**THE STORY OF INTERCEPT**

**UNMATCHED PERFORMANCE DELIVERS EXCEPTIONAL ROI**
The INTERCEPT® spacer leads the industry as the most efficient and cost-effective warm edge spacer system in the world. Since its inception, INTERCEPT® has produced 16 billion feet of proven performance in 900 million windows across North America and Europe. The key to the INTERCEPT® manufacturing platform is a combination of low consumable costs with the power to make your own superior quality spacers and IGUs. INTERCEPT®’s unique design is stronger, more durable, and more thermally efficient than competing spacers.

**QUALITY**
We never cut corners – INTERCEPT® spacers offer the longest moisture vapor transmission path in the industry. Unlike traditional foam spacers, its design features a one-piece metal U-channel that resists seal failure because it flexes instead of stressing the primary sealant. Its unique design features and physical material strength create an effective thermal barrier in Insulating Glass Units. INTERCEPT®’s recently patented INTERCEPT Corner+ technology improved the integrity of the “4th corner” by making all corners identical maximizing IGUs gas retention and thermal performance over time, and allowing robotic process automation for gas fill, close, seal with RoboSeal+.

**COST**
INTERCEPT® spacers are faster and less expensive to produce than competing spacers. The highly automated INTERCEPT® system delivers more than $100 million in annual savings to the fenestration industry which equates to at least $3.00 per window in material savings alone. With INTERCEPT® your labor efficiency (units per man hour) is nearly double that of competitive systems and the material cost is half that of competitive systems.

**CAPACITY**
The INTERCEPT® manufacturing platform produces up to 3 times more IGUs per 8-hour shift than competitive systems. At 2,880 IGU per eight hour shift, an INTERCEPT® line provides the manufacturing capacity you need to grow your business, even during peak season.

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**INSULATING GLASS SYSTEMS**

Cut and edge delete your glass all in one platform to guarantee quality and reduce breakage. Take advantage of the full functionality of GED’s integrated optimization software. Keep your lines running with high throughput cutting tables from GED. Available in multiple sizes and configurations to suit your glass cutting needs.

GED’s revolutionary washer improves washing and drying of pre-cut glass for IGUs. Operators are no longer exposed to dangerous chain-driven rollers with the addition of simple, safe, easily replaceable drive belts. Operators can now see the entire processing area with our low profile machine. Our powerful diagonal air knife allows us to utilize the full width of the washer.

The heart of the glass fabrication system. Make your own finished metal spacers from flat coil stock with exact placement of corners and punch-outs using the most cost-effective method possible. Choose between the INTERCEPT 2.5 and INTERCEPT i-3 depending on the amount of flexibility and automation you desire.

A compliment to spacer fabrication, the SmartExtruder+ dispenses the exact amount of sealant in the exact location every time. Dual desiccant and dual sealant versions available.

The fastest, most energy-efficient way to produce IGUs, offering significant energy savings from previous technologies. With high-intensity infrared emitters and intelligent control, it ensures even heating across the length and width of every unit. The shape of the emitters and gold plating direct energy to the seal line for consistent wet-out, and high-temperature ceramic rolls allow for quick shut down and no warping.

Increase the value and aesthetics of your product offering with on-demand manufacturing of flat and contoured muntin bars. Integrate with GED Software to take full advantage of schedule driven production for exact size muntin assemblies when you need them.

ATLAS+ is a revolutionary assembly system that produces triple pane IGUs in 20 second cycle times. Suitable for handling INTERCEPT Warm Edge, standard type, and most other brand spacers, ATLAS adapts to a range of unique IGU combinations, including dual or tri-pane units in any order sequence.

RoboSeal+ efficiently finishes the assembly process of both double and triple pane INTERCEPT insulating glass units (IGU) with three robots that gas fill, close and seal. With the ability to produce six units / minute for double IGU and three units / minute for triple IGU, this system handles IGUs up to 72” by 100” with glass as thick as 6mm.

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**INTERCEPT 2.5**
The flagship product of the INTERCEPT® machine family with 30 years of refinements and improvements since the first generation of INTERCEPT.

**INTERCEPT 1.3**
10-station material uncoiler and automatic width adjustment on all elements of the system give you lean manufacturing and flexibility while providing accurate, consistent high quality throughput with no manual intervention.

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The story of INTERCEPT®
For over 40 years, GED has been leading the door and window fabrication industry with introductions of innovative robotic, automation and software solutions to IG and window manufacturing processes.

GED will work with you to create a customized floor layout to fit your manufacturing needs.
ADVANTAGES OF INTERCEPT LINE

IG EXPERT TEAM
At GED, our vision is to collaborate with our customers and provide support in all integral components of the manufacturing cycle. Your success in making excellent quality products, with the shortest lead time and lowest cost possible is our shared objective.

THE IG EXPERT TEAM CAN BE CONSULTED REMOTELY AS WELL AS CONDUCT PLANNED ON-SITE VISITS TO CLOSELY REVIEW THE PRODUCTION PROCESS AND PROVIDE RECOMMENDATIONS THAT WILL ASSIST IN ACHIEVING THE FOLLOWING:

- Maximize machinery uptime
- Optimize over all IG product quality
- Improve IG production capacity
- Minimize material waste
- Systematically meet IG certification standards
- Assist in systems thermal modeling and facilitate comparative product cost analysis.
- Share industry best practices

To schedule an appointment please contact us at 330-289-5936 or IGUTeam@gedusa.com

NEW WITH INTERCEPT

GED strives for quality in everything we do, focusing on our customers first.

SMARTEXTRUDER+™
Sealant & Desiccant Application System
SmartExtruder+ delivers the exact amount of sealant to the right location throughout the production shift. Its precision gear pump eliminates pressure spikes and reduces inconsistencies due to material viscosity, air pressure or ambient temperature.

ROBOSEAL®
Gas Fill - Close - Seal System
The first fully automated, robotic quick gas fill, close & seal system in the industry. RoboSeal efficiently finishes the assembly process of both double and triple pane Intercept insulating glass units (IIGUs).

Get your facility operating at optimum quality, safety and efficiency by enrolling your manufacturing and operations team in GED Training courses.

In order to ensure our customers are efficiently producing high-quality products, we offer a variety of training courses to certify your employees in proper maintenance and operation of state-of-the-art GED equipment and technology.

Our mission is to equip your staff with crucial industry knowledge—as well as machine-specific and technical knowledge—essential to maintain and operate GED products such as the Intercept® Spacer Fabrication Systems, Stainless-Steel Glass Washers and more.

LEARNING EXPERIENCES

In-House
at GED’s CX Center

On-Site
at the customer’s facility

Online
at training.GEDUSA.com

UNPARALLELED SERVICE & SUPPORT

Consumables
Installation
Software Support Services
Aftermarket Parts
Technical Service & Support
Technology & System / Software Upgrades

At GED, we understand our responsibility to the customer does not end after installation. On the contrary, the completion of a successful “startup” marks the beginning of an important relationship.

GED equipment and GED Software play a vital role in your operation. To this end, it is our mission to ensure complete satisfaction with the operation of your equipment and software.

From our knowledgeable Field Service Technicians and support staff to our expanded training facility in our CX (Customer Experience) Center, GED is committed to providing our customers with superior service.