

## SGTX

Automated PPT/PPQ Metals  
and Nanoparticle Analysis  
in Semiconductor Chemicals



### Automated Uncapping, Vortex Mixing & Barcode Reading

- Automatic bottle uncapping
  - Safeguard sample integrity
  - Reduce risk of contamination and evaporation
  - Minimize exposure to dangerous chemicals and fumes
- Nanoparticle analysis
  - Homogenize samples through automated vortex mixing
  - Mobilize nanoparticles from vessel walls into solution
- Multi-instrument sample tracking
  - Scan barcoded PFA bottles
  - Track samples across multiple instruments (ICPMS, QTOF-MS, IC-MS, GC-MS)
  - Certify compliance with a complete audit trail

### Ultrapure Semiconductor Chemical Analysis

- Autocalibration and autodilution for sub-ppt metals and nanoparticle detection
- Direct analysis of concentrated chemicals without pre-dilution
- Acid-inert and metal-free components

### Flexible & Scalable

- Interfaces to multiple analytical techniques
  - ICPMS, QTOF-MS, IC-MS, GC-MS
- Compatible with PPT/PPQ metals, non-polar/volatile organics, nanoparticles, and ionic species (inorganic and small organic anions & cations)



**Learn More**

# SGTX Features Diagram

## Exhausted Enclosure

- Protects laboratory environment when analyzing concentrated chemicals

## TRAXDisplay

- Easily run methods with LabSymphony software
- Library stores unlimited number of methods

## TRAXFluoroGrip

- Automatically accesses and grips bottles
- Transfers bottles to the TRAXLink for uncapping and barcode reading

## TRAXLink

- Automatic uncapping/recapping
- Barcode reading & sample tracking

## Interlocks

- Automatic UPW shut off
- User alerts for lab safety

## TRAXSpin

- Homogenizes sample prior to analysis
- Mobilizes nanoparticles into solution

## Overflowing UPW Rinse Station

- Rinses probe for baseline blanks

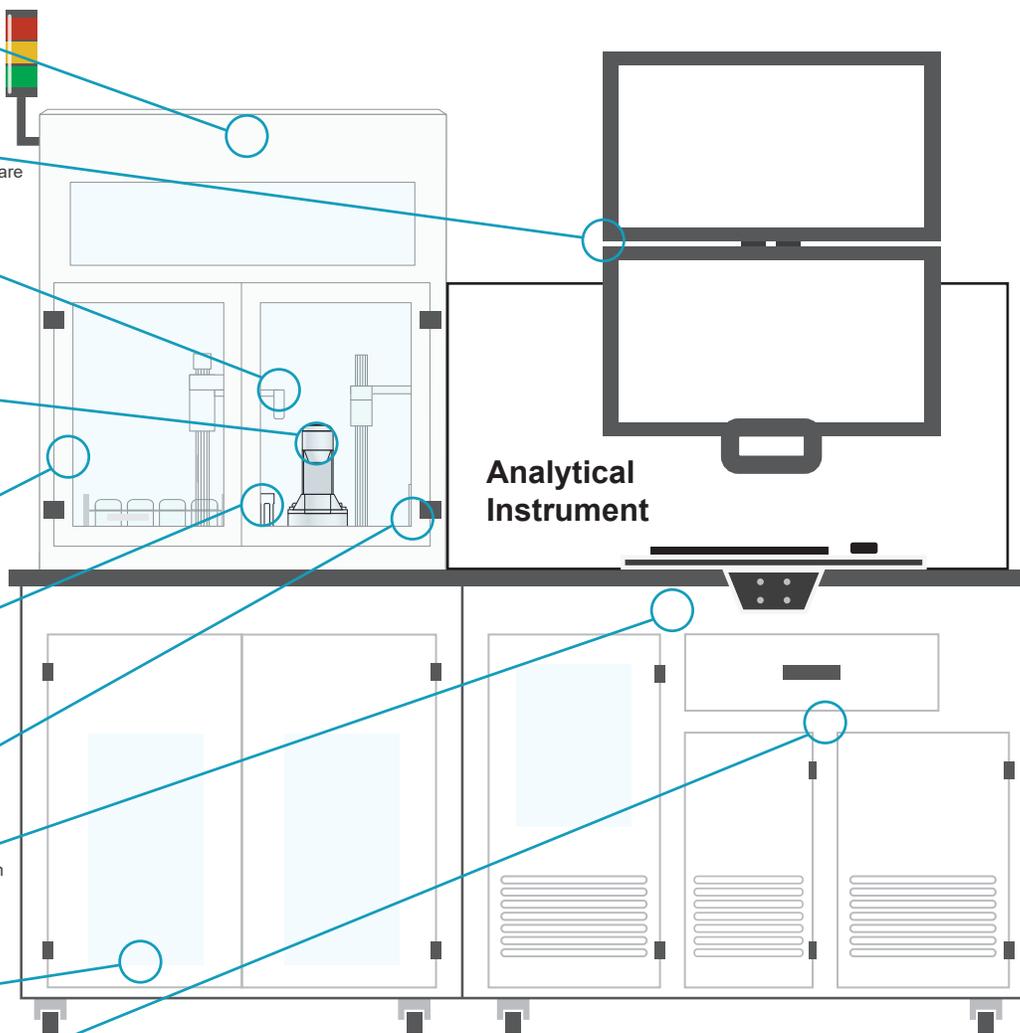
## Instrument Bench

- Metal-free and chemically resistant construction
- Configurable to accommodate most analytical techniques

## Leak Sensors

- External warning light and auto-shut-off

## Consumables Storage



# SGTX Products

	Autocalibration	PPT Metals	PPQ Metals	Nanoparticles	Organics	Anions/Cations
SGTX	✓	✓		✓		
SGTX PPQ	✓	✓	✓	✓		
SGTX CARBON	✓				✓	
SGTX IC	✓					✓
SGTX GC	✓				✓	



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