



PERFECT SCORE TECHNOLOGIES

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Tilt Top Grid Applicator Table

Model: TTGT

Designed for Insulated Glass Unit (IGU) Assembly, Grid Alignment, and Final Lite Mating

The PST Tilt Top Grid Applicator Table is engineered to streamline the final assembly stage of insulating glass units by allowing operators to precisely align muntin grids and accurately mate the second lite to the first. With an 85-degree tilting top, vacuum/air flotation control, and precision alignment stops, the system ensures fast, accurate, and safe IGU build-up while reducing operator effort and improving assembly consistency.

Features & Benefits

- Designed for precise alignment of muntin grids and final IGU assembly.
- Table top tilts up to **85°** for ergonomic and efficient glass mating.
- Heavy-duty 3" x 2" MIG-welded tubular steel frame for long-term durability.
- Hydraulic dual-cylinder tilt system for smooth and controlled operation.
- Filtered plenum air flotation system reduces dust and improves cleanliness.
- Reversible air flow provides vacuum hold-down to secure glass during assembly.
- Arborite solid slab work surface resists scratching and improves glass protection.
- CNC-machined grid top (5/8" spacing) for precise alignment (optional without grids).
- Pneumatic pop-up and cam alignment stops for accurate positioning.
- Dual filter system ensures clean air delivery to flotation system.
- Full safety interlocks prevent unsafe tilt or operation conditions.
- Heavy-duty construction designed for continuous industrial use with minimal maintenance.

Model	TILT TOP GRID APPLICATOR TABLE	
	Shipping Specifications	
	Weight (lbs)	Dimensions (HxWxD)
TTGT-72X84	1880	93 x 82 x 46
TTGT-72X96	1980	104 x 82 x 46
TTGT-84X84	1980	93 x 92 x 46



Technical Highlights

- Tilt Angle: **Up to 85°**
- Air System: **3 HP filtered air flotation with vacuum hold-down**
- Tilt Mechanism: **Dual hydraulic cylinders with pillow block bearings**
- Surface: **Arborite solid slab (optional CNC grid cut 5/8")**
- Electrical: **230V / 460V / 480V, 3-phase, 60 Hz (customer specified)**
- Safety: Integrated interlocks for tilt and vacuum operation

Operating Sequence Overview

1. First lite is positioned on the table and secured via air flotation or vacuum hold-down.
2. Muntin grids are accurately aligned on the first lite.
3. Operator prepares second lite for assembly.
4. Table top tilts up to 85° for ergonomic mating of glass lites.
5. Second lite is carefully aligned and placed onto first lite.
6. Table returns to flat position for transfer to next production stage.

Why Choose the PST Tilt Top Grid Applicator Table?

- Increases speed and accuracy of IGU final assembly operations.
- Reduces operator strain through ergonomic tilt-assisted design.
- Enhances alignment precision with grid top and adjustable stops.
- Improves safety with integrated interlocks and controlled tilt system.
- Built for heavy-duty, high-production environments with long service life.