

Automated Tri-Lite Assembly System.



**i About**

ATLAS® is a revolutionary glass fabrication system that produces triple pane IGUs in 20 second cycle times. The flexibility of ATLAS, its schedule-driven production and seamless integration for existing *Intercept*® lines are only a few of its exceptional innovations. Suitable for handling Intercept Warm Edge as well as standard type and most other brand spacers, ATLAS is adaptive to a range of unique IGU combinations, including efficient assembly of dual or tri-pane units from 14” x 16” to 72” x 100” in size and in any order sequence. The machine-controlled consistency ensures uniform, high-quality IGUs complete with an optimum level of production – dual units at six per minute and triple units at three per minute. Advanced engineering combined with heavy-duty construction makes this system built to last.

**✓ Features**

- Seamless integration with existing GED *Intercept* lines and other spacer systems
- Designed to be flexible, with schedule-driven production
- Visual software interface provides grid, spacer and glass alignment
- Non-contact center lite handling of triple IGUs using vacuum lift mechanisms
- Touchless assembly automatically aligns and assembles center lite
- Queue Management – “Remake/Remove/Add” features
- Automatic assembly of large units and patio doors
- Safety zones and safety features protect operators
- Straight-through or X-Y configurations
- Handles small and large IGUs, duals and triples, in any order or combination

**Performance Specifications**

- **Max. unit size:** 100" x 72" (2.54m x 1.83m)
- **Min. unit size:** 16" x 14" (0.41m x 0.36m)
- **Max. recommended IGU thickness:** 1-3/4" (44.45mm)
- **Max. glass thickness (outer lites):**
  - *Top Lite\**: 0.250" (6mm)
  - *Bottom Lite\**: 0.406" (10mm)
- **Max. glass thickness (inner/center lites):** 0.187" (5mm)
- **Production throughput:**
  - *Straight line configuration:* 5 units/min
  - *X-Y configuration:* 6 units/min
- Handles up to 49" (1.24m) length, two at a time
- **Produces:**
  - *Double IGUs:* 2880 2' x 3' (609.6mm x 914.4mm) or 3 cycles/ min = 6 units (48in/min or 3 units) 48in/min
  - *Triple IGUs:* 1440 2' x 3' (609.6mm x 914.4mm) or 3 cycles/ min = 3/min (914.4mm) or 3 cycles/min = 3/min

**Standard Options & Equipment**

- Air Float Conveyor
- Topping Station
- Modifications to Topping Station
- Clean Room & Topping Station Mezzanine
- Butterfly System
- Roller Table (Qty 4)
- Hinged Roller Table
- Assembly Conveyor #11-12
- Assembly Straight, X-Y RH or X-Y LH Oven Infeed Conveyor
- Perimeter Guards

**System Software**

- ATLAS Assembly Software - Automated R5
- WinIG 5.0

**Upgrade Options**

- Spare Parts Kits
- IG Assembly System—Oven Interface
- ATLAS entry light mounting

**Related Products**

- IG Oven & Roll Press
- Stainless Steel Glass Washer

**Preferred Service Package**

- Pre-installation service call
- Machine installation
- Standard GED 1-Year Equipment Warranty
- Machine operator/maintenance training



**Request for Quote**

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Designed & Manufactured in the USA

**About GED Integrated Solutions**

GED Integrated Solutions is a Worldwide Supplier of fully integrated insulating glass (IG), vinyl window and door robotic automation fabrication systems and software. GED leads the industry with quality, capacity and cost-effective solutions as demonstrated by the revolutionary *Intercept®* Warm Edge spacer frame production systems as well as our innovative vinyl automation systems and value-driven scheduling and analytics software. GED's commitment to innovation, that addresses our customers' needs, is proven by the fact that 22 of the top 25 window and door manufacturers utilize GED's equipment and software.