



PERFECT SCORE TECHNOLOGIES

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Vertical Grid Easel

Model: VGE

Designed for Vertical IG Unit Grid Alignment, Muntin Installation, and Lite Topping

The PST VGE-48x84 Vertical Grid Topping Easel is engineered to simplify and improve the accuracy of insulating glass unit assembly by providing a stable, angled working surface for precise muntin grid alignment and glass lite mating. With a durable solid slab grid-marked surface and adjustable alignment stops, it allows operators to efficiently build IG units while maintaining consistent spacing, alignment, and glass protection.

Features & Benefits

- Designed for vertical alignment of muntins and IG unit assembly.
- Heavy-duty 2" x 2" MIG-welded tubular steel support frame for maximum stability.
- Solid slab work surface with CNC-scored grid lines on **5/8" centers** for precise alignment.
- Non-scratch surface protects glass during handling and assembly.
- Working surface size: **48" x 84"**.
- Tilts to **85° vertical position** for ergonomic assembly operations.
- Four bottom-edge vertical supports/stops stabilize glass during muntin installation.
- Dual aluminum 40 x 40 mm extrusions with adjustable glass alignment stops.
- Side alignment stop can be positioned for left-to-right or right-to-left workflow.
- Flexible setup allows operators to customize processing direction and layout.

Technical Highlights

- Model: **VGE-48x84**
- Working Surface: **48" x 84"**
- Tilt Angle: **Up to 85°**
- Frame Construction: **2" x 2" MIG-welded tubular steel**
- Grid Spacing: **5/8" CNC-scored alignment lines**
- Adjustable Stops: Side-mounted aluminum extrusion alignment system
- Operation: Manual tilt vertical easel system
- Shipping Specifications: **600 Lbs., 90 x 48 x 80 (LxWxH)**

Operating Function Overview

1. Glass lite is positioned against bottom supports for initial alignment.
2. Operator references grid lines to install muntin bars accurately.
3. Side alignment stops ensure correct lateral positioning of glass.
4. Second lite is aligned and topped onto assembled grid unit.
5. Completed IG unit is removed for transfer to next stage of production.

Why Choose the PST Vertical Grid Topping Easel?

- Improves accuracy and consistency in muntin grid placement.
- Reduces handling damage with stable, angled vertical support.
- Enhances workflow flexibility with adjustable left/right processing orientation.
- Provides a simple, durable solution for IGU assembly and alignment tasks.
- Built for long-term industrial use with minimal maintenance requirements.

