# INDUSTRIAL
# BELT CONVEYORS

## SIMPLE, RELIABLE, & EFFICIENT

- Moves Material Quickly and Efficiently
- Handles a Wide Variety of Organic Materials
- Deep Trough for Maximum Capacity
- Customizable Design Layout

# 1205, 1605, & 1608 Belt Conveyors
# FEATURES

Patz Belt Conveyors are economically priced, have exceptional performance, and offer versatile design layout. As your layout plans evolve, additional sections and optional features can easily be added after the initial installation. Having this capability saves time and money.

Patz recognizes that needs are different for each user. That is why their conveyors can be designed to fit your specifications for length, height, incline, drive, plows, and more. Mounting can be done down the center, on side walls, and on the ceiling.

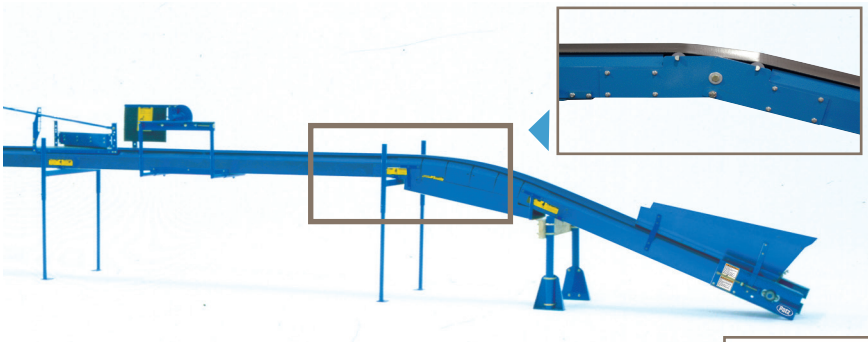
The belt uses a proven alligator staple splice of stainless steel or a Clipper® splice. The belt is durable and moves material efficiently. A take-up idler provides for easy adjustment of the belt tension and tracking.

*Stands easily adjust to desired height. They also offer support and couple conveyor sections for ease of installation.*

RECOMMENDATIONS:

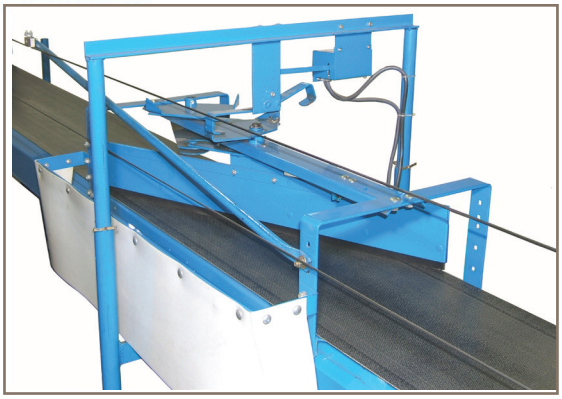
- Compost, Poultry Litter, Manure
- Equip machine with covers if machine is installed outside. The covers will protect the feed and feeder from the elements.

# FEATURES



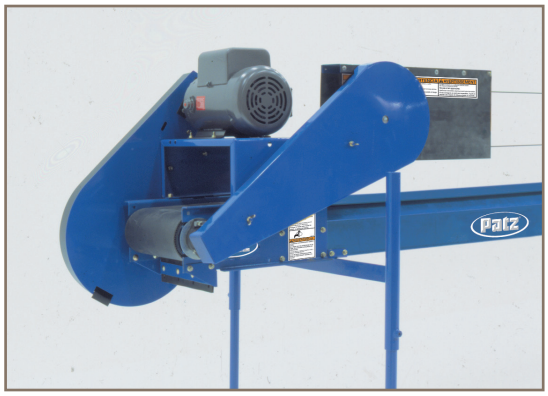
**Elevate** material and then convey flat with an adjustable elbow. The belt stays concave with a deep trough when passing over the elbow for maximum capacity.

**The one-way floating plow** drops material off on one-side of the conveyor only. Using a 2-motor drive allows distribution up to two different locations.



**The two-way floating plow** drops material off both sides of the conveyor. The belt reverses allowing material to be added at various points. An electrical remote is used to switch between sides. Distribute up to 4 different locations with a 2-motor drive and plow drive assembly. An optional deflector allows for a more accurate drop.

**Open pan design** provides deep trough for extra capacity and reduces belt friction for lower power requirements. Fin pulley helps avoid material buildup.




**One motor** drives both the belt and plow (roller-chain drive) to distribute one location or two different locations. The plow automatically reverses smoothly around a pulley at each end of the conveyor with continuous-loop cable drive.

# 1205, 1605, 1608 Compost Belt Conveyors
# SPECIFICATIONS

| **STANDARD** Equipment | **1205** | **1605** | **1608** |
|---|---|---|---|
| **Direction** | One-way | Two-way | One-way |
| **Overall Lengths**<br>*Forward: Moving toward drive end* | Forward: ≤ 120' (36.58m) | Forward: ≤ 100' (30.48m)<br>Reversible: ≤ 75' (22.86mm) | Forward: ≤ 200' (60.96m) |
| **Load Capacity - Granular:**<br>*Dependent on elevation, material type and whether material is frozen* | 29 $ft^3$/min (0.82$m^3$/min)<br>@ 34 lbs/$ft^3$ (5.45 kgs/$m^3$)<br>56 $ft^3$/min (1.59 $m^3$/min) | 47 $ft^3$/min (1.33 $m^3$/min)<br>@ 34 lbs/$ft^3$ (5.45 kgs/$m^3$)<br>90 $ft^3$/min (2.55 $m^3$/min) | 49 $ft^3$/min (1.39 $m^3$/min)<br>@ 34 lbs/$ft^3$ (5.45 kgs/$m^3$)<br>95 $ft^3$/min (2.69 $m^3$/min) |
| **Load Capacity - Fibrous:**<br>*Dependent on elevation, material type and whether material is frozen* | 29 $ft^3$/min (0.82$m^3$/min)<br>@ 18 lbs/$ft^3$ (2.88 kgs/$m^3$)<br>Max. 1000 lbs (454 kg/min) | 47 $ft^3$/min (1.33 $m^3$/min)<br>@ 18 lbs/$ft^3$ (2.88 kgs/$m^3$)<br>Max. 1600 lbs (726 kg/min) | 49 $ft^3$/min (1.39 $m^3$/min)<br>@ 18 lbs/$ft^3$ (2.88 kgs/$m^3$)<br>Max. 1690 lbs (767 kg/min |
| **Belts** | | Smooth Surface interwoven polyester impregnated with PVC; Standard or Premium Cold Temp | |
| **Belt Width** | 12" (305mm) | 16" (406mm) | 16" (406mm) |
| **Belt Speed**<br>*dependent on drive selected* | 370 ft/min (112.8m/min) | 370 ft/min (112.8m/min) | 390 ft/min (119m/min) |
| **Load Capacity**<br>*Dependent on elevation, material type and if frozen* | <29 $ft^3$/min (0.82$m^3$/min)<br><29 $ft^3$/min (0.82$m^3$/min)<br><29 $ft^3$/min (0.82$m^3$/min) | <136 $ft^3$/min (3.85$m^3$/min)<br>2400 lb/min (1089 kg/min) | <440 $ft^3$/min (12.46$m^3$/min)<br>3700 lb/min (1678 kg/min) |
| **Conveyor Incline** | Maximum incline of 6" per 10' (50mm per meter) | | |
| **Plows** | One-Way or Two-Way Straight Blade | | |
| **Plow Speed** | 90 fpm (27.43m/min) | | |
| **Span** | < 20' (6.096m) | | |
| **Plow Control** | Reed switch on 24 volt A.C. circuit (2-motor only); Lot length: 20' minimum (6.096m) | | |
| **Drive Unit** | Double V-Belts<br>370 fpm; 113m/min | Double V-Belts<br>370 fpm; 113m/min | Direct Drive through Speed Reducer<br>390 or 260 fpm; 119 or 79m/min |
| **Electric Motor** | 2-3 HP | 2-3 HP | 3-5 HP |

| **OPTIONAL** Equipment | **1205** | **1605** | **1608** |
|---|---|---|---|
| **Covers** | 5' (1.5m) or 10' (3.05m) lengths; 20 ga. powder coated | | |
| **Hoppers** | Material is funneled into conveyor trough | | |
| **Deflectors** | Directs material discharge | | |
| **Plows** | Attacheds to end spout | | |
| **Adjustable Elbows** | | | |
| **Belt Wipers** | 16" urethane Blade or brush for cleaning tops of belt | | |
| **Convey Sides** | 10' long; Positions material and seals edges to prevent material from getting under belt | | |
| **Plow-Off** | 38 ⅜" long Urethane Blades | 54" long Urethane Blades | |

## Ask your Dealer about other PATZ equipment:

- **Vertical Mixers**
- **Choppers**
- **Alley Scraper Systems**
- **Augers**
- **Pumps & Agitators**

*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.

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