

Part-Tote® Conveyor



Part-Tote Conveyor

For screws, bolts, nails, rivets, studs, T-nuts and small parts

The low cost Part-Tote® Conveyor from Mayfran is ideal for moving high capacity loads of fasteners and other small parts. Load your parts into the hopper at floor level and the conveyor moves them to high-mounted hoppers or vibratory bowls. Mayfran will custom-build your conveyor to any required size at a low, affordable cost.

- Standard, proven design easily modified to your physical plant and parts handling requirements.
- Practical for loading overhead hoppers, lifting parts from pits, moving parts between floors, and elevating parts to any convenient processing/packaging height.
- Moves either ferrous or nonferrous parts, includ-

ing aluminum, magnesium, plastic, ceramic, or Teflon*coated parts.

- Rugged, articulated chain designed for long life.
- Flush interacting side wings are integral to the pan; protect against jamming and prevent parts spillage.
- Exclusive Mayfran Safety Clutch protects the conveyor belt drive from overload damage.
- Other options: top cover, perforated or dimpled pans, variable speed drive, electrical controls.



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SPECIFICATIONS

The **Mayfran Part-Tote Conveyor** employs a series of articulated compartments, each of which is linked to the roller chain moving the conveyor. Parts deposited in the hopper near the bottom of the conveyor are transported upward in these compartments. Upon reaching the top of the conveyor, parts are discharged into an overhead hopper, vibratory bowl, etc. In most applications, the conveyor control is designed to feed on demand, oper-

ating intermittently as required by parts usage.

The unique construction of the compartments allows the conveyor belt to travel along both convex and concave curves to handle difficult transport paths.

Conveyor components are high quality, heavy gauge stampings that ensure close fitting compartments capable of handling even the most difficult parts without damage or loss.



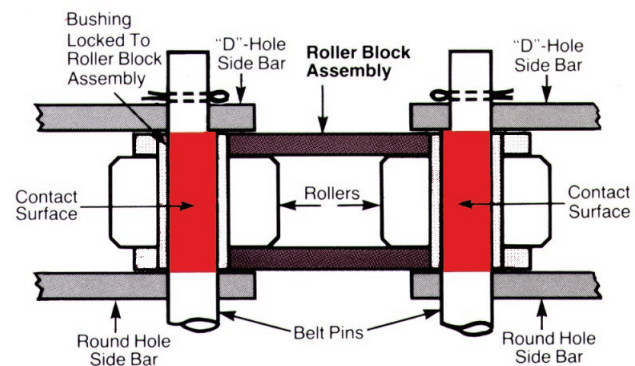
Frame and belting design accommodate a wide range of parts.

Durable roller chain construction. When conveyor belts must be replaced, it is usually because of chain wear, not from heavy loads or high impacts. Chain wear is caused by the relative motion (rubbing) of the parts within the joint. Mayfran has greatly reduced chain wear by proper design and construction of the chain and belt sections. The drawing on the right shows the large contact surface within the Mayfran chain joint. This design causes relative motion to occur evenly along a larger section of the pin, distributing pressure and reducing wear.

Some other manufacturers' conveyor chains concentrate force on a small area of the pin. This increases joint pressure which leads to chain wear and reduced chain life. Because joint pressures are inversely proportional to chain life, Mayfran developed a design to distribute pressure more evenly.



Flush interacting side wings, integral to the pan, create a sealed belt.



To order, or for more information regarding specifications and available options such as supports, hoppers, etc., contact your Mayfran representative or call Mayfran International.