UGE
UNIVERSAL
GLASTEEL
EQUIPMENT

AN INTERNATIONAL
PROCESS PLANTS COMPANY

2025 Corporate Overview

About UGE

Our products and services

1. **We supply brand new, world-class reglassed and good used glass-lined equipment.** This includes reactors, tanks, dryers, mixers, etc., and the underlying component parts.
2. **We reglass customer-owned equipment** to renew the life of your equipment.
3. **We buy, trade and exchange.** We need your surplus glass-lined equipment and components to resell or use as cores in our reglassing business. Our InstantGlass exchange system helps you reduce your cost because the value of the equipment you're exchanging can offset costs, regardless of condition. Your bad reactors are not scrap. We are also happy to outright purchase your glass-lined, Hastelloy and stainless steel equipment for cash.

Why UGE?

Our value propositions

1. **We save you significant lead time and capital** on your equipment purchases without sacrificing quality.
2. **We have the right choice for your needs.** We offer new, reglassed and good used glass-lined process equipment – immediately available and at the quality you expect from new OEMs.
3. **We are creative problem solvers.** As an example, you can trade your non-essential assets to offset your costs to purchase our assets and services by trading in your glass-lined, stainless steel, Hastelloy or other types of process equipment, much of which may be fully depreciated.

Why UGE?

“Glass-lined equipment is our specialty. In fact, UGE has been synonymous with like-new, glass-lined equipment at discounted prices with high quality and durability since 1995. Today, we have expanded our business to include new glass-lined equipment. We typically have 100 glass-lined reactors and vessels in stock ready to ship and hundreds of glass-lined parts on the shelves in the U.S. and Europe to offer our InstantGlass exchange program to meet your needs immediately.”

– Ronald Gale, Chairman & Co-Founder

We Provide Solutions

Timing, quality and price are everything.
Get what you need, when you need it.

Our skilled engineering, glass-lining and assembly experts help deliver value through the prompt delivery of new, reglassed and good used glass-lined process equipment, as well as reglassing services for your current equipment.

900+
Glass-lined parts in stock

21,000
Customers globally since 1995

100+
Vessels ready to ship

7
Days (or less) lead time
for parts, vessels & assemblies

New Equipment from UGE

Price, Delivery Time or Quality. You don't need to choose!

At our design-fabrication facilities, UGE builds new glass-lined reactors, tanks and dryers and component parts for our stock. We have new glass-lined reactor units from 30-gallon (100L) through 4000-gallon (16kL) in stock in standard configurations, complementing our inventory of reglassed and good used equipment. Our new vessels are designed with process flexibility, reliability and ease of maintenance in mind. Each piece is built with the highest level of quality UGE customers have expected for nearly three decades. Our U.S. and European stock is immediately available for shipment. Other sizes and custom equipment are also available. Most custom orders can ship in 15 weeks from order!

ASME | National Board | PED | CRN

Replacing with UGE

In addition to rebuilding, reconfiguring and replacing your current equipment, UGE supplies new, reglassed and good used glass-lined equipment from its inventory.

All UGE new and reglassed products include a one-year warranty.

Visit http://www.uge-inc.com/Equipment to browse our inventory of vessels ready to ship, available as currently configured or customized to meet your needs. (For example, customized legs, lugs, agitator, drive and other accessories.)

Our Reglassing Process

Reglassing is a process in which we replace the entire lining in glass-lined equipment. Reglassing saves you time and money.

All glass-lined reactors, tanks, double cone dryers, columns and accessories will be reglassed to the same standards and performance as new. All reglassing is performed in accordance with the equipment's original pressure vessel code.

- Immediate delivery for in-stock reglassed equipment.
- Significantly lower cost vs. new builds. No hidden costs or fees, PLUS a one-year warranty.
- Plug-free vessels.
- Compliance with all applicable construction codes.
- We can review and often rerate or modify vessels to fit your special needs.

Our Reglassing Process

Our multistep reglassing and reconditioning process takes damaged, unserviceable equipment and brings it back to as-new condition with a one-year warranty – at a fraction of the time and price of new. See the steps at uge-inc.com/Our-Process, or on the next page.

But that's not all: InstantGlass is UGE's equipment exchange service for your glass-lined equipment needs. We understand the consequences when a piece of equipment needs to be taken out of service. We can ship from our in-stock inventory and take your core on trade to minimize downtime.

Our Reglassing Process

UGE's 20-step reglassing and reconditioning process

1. Reglassing candidates are identified and evaluated.
2. We strip the equipment.
3. We separate the vessel from its jacket.
4. We blast and inspect the jacket to evaluate any necessary repairs.
5. We blast and inspect the vessel to evaluate any necessary repairs.
6. We blast to white steel for the new glass to be applied.
7. The vessel is loaded into our kiln/furnace. Our detailed process and multiple coats of glass cures the glass lining to the steel.
8. After each coating, we inspect the internal vessel.
9. The vessel moves to its next step once completed.
10. Using a fine wire wand with 20,000 volts connected, we brush the entire enameled surface to look for sparks (imperfections).

Our Reglassing Process

11. More testing: Glass on all openings is double- and triple-checked for wrapping and coverage.

12. Drawings are prepared of the vessel (or reglassed parts) so you know exactly what you'll be getting.

13. The jacket and vessel are rejoined on a cradle and welded back in place.

14. After re-installing the jacket, the glass lining is re-inspected to ensure there is no damage or flaws in the coating.

15. We prep the reassembled equipment for accessory installation.

16. Vessel pressure to code, inspected, certified and code-stamped nameplate(s) attached.

17. The equipment is primed.

18. Finish paint is applied.

19. Custom configuration of agitators, blades, baffles and covers – if directed.

20. Final spark testing and inspection as it heads out for delivery.

The UGE Difference

Advantages of buying from UGE's reglassed equipment inventory:

- Immediate delivery.
- One-year warranty.
- Plug-free equipment.
- Typically R-stamped to meet ASME/National Board, certifications.

Advantages of reglassing your equipment with UGE:

- Short lead times.
- Straightforward pricing model. No hidden fees.
- Same one-year warranty as new equipment.
- Re-rate, modify or customize your existing equipment to meet your changing needs.

The UGE Difference

When your choice is used glass-lined equipment, we offer the highest quality used available. How do we separate ourselves from competitors, who often only provide a spark test? Here's everything we can provide prior to shipping glass-lined reactors from our Eastover, South Carolina and European sites:

- ➡ Spark test the glass-lined body covers and all glass components for imperfections.
- ➡ Hydro test the jacket.
- ➡ Test mechanical seal under pressure.
- ➡ Meg test the motor.
- ➡ Test run the drive.
- ➡ Supply all J-bolts, C-clamps and split flanges in the same quantity as the OEM.
- ➡ Block & brace agitator and drain oil prior to loading onto an air ride trailer.

OPTIONAL: Supply pipe legs with footplates **or** side support lugs.
OPTIONAL: Power wash and/or sandblast and paint.
OPTIONAL: Jacket cleaning.

A Commitment to Quality

UGE's facilities can provide ASME/National Board, EU PED, TUV and CRN certifications, when applicable, for fabrications and repairs by our experienced glass specialists. All of UGE's reglassed and new vessels are backed by our industry-leading, one-year warranty program.

- US ASME U Rated
- US ASME R Rated
- ASME National Board Registered
- TUV AD 2000 Merkblatt HP 0
- TUV ENISO 3834-2
- PED Registered

About Our UGE Blue Glass

Chemical resistant glass is inherently clear. However, clear glass shows and amplifies the substrate steel surface irregularities, making it hard to see defects or problems on the glass surface. Color pigments – such as cobalt (for blue), titanium oxide (for white) and other colors – are used to give the glass surface a better appearance, making it easier to clean and see any defects.

Over the years, blue has been the preferred glass color in the industry.

UGE follows in this tradition, giving all our plug-free vessels and accessories this high polish blue glass finish. **White glass is available upon request.**

Your UGE Resource Guide

For Worldwide Sales and Support

Web: www.uge-inc.com

Phone: +1 (609) 586-8004

Address: 410 Princeton Hightstown Rd

Princeton Junction, NJ 08550 USA

Email: info@uge-inc.com

LinkedIn: https://www.linkedin.com/company/uge-universal-glasteel-equipment

The IPP Family of Companies

INTERNATIONAL PROCESS PLANTS

IPP is a global leader in the purchase and supply of used, new and rebuilt process plants and equipment. Manufacturers save time and money with immediately available assets to grow their capabilities. Our consultative approach and focus on clearly understanding your needs help us deliver solutions quickly and at less cost.

GPS GALE PROCESS SOLUTIONS

GPS supplies custom fabricated process equipment and systems. Instead of building only to order, GPS builds an inventory of new commonly used reactors, heat exchangers, dryers, mixers, centrifuges, etc. with zero lead time. We deliver custom equipment in an average of 12-16 weeks.

UTE UNIVERSAL TURBOMACHINERY EQUIPMENT

Universal Turbomachinery Equipment specializes in upgrading centrifugal compressors and steam turbines to enhance performance and efficiency, offering a fast ROI.

UVI Universal Vortex INC

UVI delivers energy-efficient gas processing solutions for the natural gas, CNG and LNG industries, based on its core non-freeze pressure reduction technology. The UVI Vortex Tube technology is patented and requires no moving parts or external energy in pressure reduction or gas heating/cooling.

Thank you. We hope to see you soon.
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