



PERFECT SCORE TECHNOLOGIES

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Premium Tilt Applicator Seal Table

Model: PTAST

Designed for Advanced Insulated Glass Unit (IGU) Assembly, Taping, and Tilt-Assist Topping Operations

The PST Premium Tilt Top Applicator Seal Table is a high-performance IGU assembly system engineered to improve speed, accuracy, and operator comfort during sealing spacer application and glass unit assembly. Building on the standard Premium Applicator Table, this model adds a pneumatic tilt-top feature that simplifies the transition from spacer application to final unit assembly. With vacuum hold-down, grid alignment, pop-up stops, and controlled glass movement, it delivers maximum precision and efficiency in demanding production environments.

Features & Benefits

- Designed for fast application of sealing spacer tape and IGU assembly.
- Pneumatic tilt-top table simplifies topping of second lite onto first lite.
- Automatic cup movement maintains proper glass edge positioning during rotation.
- Manual cup rotation enhances operator safety and control.
- 3 HP plenum air flotation system enables effortless glass handling.
- Vacuum hold-down securely stabilizes glass during assembly.
- Hard surface grid top (5/8" centers) ensures precise alignment.
- Three pop-up alignment stops improve squaring accuracy and repeatability.
- Rodless pneumatic cylinder and linear way system provide smooth, controlled motion.
- PLC-controlled operating sequence enhances reliability and consistency.
- Heavy-duty 3" x 2" MIG-welded tubular steel frame for long-term durability.



Technical Highlights

- Table Size: **84" x 84"**
- Tilt System: **Dual 5" pneumatic cylinders**
- Air System: **3 HP plenum air flotation with dedicated supply**
- Control System: **PLC-controlled operation**
- Vacuum System: Integrated hold-down
- Alignment System: Grid top (5/8" spacing) + 3 pop-up stops
- Construction: Heavy-duty welded steel frame

Shipping Weight: 2225 lbs **Dimensions:** 89 x 87 x 43 (HxWxL)

Ships FOB Dallas, TX

Operating Sequence Overview

1. Glass lite is placed and centered over the vacuum cup.
2. Vacuum is activated via foot pedal to secure the lite.
3. Spacer tape is applied while the glass is rotated.
4. Table maintains edge alignment and locks at 90° intervals.
5. Process is repeated on all four sides.
6. Vacuum is released after completion of sealing.
7. First lite is aligned using pop-up stops and muntin bars installed.
8. Pneumatic tilt-top is activated to assist topping of second lite.
9. Table returns to flat position and completed IG unit is transferred to heat press.

Why Choose the Premium Tilt Top Applicator Seal Table?

- Combines automated sealing, alignment, and tilt-assisted assembly in one workstation.
- Increases production speed while reducing operator strain and fatigue.
- Improves IG unit accuracy and consistency through controlled positioning systems.
- Enhances workflow efficiency by integrating sealing and assembly steps.
- Built for heavy-duty industrial use with low-maintenance, high-reliability design.