



UNLOADS • SWEEPS • CONVEYORS • BUCKET ELEVATORS • SYSTEMS



GRAIN HANDLING SOLUTIONS

WHY NORSTAR?

At Norstar, our mission has always been to consistently provide our customers with innovative and high quality products that effectively meet their needs.

The driving force behind our innovation is the feedback we receive from you, the customer. We are continually looking for new and better ways to build products that maximize your efficiencies and increase your return on investment. As industry needs change, we adapt to provide relevant and cutting-edge solutions for your operation.

The needs of the industry may change, but one thing that remains the same is the demand for high quality products. We employ a skilled and passionate work-force that utilizes advanced design and manufacturing techniques to ensure that the highest standard of quality is realized by our customer. Norstar handling solutions are designed and built so that you can move your commodities with ease and confidence.

MOVE WITH EASE. MOVE WITH CONFIDENCE.



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U-TROUGH UNLOADS

Norstar U-Trough Unloads are designed to provide you with unmatched clean-out efficiency and safe operation for bin diameters ranging from 14' to 78'. Norstar offers two distinct unload models: the U-Trough FS and the U-Trough EX. Each of our models boast unique features that increase your efficiencies whatever your workload requirements may be. From the Widemouth Center Sump, to the SureGrip™ gear reduction wheel, Norstar U-Trough Unloads stand out in the industry by combining market-leading quality with market-leading results.

SCAN HERE TO FIND OUT MORE ABOUT OUR U-TROUGH UNLOADS



MAXIMUM GRAIN FLOW

Norstar unloads feature our Widemouth Gate as a standard feature. The extended width of the center gate maximizes 360° grain flow as the sweep circles the bin, providing greater capacity at the center sump. Norstar also offers a Clump Breaker option that helps prevent clumping of the grain and clogging of the sump during unload.

LONGER LASTING, MORE EFFICIENT FLIGHTING

Norstar utilizes an innovative flighting system on its unloads and augers. This Premium Flighting features a thicker outer edge and a smooth transition to the inner auger face that provides greater capacity and a longer lifespan. The thicker outer edge of the auger promotes a greater grab on the product, allowing you to move up to 90 BPH more than with traditional flighting. The smooth transition of the inner auger faces decreases wear and tear on the flighting and helps increase the auger's lifespan by over 50%.

POSITIVE TRACTION

Experience increased sweep traction with Norstar's SureGrip™ Gear Reduction Wheel. Featuring an 18" vulcanized rubber design, the SureGrip™ wheel provides 16:1 gear reduction, promoting positive traction and continuous forward motion of the sweep.



INTRODUCING THE 14" U-TROUGH UNLOAD

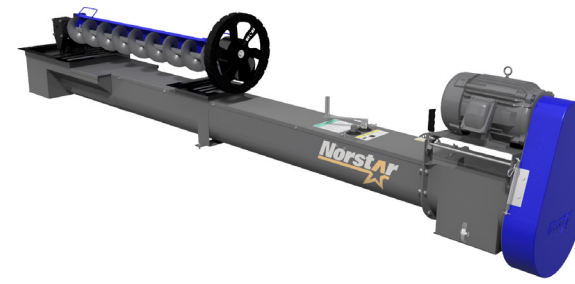
Looking for more capacity during gravity unload? Norstar's new 14" U-Trough is designed to give you greater throughput with capacities of over 10,000 BPH. This groundbreaking increase in size is a cost-effective solution to achieve capacities traditionally reached only by under-bin conveyors. Norstar's Commercial Express Sweep is compatible with the 14" U-Trough EX model, providing greater sweep power and capacity following a gravity-fed unload.



U-TROUGH FS

The U-Trough FS (Farm Series) model is Norstar's standard unload. It is designed for light to medium farm duties and is compatible with bins ranging from 14' to 50' in diameter. The FS boasts capacities of up to 8,170 BPH*.

**capacity is based on 504 RPM and is dependent on condition of product being unloaded.*



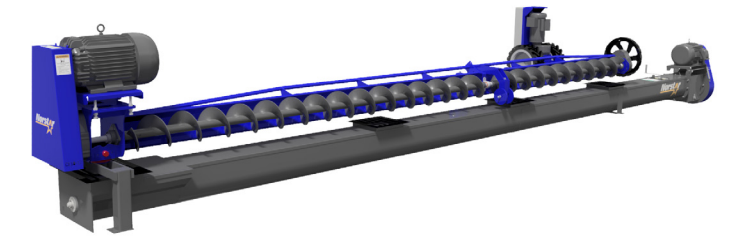
PERMANENT SWEEP COMBINATION

The U-Trough FS features a permanently installed gear-driven sweep that is **integrated with the unload**. Using a clutch-engage located at the head of the unload, you are able to start and stop the sweep. When engaged, the unload flighting drives the sweep through a double gearbox. This system is powered by the unload motor alone and does not require any other control system to operate. This renders the unit "zero-entry" with no-need to enter the bin prior to running the sweep. The sweep features capacities of up to 4,600 BPH.

U-TROUGH EX

The U-Trough EX (Express Series) is our new powerhouse unload, designed for medium to heavy farm duties. The EX is compatible with bin diameters ranging from 30' to 72'. The EX boasts capacities of up to 8,170 BPH* (for 30' - 50' bins) and 8,000 BPH* (for 54' - 72' bins).

**capacity is based on 504 RPM and is dependent on condition of product being unloaded.*



INCREASED SWEEP POWER

The U-Trough EX is designed for operations with larger bin sizes as well as applications that need more power and capacity. Instead of a gear-driven sweep, the EX features a receiver located in the center of the sump which allows compatibility with Norstar's Commercial Express Sweep (sold separately). The Express Sweep provides added power with a motorized tractor-drive in addition to the SureGrip™ wheel. The Commercial Express boasts capacities of up to 6,500 BPH and is operated by a control panel located outside of the bin.



FEATURES

- Designed for 14' to 50' bin diameters
- 8", 11" and 14" U-Trough*
- 7 1/4" or 9" Sweep Flighting
- Widemouth Gate - w/ Rack & Pinion Gate Controls and Nylatron Gate Rollers
- SureGrip™ Wheel - w/ sweep stop
- Gearbox Sweep Drive - w/ fully enclosed shifting mechanism
- Quick-detach Motor Mount
- Motor drives unload and sweep from outside of the bin (zero-entry)
- Adjustable Sweep Length
- Premium Powder Coat Finish

OPTIONS

- Horizontal Powerhead (Electric or Hydraulic)
- Incline Powerhead (Electric or Hydraulic)
- Vertical Powerhead
- Clump Breaker
- Tarp Cover

FEATURES

- Designed for 30' to 72' bin diameters (*longer units available on custom order*)
- 8", 11" and 14" U-Trough*
- Widemouth Gate - w/ Rack & Pinion Gate Controls and Nylatron Gate Rollers
- Quick-detach Motor Mount
- Commercial Express Sweep (*sold separately*)
 - 10" or 12" flighting
 - Motorized Tractor Drive
 - SureGrip™ Wheel
 - External Control Panel - see options
- Premium Powder Coat Finish

OPTIONS

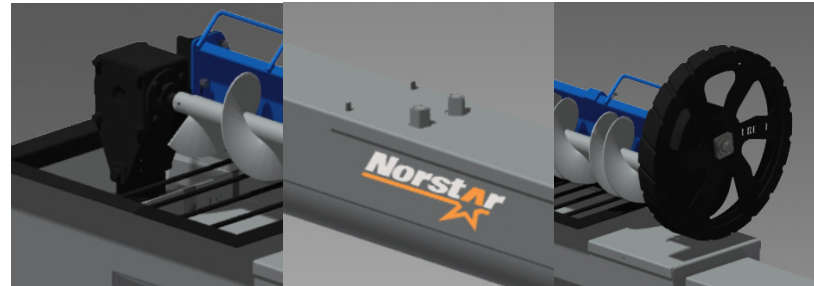
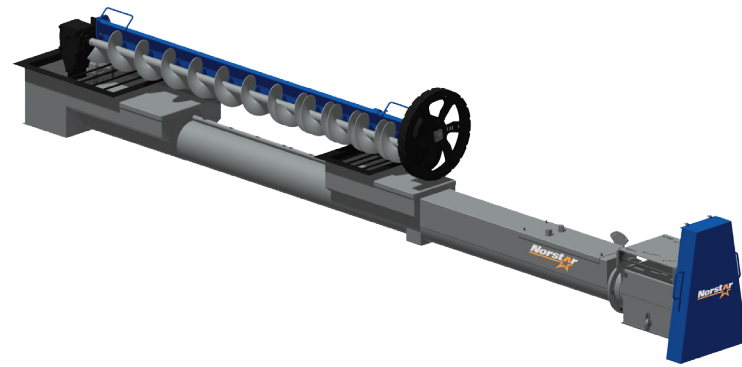
- Horizontal Powerhead (Electric or Hydraulic)
- Incline Powerhead (Electric or Hydraulic)
- Vertical Powerhead
- Tarp Cover
- Standard Control Panel
 - FWD-OFF-REV Switch
 - Emergency Stop
 - Overload & Reset for all Motors
- Auto-Drive Control Panel
 - Same features as Standard Panel
 - Auto FWD/REV based on auger motor amps.

TUBE UNLOADS

Norstar's Tube Unload provides ease and safety in operation. The Tube combines with our permanently installed Gear-Driven Sweep. Both the Unload and the Sweep are operated by a single motor and controlled at the Power Head, providing safe operation with no need to carry a sweep in and out of the bin.

FEATURES

- Designed for 14' - 50' Bin Diameters
- 8" and 10" Tube
- 7 1/4" or 9" Sweep Flighting
- Widemouth Gate - w/ Rack & Pinion Gate Controls and Nylatron Gate Rollers
- SureGrip™ Wheel
- Single motor drives unload and sweep



SCREW CONVEYORS

Norstar Screw Conveyors offer a cost-effective and versatile conveyance solution. With the ability to accommodate overhead and on-grade conveyance applications, our screw conveyors can be used in a wide variety of situations to move your product with ease. Our U-Trough body design is rigid and durable, providing long-lasting functionality to your operation.

SCAN HERE TO FIND OUT MORE ABOUT OUR SCREW CONVEYORS



FEATURES

- Durable U-Trough Body
- Available in 6", 8", 10", 12", 14" and 16" Models
- Norstar Premium Flighting (8" models and up)
- Oil Impregnated Wood-Hanger Bearing
- Premium Powder Coat Finish

OPTIONS

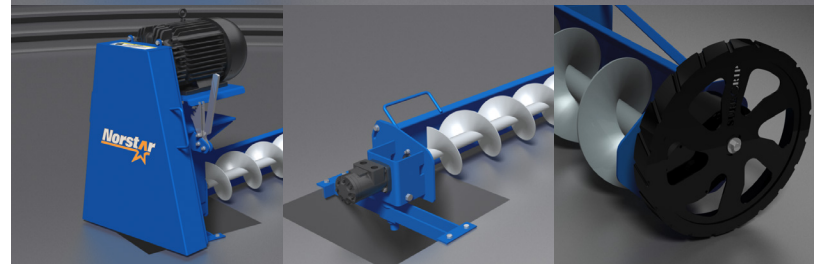
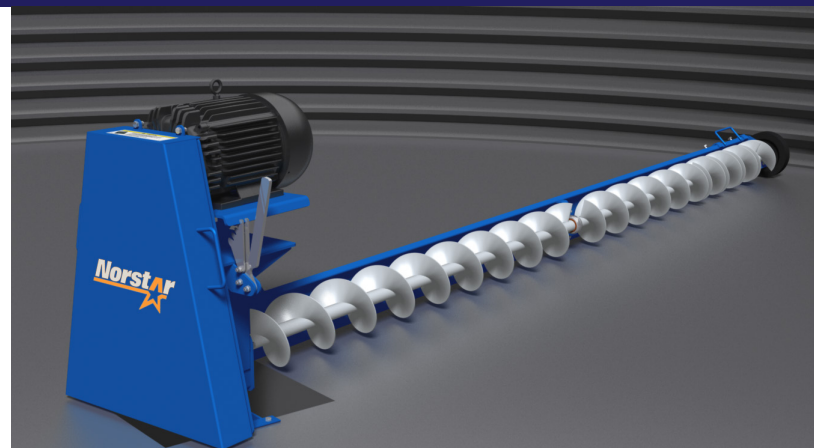
- 2 & 3-Way Valves
- 2 1/2" or 3 1/2" Connector Shafts
- Connector Flanges
- Adjustable Bin or Eave Stands
- Inlet Hoppers

PORTABLE SWEEPS

Norstar Portable Sweeps give you the ability to easily move your sweep from bin to bin as needed, providing you with cost efficiency and versatility.

FEATURES

- Designed for 14' - 50' bin diameters
- Electric or Hydraulic Models Available
- 7 1/4" or 9" Flighting
- Norstar Premium Flighting (9" only)
- Sweep Wheel (standard)
- SureGrip™ Wheel (optional)



CHAIN CONVEYORS

When moving your product to and from its destination, you need equipment that gets it there both quickly and safely. Norstar Chain Conveyors provide unmatched efficiency and gentle handling for a wide range of free-flowing material. Norstar offers two models of chain conveyor: The En-Masse (Horizontal) Conveyor and the Incline Conveyor. Our Chain Conveyors can be used in a variety of applications including on-grade, overhead and underground conveyance for grain, seed and other free-flowing product. For moving highly corrosive material, Norstar offers stainless steel models for unmatched protection.

SCAN HERE TO FIND OUT MORE ABOUT OUR CHAIN CONVEYORS



EFFICIENT HANDLING

When compared to other forms of conveyance, Chain Conveyors make the most efficient use of space. Their skeletal chain and paddle assembly requires less housing space than an auger or belt system, effectively reducing the conveyor's footprint and the horse power required to run the unit. The housing of the conveyor is fully enclosed with an open interior, allowing for a higher fill-rate, especially on En-Masse models (due to smaller paddle size). This translates to a higher volume of material moved.

PROTECTING YOUR PRODUCT

With chain conveyance, the chain and paddles essentially move with the product, promoting gentle handling and minimizing product damage. Norstar Chain Conveyors prevent product contamination with a completely enclosed and weathertight UHMW sealed housing. Norstar's Self-Cleaning Tail Section and optional cleaning paddles help prevent product buildup within the conveyor with bolt-on conveyor covers offering easy-access for efficient clean-out and maintenance.

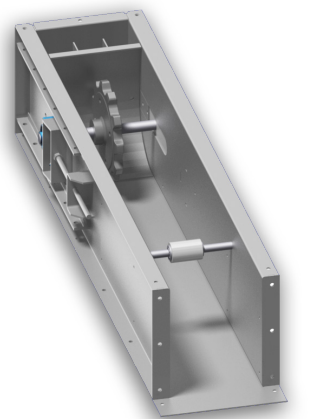
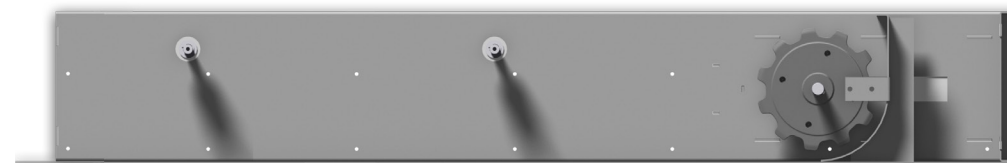
REDUCED MAINTENANCE

Chain Conveyors require minimal maintenance compared to other forms of conveyance. No time-consuming splicing of loose or damaged belts. Chains can be shortened and repaired much quicker than augers or belting. The smaller housing and enclosed UHMW sealed conveyance area reduces wear points and does not require external dust control.



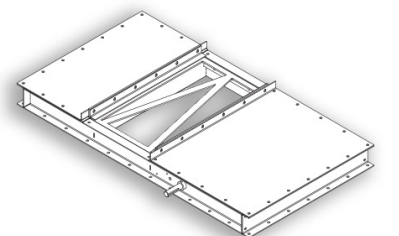
SELF-CLEANING TAIL SECTION

Norstar Drag Chain Conveyors feature a standard self-cleaning tail section. This tail section has a curved back wall that prevents material from building up in the back corner of the tail. This wall is attached to the unit's tensioning system and not to the conveyor housing itself. Whenever the conveyor's shaft is moved to tension the chain, the curved back wall moves as well to ensure appropriate proximity to the paddles.



FLUSH MOUNTED CROSS SLIDE GATE

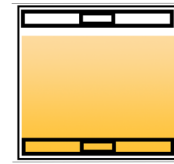
Norstar's Cross Slide Gate is designed to preserve the integrity of your product. The gate is built so that the slide plate sits flush with the conveyor floor when closed. This prevents product damage and cross-contamination as material moves over the closed gate. Norstar utilizes chain carry-over bars that span the gate void in a v-shape to ensure even distribution of paddle wear.



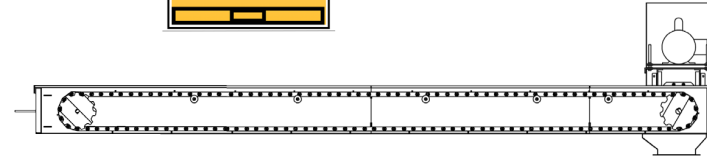
EN-MASSE (HORIZONTAL) CONVEYOR

FEATURES

- Can be utilized for on-grade, overhead and underground conveyance
- Sizes: 9", 12", 15" and 18" Tall
- Capacities from 0 - 14,000 BPH (350 MT)
- Single runs up to 150'
- Shallow UHMW paddles, coupled with a single chamber design, allow high volumes of product movement.
- Easily removed conveyor covers for clean-out.
- Self-Cleaning Tail Section
- 5° - 15° Elbows
- Cross Slide Gate w/ "zero lip/zero crush"
- Premium Powder Coat Finish



85% Fill



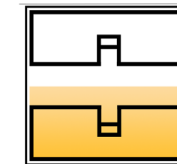
OPTIONS

- Stainless Steel models available
- Drive-Over Pit Hoppers (16" - 58 5/8" W)
- Liner Options (UHMW, AR 200 & 400 steel)
- Chain Options (81X, 81XH and 81XHH)
- Slide Gates and Inlet Hoppers
- Cleaning Paddles

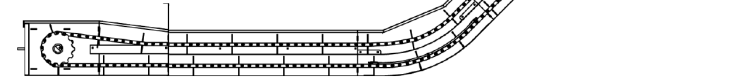
INCLINE CONVEYOR

FEATURES

- Can be utilized horizontally or with elbows with various degrees of incline for discharge (15° - 45°)
- Commonly used for reclaim or receiving.
- Sizes: 9", 12", 15", 18", 21", and 24" Tall
- Capacities from 0 - 16,750 BPH (405 MT)
- Single runs up to 150'
- Taller UHMW paddles allow product to be conveyed efficiently at an incline, preventing back flow.
- Lower chamber allows grain to slide through with no pinch points to damage material.
- Cross Slide Gate w/ "zero lip/zero crush"
- Self-Cleaning Tail Section
- Premium Powder Coat Finish



50% Fill



OPTIONS

- Stainless Steel models available
- Drive-Over Pit Hoppers (22" - 58 5/8" W)
- Liner Options (UHMW, AR 200 & 400 steel)
- Chain Options (81X, 81XH and 81XHH)
- Slide Gates and Inlet Hoppers
- Cleaning Paddles



En-Masse Conveyor Specifications

Conveyor Size	9" x 9"	9" x 12"	12" x 12"	12" x 15"	15" x 15"	15" x 18"	18" x 18"
Chain Speeds	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM
Capacity (BPH)	Up to 2,500	Up to 3,900	Up to 5,200	Up to 7,375	Up to 9,225	Up to 11,700	Up to 14,000
Head Shaft RPM	27 - 97	20 - 72	20 - 72	15 - 53	15 - 53	12 - 42	12 - 42
Paddle Thickness	1/4"	1/4"	1/4"	1/4"	1/2"	1/2"	1/2"
Discharge Size	8" x 8"	8" x 8"	10" x 10"	10" x 10"	14" x 14"	14" x 14"	16" x 16"
Max. Length	150'	150'	150'	150'	150'	150'	150'

En-Masse Conveyor Capacity Chart

	175 FPM	125 FPM	110 FPM	100 FPM	75 FPM	50 FPM	RPM (50 FPM)
9" x 9"	2,500 BPH	1,800 BPH	1,575 BPH	1,425 BPH	1,075 BPH	700 BPH	27
9" x 12"	3,900 BPH	2,800 BPH	2,475 BPH	2,250 BPH	1,675 BPH	1,100 BPH	20
12" x 12"	5,200 BPH	3,750 BPH	3,275 BPH	3,000 BPH	2,250 BPH	1,450 BPH	20
12" x 15"	7,375 BPH	5,275 BPH	4,650 BPH	4,225 BPH	3,175 BPH	2,050 BPH	15
15" x 15"	9,225 BPH	6,575 BPH	5,775 BPH	5,250 BPH	3,975 BPH	2,600 BPH	15
15" x 18"	11,700 BPH	8,350 BPH	7,350 BPH	6,700 BPH	5,000 BPH	3,325 BPH	12
18" x 18"	14,000 BPH	10,000 BPH	8,800 BPH	8,000 BPH	6,000 BPH	4,000 BPH	12

Incline Conveyor Specifications

Conveyor Size	10" x 9"	16" x 9"	16" x 12"	18" x 15"	20" x 18"	21" x 21"	24" x 24"
Chain Speeds	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM	0 - 175 FPM
Capacity (BPH)	Up to 2,525	Up to 4,025	Up to 5,375	Up to 7,575	Up to 10,100	Up to 12,375	Up to 16,175
Head Shaft RPM	25 - 87	25 - 87	21 - 72	17 - 61	15 - 53	13 - 47	13 - 44
Paddle Thickness	1/4"	1/4"	1/2"	1/2"	1/2"	1/2"	1/2"
Discharge Size	10" x 10"	14" x 14"	14" x 14"	16" x 16"	18" x 18"	20" x 20"	22" x 22"
Max. Length	150'	150'	150'	150'	150'	150'	150'

Incline Conveyor Capacity Chart

	175 FPM	125 FPM	110 FPM	100 FPM	75 FPM	50 FPM	RPM (50 FPM)
10" x 9"	2,525 BPH	1,810 BPH	1,590 BPH	1,585 BPH	1,080 BPH	725 BPH	25
16" x 9"	4,025 BPH	2,900 BPH	2,535 BPH	2,310 BPH	1,725 BPH	1,150 BPH	25
16" x 12"	5,375 BPH	3,870 BPH	3,400 BPH	3,100 BPH	2,300 BPH	1,550 BPH	21
18" x 15"	7,575 BPH	5,425 BPH	4,775 BPH	4,350 BPH	3,250 BPH	2,150 BPH	17
20" x 18"	10,100 BPH	7,250 BPH	6,350 BPH	5,800 BPH	4,350 BPH	2,900 BPH	15
21" x 21"	12,375 BPH	8,850 BPH	7,800 BPH	7,100 BPH	5,300 BPH	3,550 BPH	13
24" x 24"	16,175 BPH	11,600 BPH	10,200 BPH	9,250 BPH	6,900 BPH	4,650 BPH	13

BUCKET ELEVATORS

Norstar Bucket Elevators are designed and built to provide maximum throughput and long lasting performance to your operation. With capacities from 100 BPH - 20,000 BPH and discharge heights of up to 200', Norstar can provide a Grain Leg that meets your needs. Our wide range of options and peripheral equipment allows you to customize your elevator to fit your application. Our design and build team uses market-tested expertise and advanced manufacturing processes to ensure that Norstar Bucket Elevators handle your free-flowing product with care and efficiency.

**SCAN HERE TO FIND OUT MORE ABOUT OUR
BUCKET ELEVATORS**



GREATER SIZE RANGE

We offer Bucket Elevators with a pulley diameter range that outmatches the competition. In addition to the standard market offering of 16", 24", 30", 36", 42" and 48" pulleys, Norstar also offers 6", 8" and 12" pulleys. With these additional sizes, Norstar is able to offer smaller legs with lower capacities suited for applications such as seed operations. Because of this size range, Norstar can effectively offer standard capacities ranging from 100 - 20,000 BPH (capacities based on water level cup fill).

PROTECTING YOUR PRODUCT

Retaining the integrity of your product is key to your success, and Norstar Bucket Elevators are designed to help you move with confidence. From our curved Elevator Head design that promotes minimal product impact; to our Winged "Easy Clean" Pulley on all our Boot Sections that prevents material build up, our Bucket Elevators are designed to preserve your hard work. All shafts feature UHMW seals that offer reliable protection from the elements and prevent product spoilage.

A COMPLETE RANGE OF OPTIONAL COMPONENTS

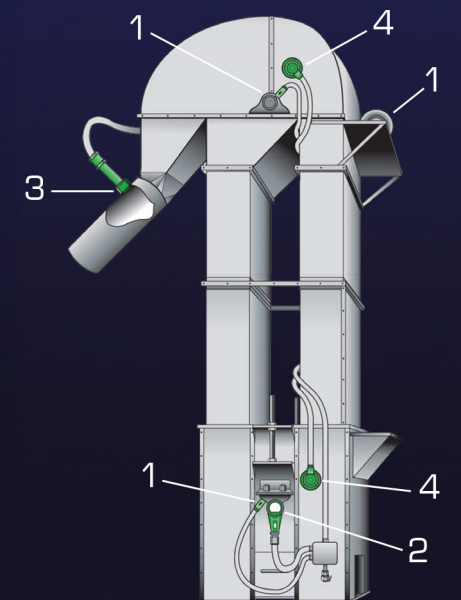
Norstar offers all of the components that you need to set up your handling operation. We provide multiple distributor models (manual or electronic) with a range of outlet configurations, spouting, truss kits, splitter valves, transitions, clam gates, rack & pinion gates, elbows, automation systems and more. We also design and manufacture support towers for unmatched stability.



BUCKET ELEVATOR MONITORING SYSTEM (OPTIONAL)

Allows you the ability to monitor belt alignment, speed, bearing pressure, pulley alignment and plug condition.

- 1. Bearing & Surface Temperature Sensor**
- fits into existing grease zerk fittings on a bearing and is fitted with a grease nipple to allow bearing lubrication without having to remove the sensor.
- 2. Speed Switch**
- provides alarm and shutdown signals at 10% and 20% underspeed.
- 3. Plug Sensor**
- detects level or plug situations for bulk granular solids.
- 4. Belt Alignment Sensor**
- detects tracking and misalignment problems on belts.



KEY FEATURES

1. Elevator Head Assembly

- Heavy-Duty structural frame
- Curved design promotes minimal product impact
- Split hood design for easy access and serviceability
- UHMW seals on shafts for dust/weather protection
- Crown-faced Drum with vulcanized rubber for belt grip
- Belt Tensioner with screw adjustment
- Inspection ports for belt tracking
- Shaft-Mounted DODGE Gearbox
- Double or Triple Ply GOODYEAR belting

2. Elevator Trunking Assembly

- Double legged trunking assemblies
- Flanges are laser aligned and jugged
- Track welded seams for dust and weather protection
- Connector plates for easier assembly
- Service inspection ports with hinged doors
- Available in 14 ga, 12 ga and 10 ga material

3. Elevator Boot Assembly

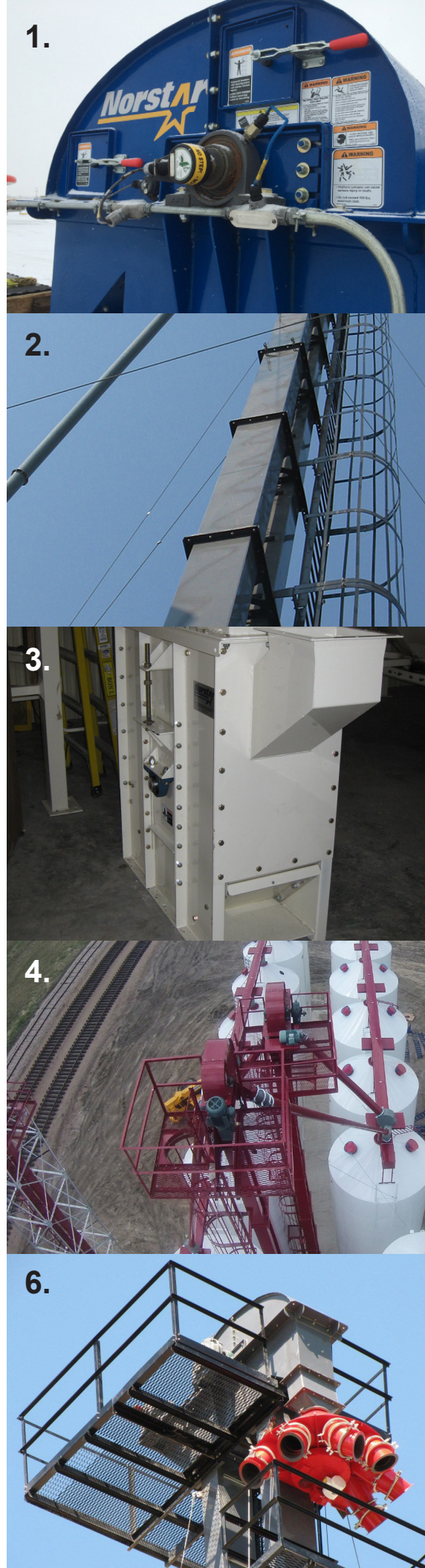
- Heavy-Duty structural frame
- Winged “Easy Clean” Pulley
- Threaded rod belt adjustment
- Clean-out doors allow for easy access to clean boot
- UHMW seals on shafts for dust/weather protection

4. Fall Protection (Ladders, Cages & Platforms)

- Ladders available in 5’ and 10’ sections
- Sized for easy access
- Safety cages are standard for all ladders
- Head, Distributor and Rest Platforms are available
- Platforms include full handrails
- Built to OSHA standards

5. Distributor Options

- Manual or Electronically controlled
- Multiple outlet models
- Spouting sizes from 6” to 20”
- Flatback or full-round options
- Premium Powder Coat Finish



FINISH OPTIONS

- Premium Powder Coat Finish (custom colors available upon request)
- Galvanized Finish
- Stainless Steel Finish

BUCKET OPTIONS

- High Density Polyethylene
- Urethane • Steel
- Nylon • Stainless Steel
- Vented and Low Profile Cups available

ALSO AVAILABLE

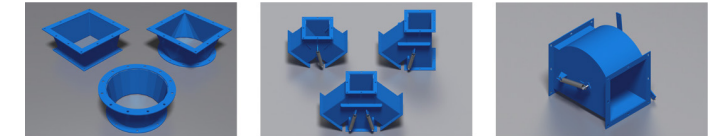
- Clam Gate • 22.5° Round Elbows (4” - 24”) • Round Clamp Bands (4” - 24”)

TRANSITIONS & SPLITTER VALVES

- Square to Square, Square to Round and Round to Round Models
- Available from 4” - 24” sizes

SPLITTER VALVES

- Available in 2-way, 2-way Offset, and 3-way orientations
- 6”, 8”, 10”, 12”, 14” and 16” size



SPECIFICATIONS

Series	Pulley Dia (")	BPH	FPM	RPM	Bucket Size (")	Bucket Spacing (")	Belt Width (")	Trunking Size (")	Max Height	Head Shaft Dia	Boot Shaft Dia	Trunking Gauge (over 150')	Gauge of Boot / Head
600	6	100	177	115	4 x 3	12	5	7 x 6	100'	1 1/4	1 1/4	12	10 / 12
	6	140	177	115	4 x 3	8	5	7 x 6	100'	1 1/4	1 1/4	12	10 / 12
	6	200	269	175	4 x 3	8	5	7 x 6	100'	1 1/4	1 1/4	12	10 / 12
	6	400	269	175	4 x 3	4	5	7 x 6	100'	1 1/4	1 1/4	12	10 / 12
800	8	500	349	175	6 x 4	12	7	9 x 7	100'	1 1/2	1 1/4	12	10 / 12
	8	700	230	115	6 x 4	6	7	9 x 7	100'	1 1/2	1 1/4	12	10 / 12
	8	1000	349	175	6 x 4	6	7	9 x 7	100'	1 1/2	1 1/4	12	10 / 12
1200	12	1000	620	192	7 x 5	12	8	10 x 8	100'	1 3/4	1 1/4	12	10 / 12
	12	1500	565	175	7 x 5	6	8	10 x 8	100'	1 3/4	1 1/4	12	10 / 12
	12	2000	620	192	7 x 5	6	8	10 x 8	100'	1 3/4	1 1/4	12	10 / 12
1600	16	2500	413	95	9 x 6	7.75	10	10 x 16	200'	3 7/16	1 11/16	14 (12)	10 / 10
	16	3000	413	95	10 x 6	7	11	10 x 16	200'	3 7/16	1 11/16	14 (12)	10 / 10
2400	24	3000	471	73	11 x 6	9.5	12	10 x 16	200'	3 7/16	2	14 (12)	10 / 10
	24	4000	471	73	11 x 6	7	12	10 x 16	200'	3 15/16	2	14 (12)	10 / 10
	24	5000	471	73	11 x 6 LP	5.25	12	10 x 16	200'	3 15/16	2	14 (12)	10 / 10
3000	30	4000	537	67	11 x 6	9.5	12	12 x 18	200'	3 15/16	2 7/16	14 (12)	10 / 10
	30	5000	537	67	13 x 6	7.5	14	12 x 18	200'	4 7/16	2 7/16	14 (12)	10 / 10
	30	6000	537	67	13 x 6 LP	5.75	14	12 x 18	200'	4 7/16	2 7/16	14 (12)	10 / 10
3600	36	6000	614	64	13 x 7	10.5	14	12 x 18	200'	4 7/16	2 15/16	12 (10)	10 / 10
	36	7000	614	64	13 x 7	9	14	12 x 18	200'	4 7/16	2 15/16	12 (10)	10 / 10
	36	8000	614	64	13 x 7	8	14	12 x 18	200'	4 15/16	2 15/16	12 (10)	10 / 10
4200	36	10000	614	64	14 x 7 LP	6	15	12 x 18	200'	5 1/2	2 15/16	12 (10)	10 / 10
	42	10000	670	60	16 x 8	12.25	17	14 x 22	200'	5 1/2	3 7/16	12 (10)	7 / 7
	42	12000	670	60	16 x 8	10	17	14 x 22	200'	5 1/2	3 7/16	12 (10)	7 / 7
4800	48	15000	713	56	20 x 8	11	21	14 x 26	200'	6 7/16	3 15/16	10 (10)	7 / 7
	48	18000	713	56	20 x 8	9	21	14 x 26	200'	6 15/16	3 15/16	10 (10)	7 / 7
	48	20000	713	56	20 x 8 LP	7.5	21	14 x 26	200'	6 15/16	3 15/16	10 (10)	7 / 7

SYSTEM SOLUTIONS

Setting up a Fertilizer Plant, Seed Operation or Grain Processing Facility? Norstar's wide range of grain handling equipment offers market-leading quality and efficiency to your operation. From Bucket Elevators to Unloads, we manufacture solutions that will increase your productivity and your bottom line. We are equipped to custom design systems that fit your specific situation and meet your needs. We champion quality workmanship, product innovation and constant industry advancement so that when you choose Norstar, you experience the best the market has to offer.

SCAN HERE TO FIND OUT MORE ABOUT OUR SYSTEM SOLUTIONS



CUSTOM DESIGN

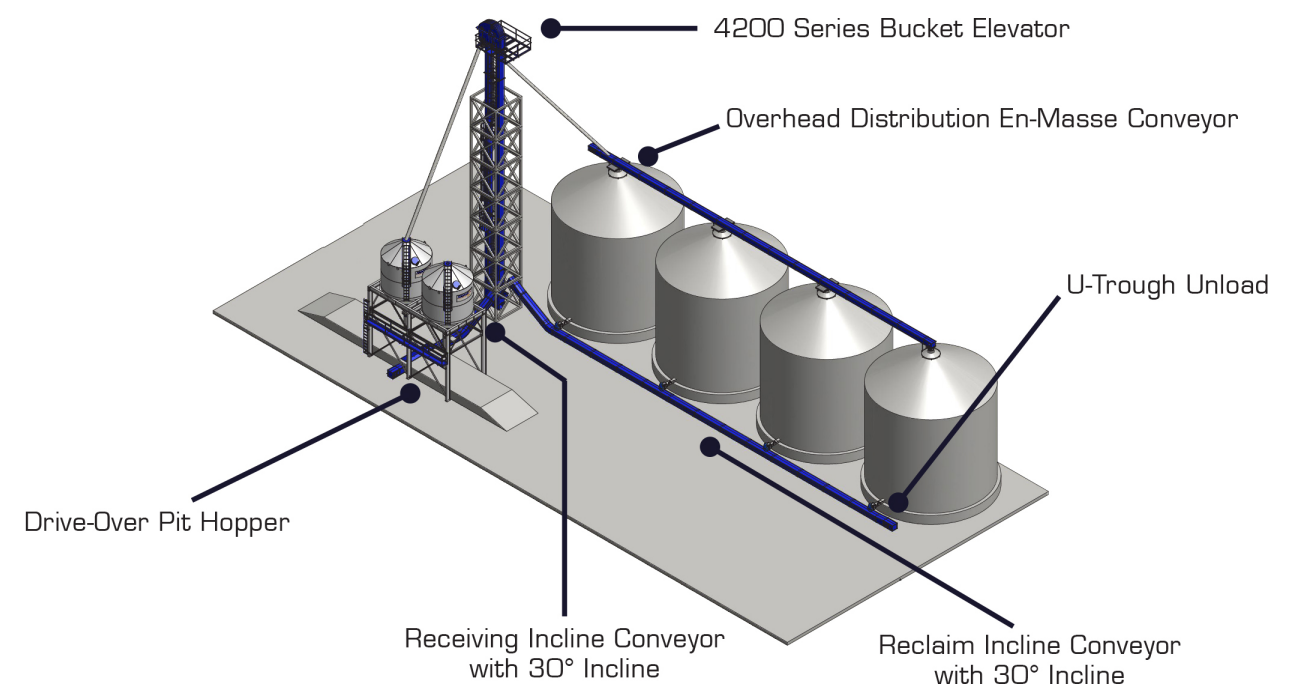
Your operation is unique, and we understand this. That is why we readily provide custom designed equipment and integrated systems to meet your specific needs. Our team works closely with you to help visualize and plan out your material handling system and its peripheral components to ensure that the finished product meets your requirements. Norstar's product lines are extensive with custom options and accessories that offer the flexibility needed to provide a solution built for you.

SMOOTH OPERATION

Choosing Norstar for your material handling needs ensures cohesive functionality throughout your operation. Our design team has first hand knowledge of each component's functionality, both as a stand-alone unit and as part of a system. When we design your system, we make sure that each piece of equipment is running in such a way that your operation reaches peak performance.

UNMATCHED PRODUCT SUPPORT

Fully equipping your operation with Norstar Handling Equipment provides you with the luxury of looking to one source for your product support needs. Maintaining systems with multiple brands of equipment can be frustrating and time-consuming. With Norstar, you only need to look to one source to define issues and provide solutions that keep your system up and running efficiently.



MOVE WITH *EASE*. MOVE WITH *CONFIDENCE*.



Call 1.855.746.8200 or visit www.norstarmfg.com for more product information.
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