

# Business Overview

# Overview: Analytical Instruments Business

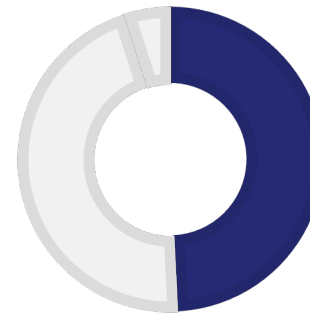
## Supporting various analysis with “chromatography” technology



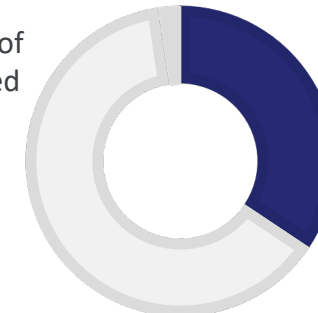
### Analytical Instruments Business [GL Sciences Inc.]

We provide comprehensive services covering the planning, development, production, sales, and technical support of analytical instruments and consumables such as columns. Our products support component analysis from various perspectives in research institutions across a wide range of fields, including medical, food, environment, petrochemicals, and steel industries.

**Net Sales**  
18.2 bn yen (FY2024.3)



**Operating Profit**  
1.9 bn yen (FY2024.3)



## Product Lineup

### Consumables



LC Columns



GC Capillary Columns



SPE Columns

- Columns are manufactured in-house, starting from silica gel synthesis, with strengths in reproducibility, separation performance, and durability.
- A wide lineup that can accommodate various applications.
- Providing analytical expertise tailored to the specific analysis targets.

### Instruments



GC Instruments



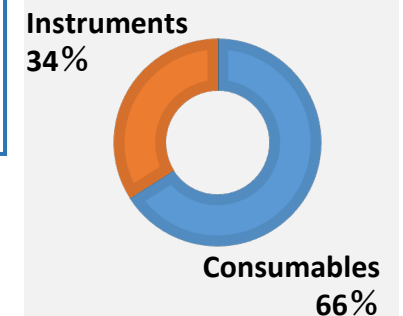
Pretreatment device



SPE Instruments

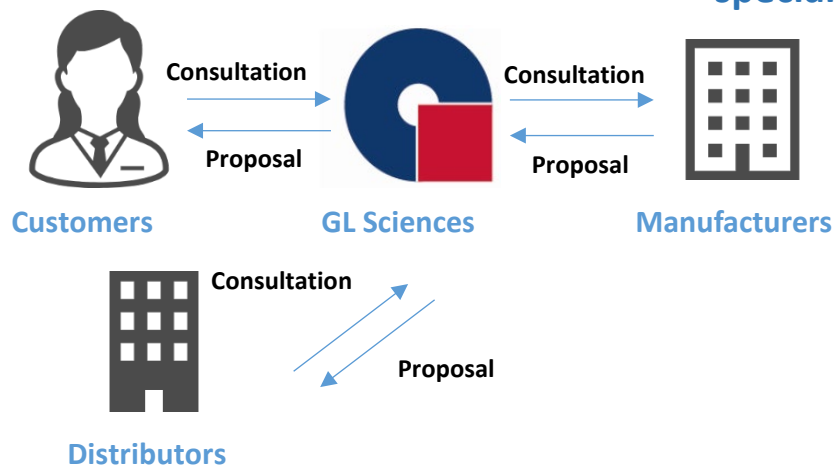
- Provision of highly customized instruments.
- Small-lot production to meet unique customer needs.
- Comprehensive quality control and prompt customer support through an integrated system of development, manufacturing, sales, and technical service.

### Sales composition ratio (FY2024.3)



# Overview: Analytical Instruments Business

## Diversification of product line



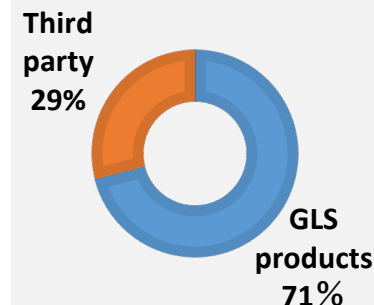
Provide optimal solutions from our own and third-party products using our specialized expertise

### Customer support center

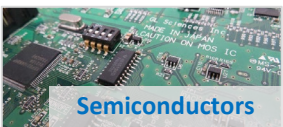


Engineers respond to inquiries about analysis

### Sales composition ratio (FY2024.3)



## Diverse customer attributes



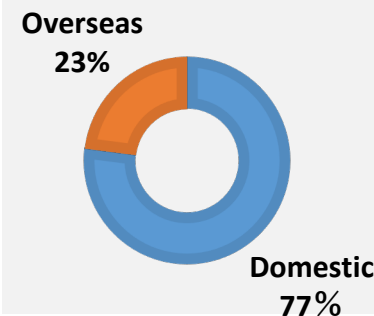
Contributing in a wide range of fields, from pharmaceutical research and development to quality control of chemical industrial products, checking for harmful substances in food, and water quality testing of tap water

## Sales region

**【Domestic】**  
Multifaced approach to **consumables** and **instruments**

**【Overseas】**  
**Consumables**-led focused strategy

### Sales composition ratio (FY2024.3)



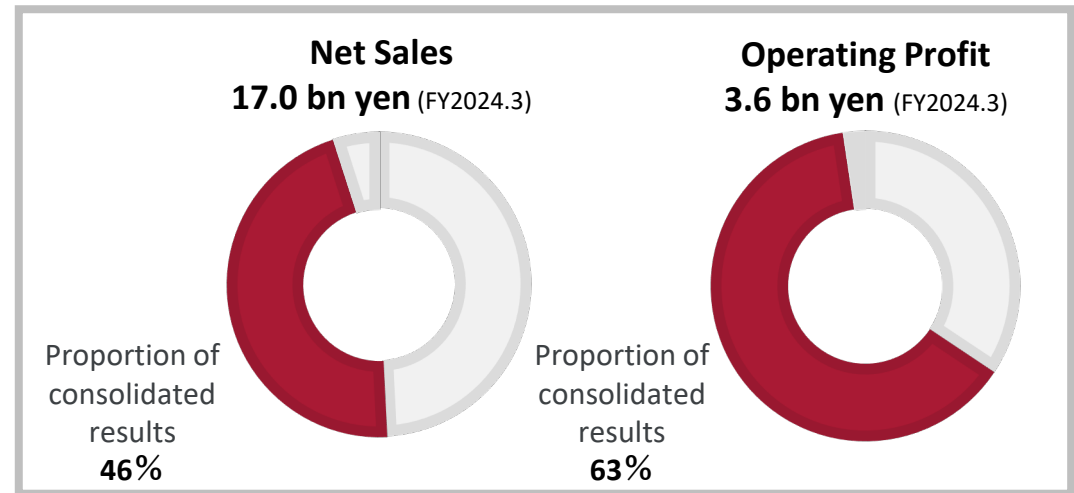
# Overview: Semiconductor Business

## Supporting global semiconductor manufacturing with cutting-edge processing technology

**Semiconductor Business**  
【Techno Quartz Inc.】

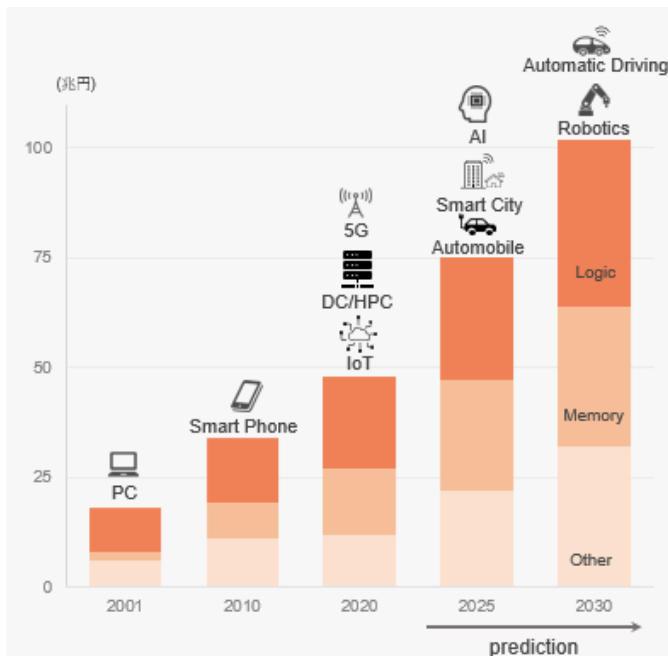


We specialize in the manufacturing and sales of high-purity quartz glass and crystalline silicon parts for semiconductor manufacturing equipment, supporting technological innovation in the industry. With a strict production system that ensures world-class quality and stable supply, we are committed to manufacturing that adapts to changes in trends through our unique technological development capabilities.



### Global Semiconductor Market Size Forecast

Some predict says it will be 100 trillion yen by 2030...



## Our Strengths

**Possession of Proprietary Technology**  
Capable of manufacturing products using proprietary technologies, such as the production of dissimilar material encapsulated plates through diffusion bonding.



Encapsulated Plates with Dissimilar Materials

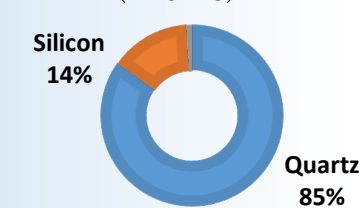
**Diverse Processing Technologies**  
We possess not only cutting-edge machining technologies but also processing capabilities that accommodate traditional fire-based techniques handled by skilled craftsmen.



Mechanical Processing  
Fire Processing

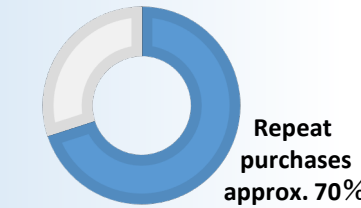
**Diversity of Materials**  
We possess precision processing technologies capable of handling a wide range of materials, from quartz to silicon.

### Sales composition ratio (FY2024.3)



**Stable Order Acquisition**  
Since the majority of our products are purchased repeatedly, we ensure stable order acquisition despite being influenced by market conditions.

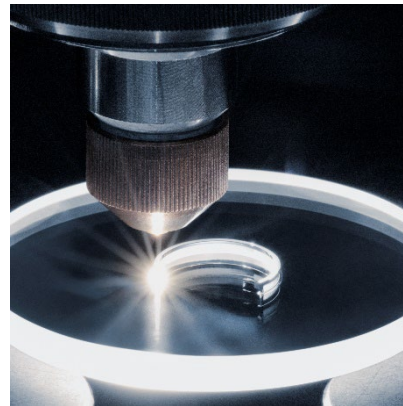
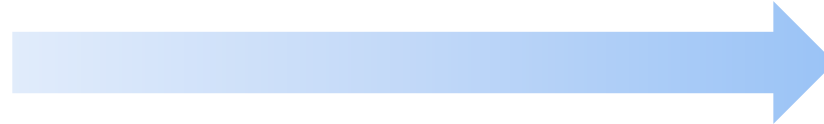
### Sales composition ratio (FY2024.3)



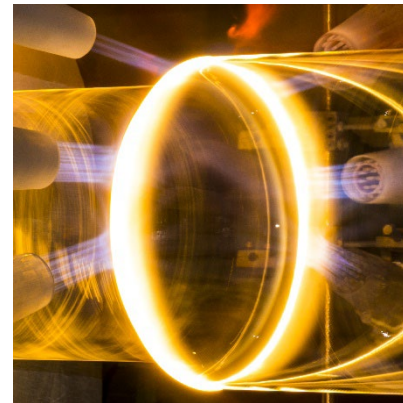
# Manufacturing Processes for Quartz Products



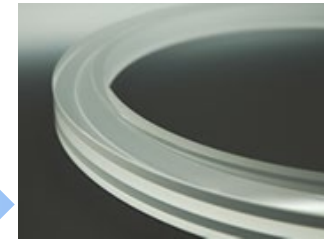
Ingot  
(raw material)



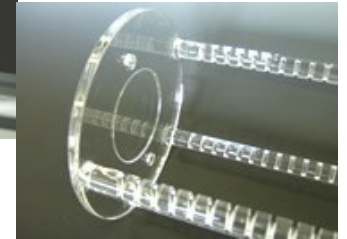
**Mechanical processing**



**Fire processing**



Quartz ring



Cylindrical quartz port

**Processed products**

## Processing Methods

Precision machining equipment is used to process quartz and silicon materials with high precision.

## Our Strengths

We have one of the world's largest numbers of machining centers.

A large number of specialized members in our machining center.

Materials are processed through repeated welding and shaping using a burner flame exceeding 2000°C.

Capable of handling complex shapes and curves.

A specialist team of skilled craftsmen.



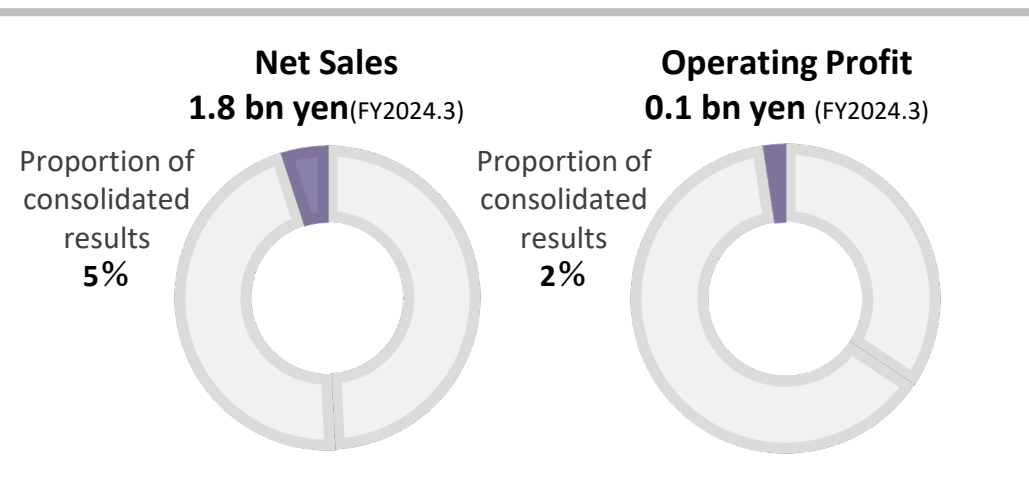
# Overview: Automated Recognition Business

## Realizing a more convenient society through contactless IC technology



### Automated Recognition Business [GL Solutions Inc.]

We have been leading the industry for more than 30 years through our "automated recognition technology (RFID)" that reads and writes information on IC tags contactlessly. By mastering advanced identification technology, antenna technology, and information processing technology, we are striving to evolve automated recognition technology further. Our goal is to contribute to a more convenient information society in the 21st century.



## Product Lineup

### Embedded Reader-Writers

We provide parts and modules for various device manufacturers, supporting antenna design, high-frequency circuit development, and firmware improvements.



### System Solutions

We offer systems for access management, entrance-exit management, key management, chemical substance management, and more by integrating various applications.



### Finished Products

We provide wall-mounted and countertop reader-writers, offering them as standalone devices for access control systems and entrance-exit management systems. These devices are compatible with PCs, POS systems, and various terminals.



### Cards & Tags

We offer cards and tags compatible with LF and HF bands, as well as other frequency ranges. Sets with reader-writers are also available.

