

GLT:

The Transport Conveyor

The Conveyor:

The foundation of the Glide-Line pallet handling system is a multi-strand conveyor designed to transport work piece pallets and other media from workstation to workstation. Transport conveyors offer multiple connection alternatives to suit a variety of assembly system requirements and are available with multiple power input options as well, including 24VDC motors.

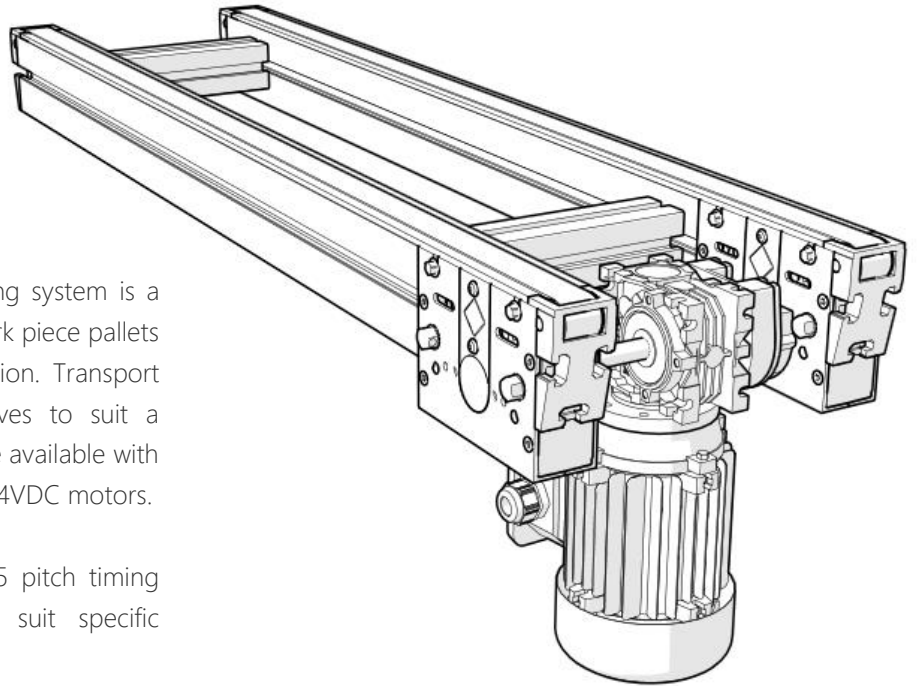
The transport conveyor utilizes 25mm wide T5 pitch timing belt, and has various covers available to suit specific applications:

- Standard Polyamide for conveyance and accumulation
- Antistatic Polyamide for conveyance and accumulation
- Polyurethane cover for high friction applications. This surface is certified for use in Clean Room applications up to ISO Class 5, or FED STD 209E Class 100

The conveyor frame includes T-Slots on both sides and the bottom of the aluminum extrusion allowing for a high degree of freedom when mounting devices and other items. T-Slot geometry and locations conforms to many other leading brands, allowing for bolt-up compatibility.

The conveyor configuration platform is flexible allowing users to specify exact drive package, cross-member, leg-set, and frame breakpoint locations.

Conveyor design allows for all maintenance operations (including belt changes) to be completed from the top. Cam-style belt tensioners allow for consistent belt tension, and do not require adjustment over the service life.



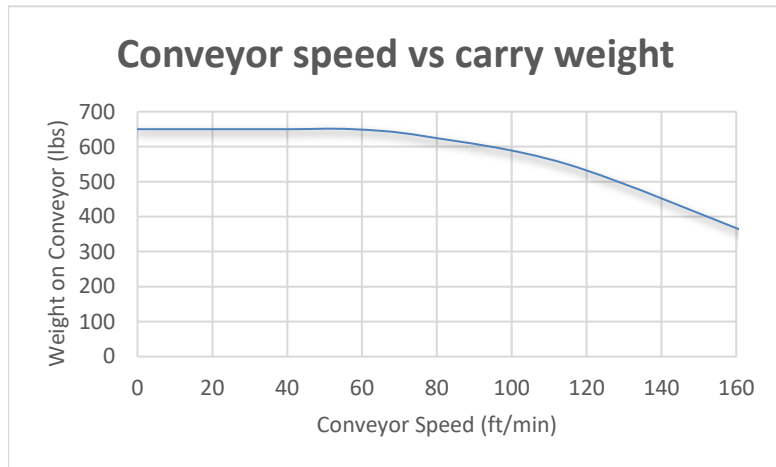
Part Number:

GLT(A)-(B)(C)-L(D)-D(E)-(F)-(G)-(H)-(I)-(J)-(K)

- A** - Number of Conveyor Strands
- B** - **GW** for Guided Width, Switch to **PW** for Pallet width or **OW** for Overall Width
- C** - Width of conveyor in mm
- D** - Length of Conveyor in mm
- E** - Distance of motor package from end of conveyor in mm. Can also take the value of **L** for Left, **R** for Right, or **C** for centered
- F** - Belt Type, **S** for Standard polyamide cover, **A** for Antistatic, **P** for no cover
- G** - Motor/Gearbox Combination Code
- H** - Gearbox strand position
- I** - Gearbox Worm Position, **W1** and **W2** available
- J** - Gearbox Reduction (5 to 100 available)
- K** - Motor rotation: **45, 90, 180, 270, and 315** available

Maximum Loading for Twin Strand Conveyor

The following graph details the maximum non-accumulated load conveyable at speeds up to 164 ft/min (50 M/min). This is accomplished utilizing our ½ HP VAC motor, and standard belting. The conveyor platform can perform at higher capacities so long as certain conditions are met, but must be reviewed by our Applications Department.



Quick-Ship Motor Options

208, 230/460VAC 3 Phase
 110VAC 1 Phase
 24VDC (100-200 Watt Available)
 24VDC Nanotec Stepper

Quick-Ship Gearbox Reductions (X:1):

10, 15, 20, 28, 40, 56

Additional Available Reductions (X:1):

5, 7, 70, 80, 100

Minimum Conveyor Configurations

Min. Gap between Strands

25mm

Min. Strand Length

174mm

Max Strand Length

7620mm

Multi-Strand Conveyors

Glide Line Conveyors offer an exceptional amount of design flexibility, easily allowing users the ability to create multi-strand conveyor systems for handling wide objects. Adding conveyor strands increases the available capacity of the conveyor, as well as distributing the load along the conveyed surface. This solution has been successfully adapted for conveying glass panels providing a stable, non-marring surface.

