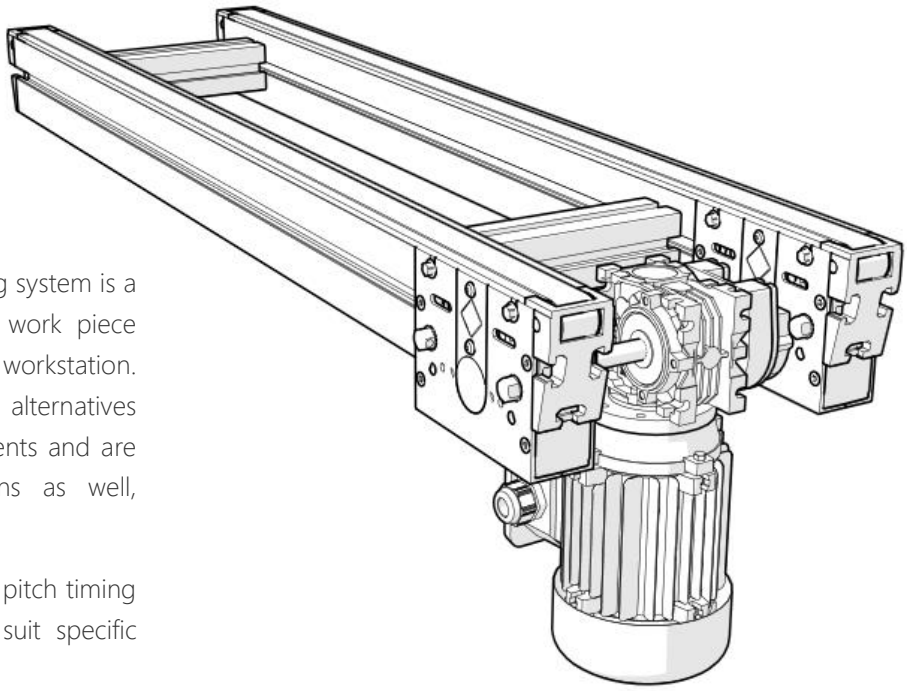
Glide-Line™
255 Schoolhouse Road
Souderton, Pennsylvania 18964

Phone: 215-721-1900
Fax: 215-721-0633
www.glide-line.com
V2.0

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 materials available to suit specific applications:

- Standard Polyamide for conveyance and accumulation
- Antistatic Polyamide for conveyance and accumulation
- Polyurethane material 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 10mm 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, and frame breakpoint locations. The standard distance conveyors are set apart from one another in a system is 4mm.

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)-C(L)

A	- Number of Conveyor Strands
B	- PW for Pallet Width, Switch to GW for Guided 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, CL for centered left, or CR for centered right
F	- Belt Type, S for Standard polyamide cover green belts, A for Antistatic black belts, P for no cover poly-urethane white belts
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: 0, 45, 90, 180, 270, and 315 available
L	- crossmember location and/or breakpoint

Glide-Line™
255 Schoolhouse Road
Souderton, Pennsylvania 18964

Phone: 215-721-1900
Fax: 215-721-0633
www.glide-line.com
V2.0

Maximum Loading for Twin Strand Conveyor:

Gearbox Size	Transport Load allowable (LBS)	Accumulation Load allowable (LBS)
Size 30 Gearbox	250	100
Size 40 Gearbox	500	200
24VDC (Direct Drive)	50	0*

Accumulation load values are based on operating belt speed of 60ft/min (standard offering).
Transport load values are based on max allowable load operating at slower speeds (ideally: 5-25 ft/min).

DC Direct drive motors cannot accumulate any load due to no cooling fan in the motor. Must be set up as an indexing system, motor should NOT be run continuously

Motor Options:
208, 230/460VAC 3 Phase**
24VDC (100-200 Watt Available)
24VDC Step Servo

**All 3 phase AC Motors are VFD capable. Please note allowable loading is based on motors running at 60 Hz. Operating at lower frequencies will reduce overall torque output of the gearbox.

Minimum Conveyor Configurations

Min. Gap between Strands	25mm
Min. Strand Length	174mm
Max. Strand Length	7620mm

Gearbox Reductions for ¼ HP AC (X:1):
7.5, 10, 15, 20, 25, 30, 40, 50
Other options (long lead time): 80
Gearbox Reductions for ½ HP AC (X:1):
5, 7.5, 10, 15, 20, 25, 30, 40, 50
Other options (long lead time): 60, 80, 100
Flangeless Universal Gearbox Reductions (X:1):
7, 10, 15, 20, 28, 40
Other options (long lead time): 49, 56, 100

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 (not available with direct drive DC). Our available standard offering is up to 5 strand conveyors, custom solutions are available for more than 5 strands, please contact Glide-Line Applications for more information.