

ICP INDUSTRY NEWS

GLASS EXPANSION | DECEMBER 2025 | VOLUME 2

Welcome to Our Year-End Edition

We're excited to bring you the second edition of ICP Industry News, our quarterly newsletter designed to keep Glass Expansion subscribers updated on our events, collaborations, and the latest advancements in the Inductively Coupled Plasma (ICP) community. This issue recaps the second half of our action-packed 2025 and introduces tools to streamline your ICP workflows.

Events Recap

Our technical team kicked off the summer at the annual **CAT SOS Dealer event** in Bloomington, MN. We appreciated connecting with CAT dealers from around the world and highlighting Glass Expansion's innovations for oil analysis. Curious about our products for oil analysis?

Download our technical presentation: [Helpful ICP Accessories for Used Oil Analysis](#)

JASIS 2025 - Japan

In September, our Asia Pacific team showcased Glass Expansion at **JASIS 2025** in Chiba, Japan, among over 400 exhibitors. We're excited to return in 2026 with fresh innovations.



Analytica USA - Columbus, OH

At the end of September, the **ICP Alley collaboration** made a strong comeback at Analytica in Columbus, OH—the first U.S. edition of this renowned European conference. We were thrilled by the engaging discussions with visitors and partners, and we anticipate even bigger crowds next time.

Leading into Analytica, we teamed up with ICP Alley partners CEM, GFS Chemicals, and Inorganic Ventures for two pre-show webinars.



Missed them? Catch the on-demand recordings below:

- **Contamination Control for Accurate Results:** [Watch Here](#)
- [Download Glass Expansion presentation](#)
- **Optimizing the ICP Workflow from Start to Finish:** [Watch Here](#)
- [Download Glass Expansion presentation](#)

Gulf Coast Conference - Galveston, TX

In October, we attended the **2025 Gulf Coast Conference** at Moody Gardens Convention Center in Galveston, TX.



Beyond the exhibition, we hosted our popular **Advances in Trace Metals Analysis** lunch-and-learn seminar, covering key topics in elemental analysis with presentations from:

- Analytic Jena
- CEM
- Glass Expansion
- Inorganic Ventures
- PerkinElmer
- Radom Instruments
- Spectro Analytical Instruments
- Teledyne Labs
- Thermo Fisher Scientific

Delta Scientific's 40th Anniversary

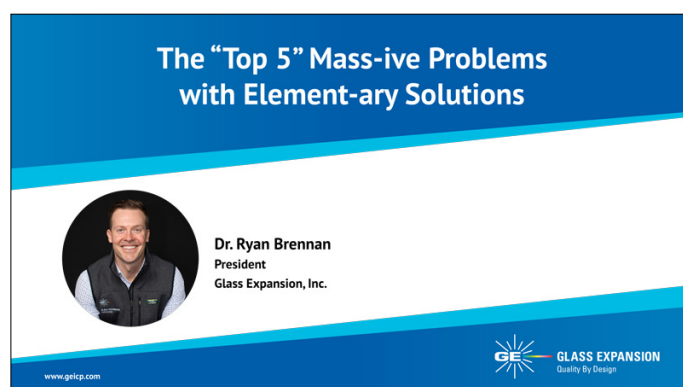
We also joined **Delta Scientific's Customer Appreciation and Supplier Partner Showcase Event** in October to celebrate their 40th anniversary. It was a blast! Ryan Brennan delivered a standout presentation: *"The ICP's Top 5 Massive Problems with Elementary Solutions."*

[Download our presentation here.](#)

Our Glass Expansion talk spotlighted new products for oil and volatile organic ICP analysis, including a nebulizer comparison in partnership with Inorganic Ventures.



- **Download our presentation:** [Dedicated, High-Performance Sample Introduction System \(HP- SIS\) for Used Oils and Volatile Organics](#)



European Tour

Maja Budanovic, our European-based ICP Product Specialist, participated in two collaborative events with Thermo Fisher Scientific and CEM in the UK and Ireland. She shared application expertise and supported joint educational initiatives. These engagements demonstrated the importance of industry partnerships in fostering innovation, practical education, and stronger collaboration within the elemental analysis community.

Below is a summary of Maja's events along with links to view her presentation materials.

Thermo Fisher Scientific - Trace Elemental Analysis Symposium 2025 (Tuesday, September 30, 2025).

Focused on application-driven and easy-to-operate sample introduction solutions, the session highlighted strategies to optimize ICP performance and ensure reliable trace elemental analysis across diverse sample types.

- **Location:** Thinktank Birmingham Science Museum, Birmingham, UK
- **Download our presentation:** ["Application driven and easy to operate sample introduction solutions."](#)



CEM - Microwave Digestion and ICP Training Day (Thursday, November 13, 2025).

Covering best practices for component selection and optimization, the training complemented digestion workflows by demonstrating how the right setup enhances sample integrity and analytical reproducibility.

- **Location:** Radisson Blu Cork Hotel; Cork; Ireland
- **Download our presentation:** ["Best Practices for Component Selection and Optimization."](#)

Upcoming Events

Winter Plasma Conference 2026

Get ready—we're exhibiting and presenting at the **Winter Conference** from January 9-17 at the El Conquistador Resort in Tucson, AZ (exhibition: January 12-15).

Register for the Winter Plasma Conference: [Click Here](#)

Join us for:

- **Exhibition takes place from January 12-15**
- **Two poster presentations on January 14**
- **Free Lunch-and-Learn workshop** on January 15 from 12-1 pm – [Register Here](#)

**(pre-registration required; must be a conference attendee)*



Pittcon 2026

Glass Expansion and the ICP Alley crew return to **Pittcon 2026**, March 7-11, at the Henry B. Gonzalez Convention Center in San Antonio, TX. Watch for updates on our pre-show events early Q1 2026.

Register for Pittcon 2026: [Click Here](#)

Introducing the Plasma Professor!

Our **Plasma Professor series** is a hit! This virtual expert delivers quick, practical Plasma Pro Tips to supercharge your ICP-OES and ICP-MS systems. We are excited to continue this series in 2026. Missed one? Access them below!

Recent Episodes:

- **October 2025** – ICP-MS Cone Material Guidelines and Benefits: [Watch Here](#)
- **August 2025** – Abnormal Nebulizer Backpressure: [Watch Here](#)



Collaboration Spotlight

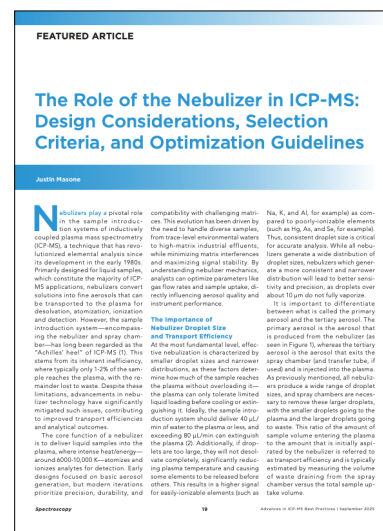
Featured Article in Spectroscopy Magazine

We're thrilled to spotlight **Justin Masone**, Sales Manager for Glass Expansion in the Americas, in the September 2025 issue of Spectroscopy magazine's "Advances in ICP-MS" supplement.

Justin authored the featured article: "The Role of the Nebulizer in ICP-MS: Design Considerations, Selection Criteria, and Optimization Guidelines," which explores:

- **Nebulizer evolution** from early pneumatic designs to modern types
- **Critical performance factors** like droplet size and transport efficiency
- **Practical optimization advice** for challenging matrices
- **Maintenance strategies** to reduce downtime

Read Justin's insights and the full supplement [here](#).



Partnership with GFS Chemicals

Our ICP Specialist, **Randy Mercurio**, has been working closely with GFS Chemicals' technical team to optimize their Agilent 8900 and Glass Expansion's **High Purity PCC Kit** for ultra-trace applications. The PFA PCC Kit has boosted performance for elements like Al, B, Ca, K, Mg, and Na.

- **Learn more about the PCC Kit [here](#)** and watch for our joint Application Note to be released in Q1 2026.

Oil Analysis Collaboration

Many of our technical specialists collaborated with Inorganic Ventures on analyzing oils (used, crude, edible) and biodiesel per ASTM D5185, D7691, and D6751. We showcased our top system for oil and organic analysis:

- **Slurry DC nebulizer**
- **Twister spray chamber**
- **NEW Guardian Probe**

Paired with Inorganic Ventures' eco-friendly bio-based organic solvent, this combination delivers exceptional results. **Stay tuned for a three-part webinar series launching in 2026** summarizing our results.

New Product Spotlight

UniFit Flangeless Connectors for High Throughput Valves

A series of Flangeless Connectors designed to connect any Glass Expansion U-Series or DC type trademark nebulizer directly to the most common types of high-throughput OEM valve systems. Each connector features an optimized inner diameter (ID) and length to reduce the sample path, uptake time, and stabilization time.

UniFit Flangeless Connector	Recommended ICP
70-803-2841	PerkinElmer® NexION® 1000/2x00/5000
70-803-2842	PerkinElmer® Avio® 2x0/5x0, Optima™, & NexION® 300/350
70-803-1888	Agilent® 5000 Series ICP-OES (with AVS 6/7)
70-803-2882	Agilent® ICP-MS (with prepFAST or FAST – 30cm)
70-803-2883	Agilent® ICP-MS (with prepFAST or FAST – 50cm)
70-803-1161	Agilent® ICP-MS (with PCC & AVS MS or ADS 2)
70-803-2882	Thermo™ Fisher Scientific ICP-MS (with prepFAST or FAST)

*Contact us if your ICP and/or valve configuration is not listed.



P/N [70-803-2841](#) - Nebulizer Connector UniFit - 1/4-28 Flangeless, 0.25mm ID x 140mm

Guardian Autosampler Probe

Meet the Guardian™ Autosampler Probe, a next-generation solution for laboratories that demand accuracy, reliability, and efficiency. Fully compatible with: Cetac, Agilent®, PerkinElmer®, Shimadzu®, Aim Lab, and Thermo Fisher Scientific™ autosamplers.

- **Blockages? Stopped Before they Start**
- **Protect Your Results from Contamination**
- **Chemically Inert & Built to Last**
- **Flexible & Compatible**



P/N [70-803-1957](#) - Guardian Probe for SPS3, SPS4, AIMS, 0.75mm

[Click Here](#) to learn more about the Guardian Probe.

[Sign up here](#) for updates to be the first to know about our exciting new innovations coming in 2026!

- *Nebulizer Resource Guide coming in January 2026*

Year-End Holiday Schedule

As we wrap up a stellar 2025 filled with innovations and strong partnerships, thank you for trusting Glass Expansion. We can't wait to share our exciting new products in 2026.

Office Closure Dates:

Region	Closure Period
USA Office	Wednesday, December 24 – Friday, January 2, 2026
European Office	Friday, December 19 – Friday, January 2, 2026
Asia Pacific Office	Thursday, December 18 – Friday, January 2, 2026

Stay Connected

Visit www.geicp.com for updates, resources, and event details. We look forward to connecting with you at our upcoming events!

Wishing you a joyful holiday season and a successful new year!

