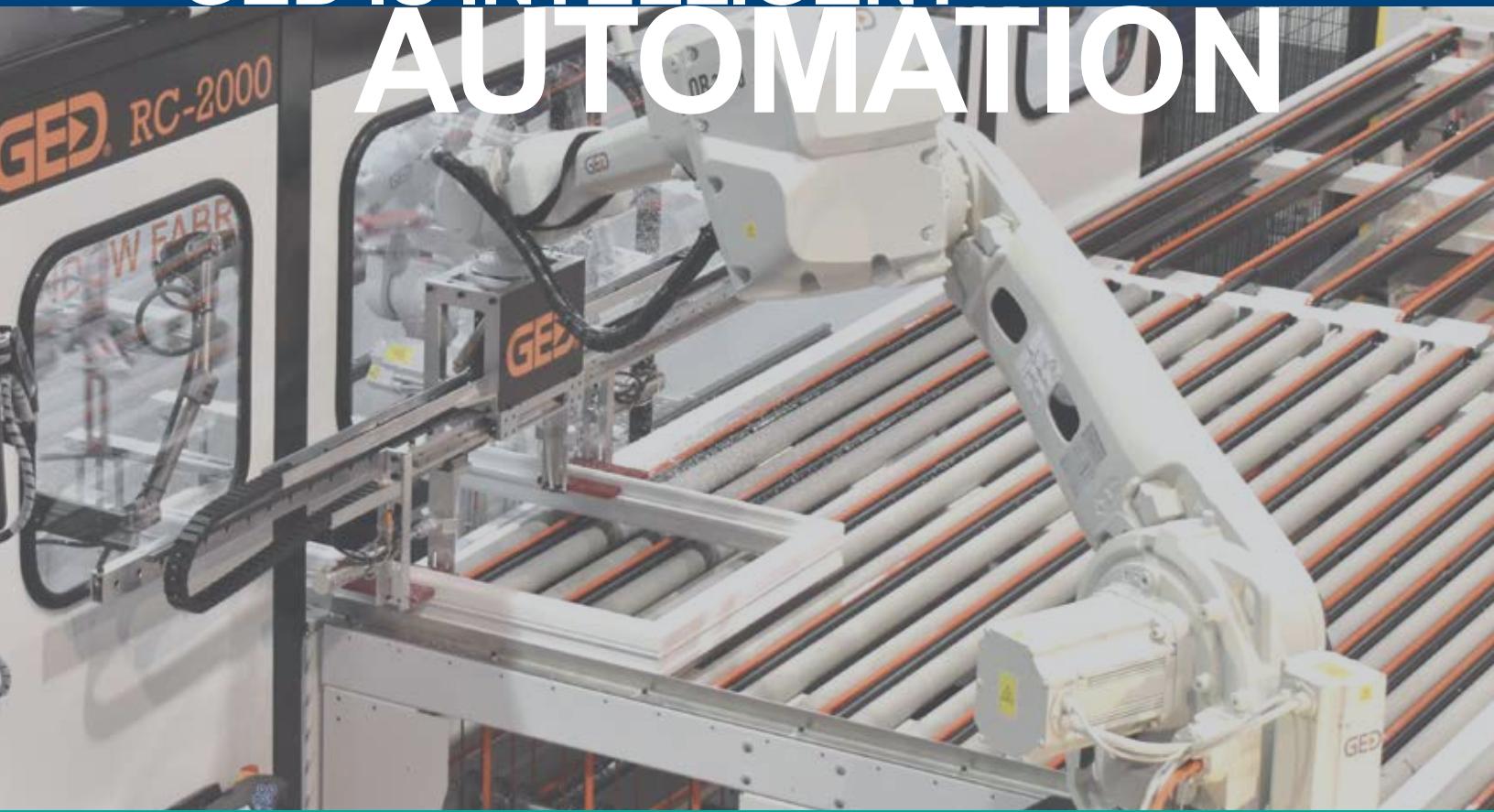


GED

CORPORATE CAPABILITIES



GED IS INTELLIGENT AUTOMATION

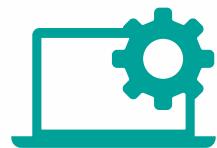


Technology focused. Committed to quality.

GED makes sure that you have the latest machinery and technological advancements available to ensure high quality, improved capacity and lower total costs.



No one offers a more comprehensive software solution to tie every aspect of your manufacturing process together than GED.



ROBOTIC AUTOMATION

SOFTWARE INTEGRATION

HUMAN INNOVATION

GED is a worldwide supplier of fully-integrated insulating glass (IG), vinyl window and door fabrication systems and software solutions, as well as the revolutionary *Intercept*[®] Warm Edge spacer frame production system. GED's commitment to innovation that addresses its customers' needs is proven by the fact that 22 of the top 25 window and door manufacturers utilize GED equipment and software solutions.



GED is Intelligent Automation,
advancing the productivity of
fenestration OEMs



Intelligent Automation is a
combination of machinery
automation and human innovation

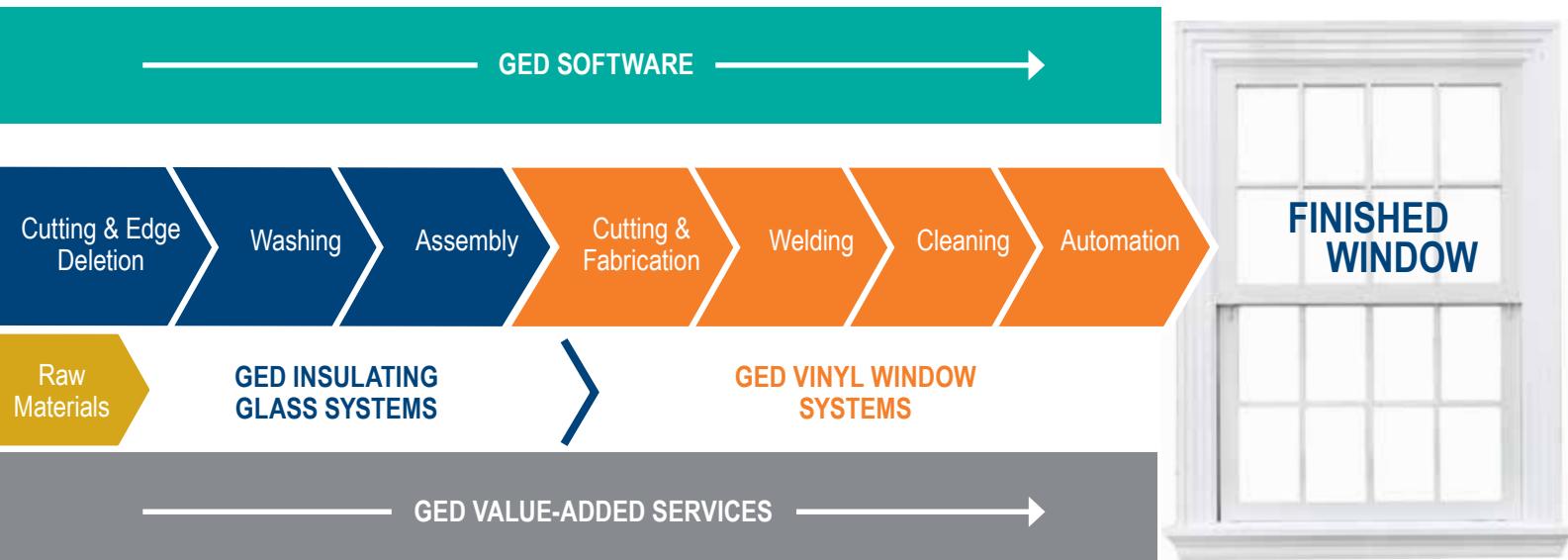
“Customer Experience Center”
allows customers to directly engage with
GED’s entire suite of Intelligent Automation
machinery and software offerings

COMPLETE CONNECTION



GED is the only TOTAL PACKAGE window manufacturing supplier.

GED Software drives your IG and window production by connecting your front-end system directly to your glass and window fabrication systems. No one offers a more comprehensive manufacturing execution system (MES) to tie every aspect of your manufacturing process together than GED.





IG FABRICATION TECHNOLOGY

- Intercept® Spacer Systems
- Glass Cutting Systems
- Glass Washing Systems
- Ovens
- Grid & Muntin Fabrication Systems
- RoboSeal® Gas Fill, Close Seal System
- Assembly
- Screen Frame Machines



VINYL WINDOW FABRICATION TECHNOLOGY

- Saw & Fabrication Systems
- Multi-processing Systems
- Welding Systems
- Cleaning Systems
- Automated Systems



AFTERMARKET PARTS, SERVICES & UPGRADES

- Standalone Software and / or Technology upgrade Kits
- eCommerce Parts Ordering System
- Full-time Technical and Software Support Teams
- High-touch Customer Training Programs



CONSUMABLES

- Belts, cutting oils, emitters, Personal Protective Equipment, and more
- Online ordering
- Verified and approved by GED



A HISTORY OF INNOVATION



Since 1977, GED has been the leading manufacturer of insulating glass and vinyl fabrication equipment and software for the residential window and door industry.



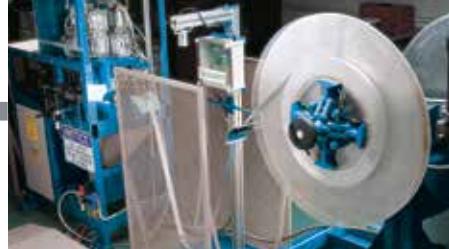
1977



WE ARE GED

Company founded

1992



INTERCEPT® IS BORN

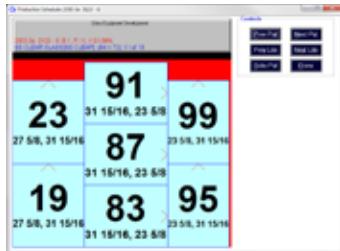
Develops *Intercept* Gen "1.0" spacer machinery to commercialize *Intercept* IG spacer system

1996: Gen 2.0

2005: i-3

2014: Gen 2.5

1994



HIGH TECH

Introduces WinIG® software platform

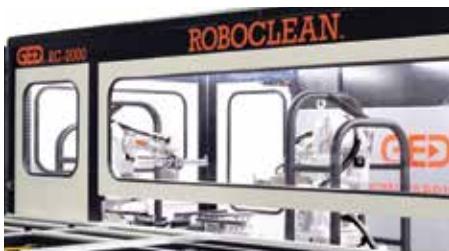
2004



ACQUISITION

Acquires Sampson Automation, a leading vinyl machinery manufacturer

2014



ROBOTS

Introduces RoboClean® robotics into vinyl corner cleaning products

2017



40 YEARS!

40-year anniversary

25 years of *Intercept* Spacer System

RoboFlow™ QB introduced

2018



OUR NEW HOME

Move to new building in Glenwillow, Ohio

WinTrax™ & RoboSeal™ introduced

GED BY THE NUMBERS

16 BILLION

feet of proven performance using the *Intercept®* System

22

out of top 25 vinyl window and door manufacturers utilize GED's equipment and software solutions

900 MILLION

windows in North America and Europe that use the *Intercept®* Spacer System

4-6%

material yield improvement vs. competitors using GED optimization software*

1400 PLUS

installations GED Software manages to the total window manufacturing process

1ST

supplier to provide robotic solutions to vinyl cleaning

43

years in business

28

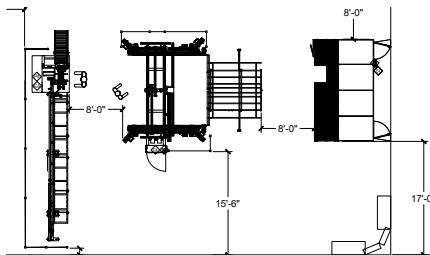
years of *Intercept®* Spacer System

13

Crystal Achievement Awards

*dependent on product mix

THE CUSTOMER JOURNEY



1 Customer's needs are identified, and our team gets to work on a customized project plan.



2 From raw materials to software programming on the machine, GED builds each project with the customer in mind.



3 GED provides value-added services through all phases of the order process to ensure superior customer satisfaction.



4 Our doors are always open. We invite customers in on a regular basis as their equipment is being built.



5 The customer gives the final approval before shipment.



6 Our services don't stop after installation. We offer training, quality checks, and continual parts and service availability.

A CULTURE OF COMMITMENT

Through automation, robotics and software, GED helps customers achieve improved profits and satisfied customers.



*Passion,
Freedom,
Pride,
Excellence,
Virtue*

*We are committed to providing a **genuine, engaging** and **dependable** customer experience, where our customers can trust that we are committed to their success, as well as ours.*

We strive to provide guidance and resources across all interactions to achieve 100% satisfaction of our external customers and internal associates.

COMMITTED TO...

GED designs and builds equipment suited to meet your glass and vinyl production requirements. Our software engineering team can customize GED software applications to optimize your specific operations process. With GED, ***the possibilities are endless.***

PRODUCTIVITY

EFFICIENCY

TECHNOLOGY

QUALITY

CUSTOMER FOCUS



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

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.

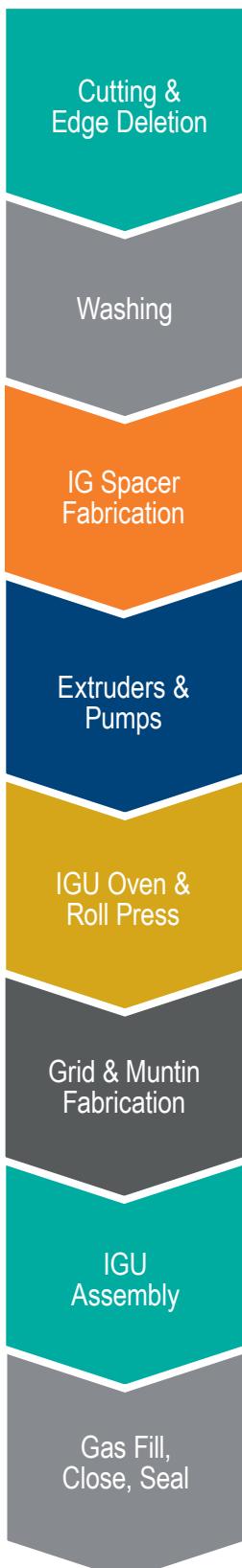
GED equipment and GED Software play a vital role in your operation. To this end, it is our mission to ensure complete satisfaction with the operation of your equipment and software.

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.



PRODUCTS AND SERVICES

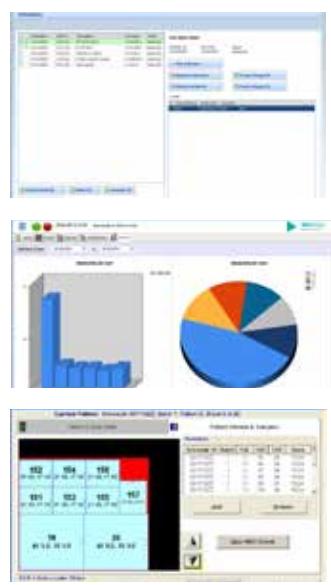
IG SYSTEMS



WINDOW SYSTEMS



SOFTWARE





— THE LEADER —

INSULATING GLASS AND WINDOW SYSTEMS AND
SOFTWARE SOLUTIONS



CONTACT US

31100 Diamond Parkway
Glenwillow, Ohio 44139

P: 330-963-5401
F: 216-539-0677

GET CONNECTED

Visit us online at
www.GEDUSA.com



EQUIPMENT & SOFTWARE SUPPORT

P: 330-963-5401
F: 216-539-0677