requirements.



Why Producers Choose This System

- One pass sorting and weighing eliminates extra handling
- Spans 8 rows to maximize labor efficiency and minimize downtime
- Accurate box weights maintain product traceability and reduce shrink
- Field ready chassis handles uneven ground and full loads
- Direct field to distribution workflow reduces overall harvest cost

Land Rollers

Land rollers deliver consistent field leveling, improved seed to soil contact, and reduced equipment wear during planting and harvest. Designed for high acreage conditions and tough terrain, these units create a smooth, consolidated seedbed that enhances crop emergence and protects machinery from rock and clod impact.

Rollers are built with heavy wall drums, reinforced bearings, and high strength frames engineered for long service life. Hydraulic folding wings provide fast transition between field and transport modes, with hydraulic locking and lifting systems for safe operation. Bearing seats incorporate cushioning and locking mechanisms to absorb shock loads and reduce vibration during operation.

Models are available in a range of working widths to suit small farms or large commercial operations. Optional scraper kits, extend-ed wings, and custom drum diameters can be configured based on soil type, field conditions, and crop requirements.

Length (FT)	Weight (MT)	HP Required	Drums
30	9	160-200	3
40	11	200-240	3
50	12	200-240	3
60	14	260-300	3

Why Producers Choose This System

- Large capacity storage with rapid assembly and minimal maintenance
- Customizable roof and wall designs for any layout or commodity
- Integrated aeration and monitoring systems protect grain quality
- Galvanized steel structure ensures long service life
- Scalable solution for farm or commercial expansion

Green Houses

Greenhouses provide controlled growing environments for year round production of vegetables, berries, ornamentals, and starter plants. Engineered for durability and climate stability, these structures support consistent crop quality and higher yields across diverse weather conditions.

Frames are constructed from high strength galvanized steel, paired with poly film or rigid panel cladding depending on crop type and climate requirements. Ventilation packages can include ridge vents, roll-up walls, powered fans, evaporative cooling pads, circulation fans, and automated environmental controls for temperature, humidity, and light management.

Structures can be designed as single span or multi-span systems, with customizable bay widths, lengths, gutter heights, and door configurations. Integration options include benching, fertigation systems, shade cloth, irrigation lines, and lighting packages. Engineered anchoring systems ensure stability in variable wind and snow conditions.

Pricing starts at $25 per square foot, depending on configuration, cladding, and environmental control requirements.

Why Producers Choose This System

- Provides stable, high performance growing environments
- Suitable for vegetables, berries, ornamentals, and propagation
- Fully customizable for climate, crop type, and automation level
- Galvanized steel frames ensure long term structural durability
- Scalable for commercial farms and expanding operations

Feed Mill Equipment

Feed mill systems are engineered to deliver reliable grinding, mixing, conveying, and batching performance for commercial feed production. Designed for efficiency, accuracy, and long term durability, these systems support both new turnkey facilities and incremental upgrades to existing operations.

Complete feed mill setups are available as turnkey systems, engineered around production requirements and layout constraints. Typical configurations include hammer mills, roller mills, mixers, cyclones, bins, batch scales, conveyors, pellet systems, bagging lines, and dust control equipment.

Turnkey facilities start at $40,000 per ton of processing capacity, with cost varying based on automation level, auxiliary equipment, controls, and structural integration. Systems can be fully integrated with PLC controls for batching accuracy, ingredient tracking, and continuous operation.

For expansions or retrofits, a full range of individual components is available, including conveyors, mixers, bins, conditioners, feeders, and dust systems allowing producers to scale capacity or modernize existing infrastructure without full replacement.

Why Producers Choose This System

- Complete turnkey mills tailored to production needs
- Scalable solutions for both new builds and existing facilities
- Full range of individual components for targeted upgrades
- Designed for accurate batching and consistent feed quality
- Engineered for long service life with low operating costs

Racking systems provide organized, high density storage for palletized product, field bins, packaging, and agricultural supplies. Engineered for strength and operational flexibility, these systems maximize vertical space and streamline warehouse, cold storage, and processing facility workflows.

Racking is rated for up to 2,500lb per pallet position, with options for standard pallet racking, shelving style racking, and roll back (gravity) systems to support various product flows. Uprights and beams are manufactured from high strength steel with corrosion resistant finishes for long service life.

Roll back systems feature gravity fed lanes for first-in/first-out or high turnover applications, while shelving style units provide adjustable levels for boxes, totes, and mixed storage. All systems can be configured with wire decks, pallet stops, backer panels, and safety rails to protect workers and product.

Designed for use in cold storage environments, components maintain strength and stability in low temperatures, making them ideal for produce packing, refrigerated warehousing, and high turnover storage operations.

Why Producers Choose This System

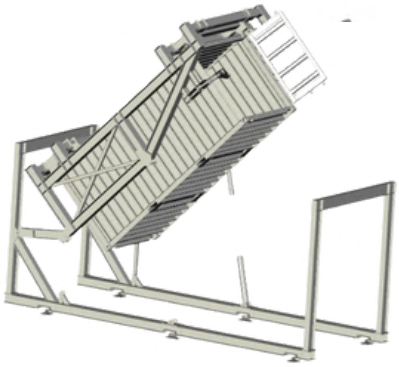
- High load capacity supports heavy agricultural product
- Roll back and shelving configurations fit multiple workflows
- Ideal for cold storage and produce warehousing
- Adjustable layouts maximize storage efficiency
- Durable steel construction reduces lifetime maintenance costs

Seacan Tipper Loader

Built for high throughput export and continuous loading where speed and consistency matter.

Best suited for:

- High volume export facilities
- Continuous truck flow
- Operations prioritizing speed and labor reduction



Key Features

- Heavy duty welded tipping frame
- Automatic container door openers and closers
- Gravity assisted, uniform bulk filling
- Designed for safe, repeatable loading cycles with minimal operator input
- Capable of loading a Super B approximately every 15 minutes

Typical Applications

- Export grain
- Fertilizer
- Bulk feed ingredients

Seacan Conveyor Loader (On-Truck Loading)

Designed to load shipping containers while they remain on the truck, eliminating the need for tipping equipment or container handling.

Best suited for:

- Lower to mid-volume operations
- Limited space or portable sites
- Gentle product handling

Key Features

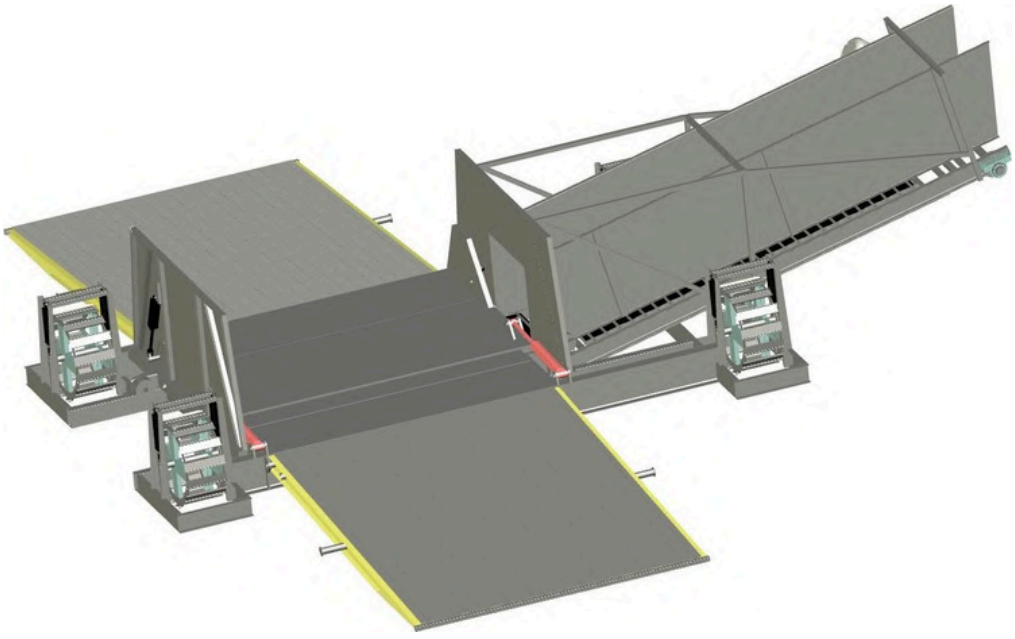
- Loads seacans directly on the truck chassis
- Conveyor-fed system extends into the container
- Even product distribution along container length
- Minimal civil work and fast installation
- Lower upfront equipment cost

Typical Applications

- Grain
- Feed ingredients
- Free-flowing bulk products

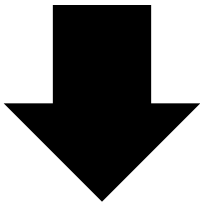
Produce Loader

A heavy duty truck unload wing engineered to integrate with commercial piler systems for fast, controlled unloading of bulk agricultural products. Originally designed for sugar beet receiving, the system provides a stable drive through platform with engineered side wings that guide product flow directly into the piler, reducing spillage, cleanup time, and truck cycle delays. The reinforced structural deck supports continuous high volume traffic, while the modular wing assemblies allow rapid onsite setup and seasonal relocation.
Beyond sugar beets, the platform can be adapted for potatoes, onions, carrots, forage crops, and other bulk commodities, making it a versatile solution for growers, processors, and receiving stations requiring efficient truck to piler transfer. Built for demanding outdoor environments, the piler wing delivers reliable performance throughout extended harvest windows.



Incoming Product

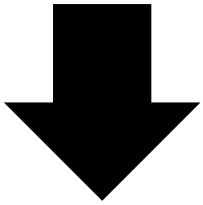
Product Type:
Product Temperature:
Volume per hour:
Number of days of operation:



Receiving

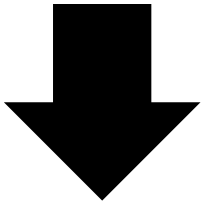
Speed you wish to receive:

Transportation mode:



Storing Product

Product Type:
Product Temperature: Holding Temperature:
Draw down Temperature: Days of holding:



Loadout Product

Product Type:
Product Temperature:
Speed you wish to ship out:
Volume per hour:
Number of days of operation:

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