

Belt Conveyors/Feeders

2405 & 2410



Since 1948

Automate your system while keeping your investment low!



Multi-lot capabilities!

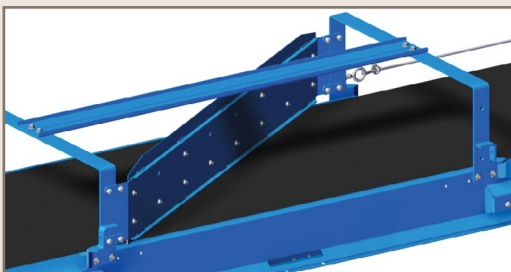
Full load capacity:

- up to 209 ft³/min (5.9 m³/min) or
- up to 3,700 lbs/min (1,678 kg/min)

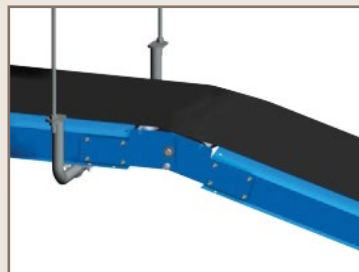
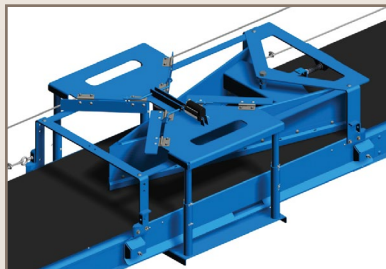
Belt width: 24" (610 mm)

Overall lengths: 20' (6.1 m) to 400' (121.92 m)

The **one-way floating plow** drops manure/litter off one side of the feeder only. Can be mounted to plow-off on the left or right side.

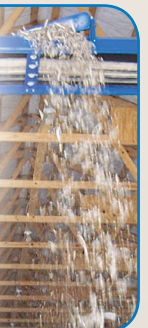


The **two-way floating plow** can plow off either side of the belt. An optional tripper is used to switch distribution from one side of bunk to the other. An optional deflector on the plow drops manure/litter closer to the feeder.



Elevate manure/litter and then convey level with an adjustable elbow. The belt stays concave with a deep trough when passing over the elbow for maximum capacity.

Patz self-cleaning units easily install below belt cage systems, directing litter away from hens. Safely windrow manure/litter into storage buildings, keeping it dry, reducing odors, and preventing rainwater run-off. We have a solution for any layout!



Added safety and automation capabilities ...

Proximity sensors use a low voltage direct current (DC) system, a safer, more reliable alternative to traditional reed switches. Proximity sensors can help you locate and distribute to multi-lot configurations.

Customized lengths up to 400 feet (121.92 m).

2405 & 2410 Belt Conveyor/Feeder Specs

| STANDARD Equipment | | 2405 | 2410 |
|--|--|------|------|
| Length | Forward direction up to 100 ft. (30.48 m). Forward direction up to 400 ft. (121.92 m). | ■ | ■ |
| Frame | Concave open bed, formed 14 ga. blue powder coated steel. 6 1/2" (165 mm) depth, 26 3/4" (679 mm) width. | ■ | ■ |
| Belt Width | 24" (610 mm) | ■ | ■ |
| Belt | Order as optional equipment. | ■ | ■ |
| Belt Speed | 370 ft/min (112.8 m/min), 260 ft/min (79.2 m/min), 130 ft/min (39.6 m/min) or 65 ft/min (19.8 m/min), depending on drive selected. 325 ft/min (99.06 m/min), 240 ft/min (73.15 m/min), 120 ft/min (36.57 m/min) or 95 ft/min (29 m/min), depending on drive selected. | ■ | ■ |
| Drive Pulley | 5" (127 mm) dia., crowned, steel, rubber lagged. 10" (254 mm) dia., crowned, steel, rubber lagged. | ■ | ■ |
| Tail Pulley | 5" (127 mm) dia., finned, steel. 5 3/4" (146 mm) dia., finned, steel. | ■ | ■ |
| Bearings | Long-life, sealed, prelubricated, greasable. | ■ | ■ |
| Belt Take-up | Screw-type take-up at tail pulley. | ■ | ■ |
| Drive Mount | Order as optional equipment. | ■ | ■ |
| Load Capacity | Up to 209 ft ³ /min (5.91 m ³ /min), 3,700 lbs/min (1678 kg/min). Up to 180 ft ³ /min (5.09 m ³ /min), 3,250 lbs/min (1474 kg/min). | ■ | ■ |
| Span | Up to 10' (3.04 m) between supports. | ■ | ■ |
| Color | Blue high-gloss polyester powder coat. | ■ | ■ |
| Electrical Controls | Customer supplied, except optional equipment. | ■ | ■ |
| Assembly | Conveyor supplied unassembled. | ■ | ■ |
| OPTIONAL Equipment | | 2405 | 2410 |
| Overall Lengths | Conveyor lengths from 20' (6.1 m) to 100' (30.48 m) are possible.* Conveyor lengths from 20' (6.1 m) to 400' (121.92 m) are possible.* <i>*Intermediate lengths are possible by field cutting.</i> | ■ | ■ |
| Belt | Black, P.V.C. 120 COS, smooth or textured, standard & cold temp. Other belts available upon request. | ■ | ■ |
| Drive Motors | 1 to 3 HP, 1 Ph. or 3 Ph. 3 to 7 1/2 HP, 1 Ph. or 3 Ph. | ■ | ■ |
| Conveyor Supports | Supports and mounting hardware available. | ■ | ■ |
| Covers | 16 ga. powder coated in 10' (3.048 m) lengths. | ■ | ■ |
| Loading Hoppers | Funnels material into conveyor trough. | ■ | ■ |
| Belt Wipers | Blade for cleaning top of belts. | ■ | ■ |
| Adjustable Decline | Adjust 0° to 30°. | ■ | ■ |
| Convey Sides | Positions material and helps seal edges to prevent material under belt. | ■ | ■ |
| Movable Plow | 1-way plow: for end charge feeder, belt travel in one direction only. 1-way v-plow: for end charge feeder. For plowing granular material off both sides of belt simultaneously. 2-way plow: use when plowing feed off each side, one side at a time. | ■ | ■ |
| Plow Drive Control Box Assembly | 1 Ph., 60 Hz or 3 Phase, 50 or 60 Hz. | ■ | ■ |
| Proximity Switch Assembly | Use with plow drive control box to add additional lots or plow park feature. Includes proximity switch and cable. | ■ | ■ |
| Tripper Assembly | To trip 2-way plows right or left from a remote location. | ■ | ■ |
| Tripper Assembly w/Controls | To trip 2-way plows on each pass. Not electrically controlled. | ■ | ■ |

Optional:

Plow Drive Control Box Assembly



Includes:

- **Plow Drive Control Box**
Available in: 1Ø or 3Ø,
230 V power, 50/60 Hz.
Higher voltage option available.
- Fiberglass enclosure
- 3" black and white touch screen display
- (2) operational modes: MANUAL and LOT
- Capable of up to (10) configurable multi-lots
- PARK feature
- Large, red stop button - built-in safety feature
- Built in tripper control
- (2) **proximity sensors** can accept up to (6) for multi-lot layouts
- **1 HP motor**



CAUTION: Never operate Patz equipment without all shields and guards in place. Safety is no accident. Before operating any piece of equipment, be sure to read and understand the operator's manual. This manual should be kept with the machine at all times. Additionally, make sure all safety shields and devices are functioning properly and are securely in place.



For some photos in this brochure, guards were removed for photographic purposes only to allow viewing of the equipment features. Before operating equipment, all guards must be in place. Because Patz continually improves and updates products, Patz reserves the right to change the construction of machines or attachments or any part thereof without incurring any obligation to make like changes on Patz machines, or attachments previously delivered. Specifications and prices subject to change without notice.

Proven Performance You Can Count On!

Patz Corporation

917 Business 141, POB 7 • Pound, Wisconsin 54161-0007

Ph: (920) 897-2251 • Fax: (920) 897-2142

www.patzcorp.com • info@patzcorp.com

