

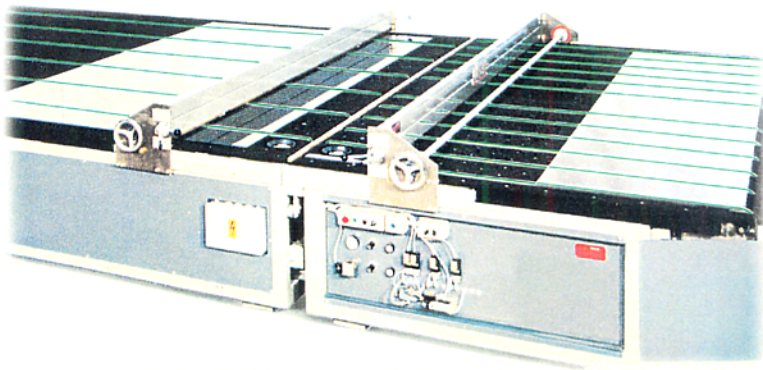
# Synchronous Conveying for the Glass Industry

The **float glass process** is the first stage of sheet glass processing. This process creates a flowing ribbon of molten glass which, when cooled, is cut into manageable flat sheets.

The glass sheets are best transported by **urethane timing belts**. Timing belts create **ideal synchronization** between all belts, eliminating

the possibility of skewing of the glass as it is conveyed.

These belts are employed in many applications throughout the fabrication process.

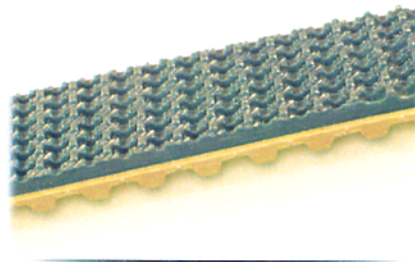


*These urethane timing belts all run on a common line shaft, driven by a truly endless, power transmission belt such as a Mectrol Flex Belt.*

The **Mectrol timing belt**, used on a typical transfer conveyor, is 32mm wide, T10 pitch with steel reinforced cord, backed with rough top material and welded endless to a specific length.

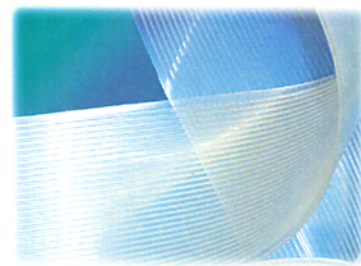
## Mectrol's Belt Solution Offers

- Uniform Surface Speed Across All Belts
- Non-Marking Friction Grip
- Higher Load Rating
- Clean and Quiet Operation
- Abrasion and Chemical Resistance



## Standard Friction Surfaces

- Rough Top
- Urethane backings with various coefficients of friction
- UM2, 75 Durometer Urethane
- Longitudinal Glass Profile



Glass Industry

## Equipment Using Timing Belts

- Cutting Tables
- Stackers
- Accumulators
- Conveyors
- Laminating
- Washing
- Bending/Forming Feed and Unloading
- Edge Grinding
- Beveling
- Window Framing

## Flat Glass Is Used To Produce

- Architectural Glass - Windows
- Automotive Glass - Windshields
- Aquariums
- Doors
- Decorative Glass - Mirrors
- Other custom products

## Mechanical Laced or Fastened Timing Belts

Most power transmission applications require truly endless or flex belts.



In linear positioning applications, the ends of the belt are secured with a clamp. Indexing and conveying applications use linear belting, which is welded endless by Mectrol.

An excellent alternative for conveying applications, which offers the fastest change over in belt replacement, the

**Mechanical Fastener** installs on the belt with a metallic or non-metallic lacing and the fastened ends are connected with a pin. Simply reapply tension and you're ready to go.

## Field Welder

We understand how difficult installation of endless timing belts can be on flat glass transfer conveyor systems.

With **Mectrol's Field Welding System**, you can reduce your down time to 15 minutes.

Timing belts are sent to you with prepared finger spliced ends ready to be welded endless in your plant.

