SUSTAINABLE SCIENCE AND TECHNOLOGY CO., LTD.

SuST

“Innovative Solutions for Scientific Advancement”

2027



sustainablesciteh@gmail.com

ABOUT US

Sustainable Science and Technology Co., Ltd. is a supplier of scientific instruments, research materials, and analytical services for research institutions, universities and industries.

We are committed to providing high-quality products, professional consultation, technical support, and reliable after-sales service to support researchers and drive innovation

Quality Products

Technical Expertise

Reliable Support

Customer Satisfaction

OUR COMMITMENT

- High-quality products and services
- Professional expertise and experience
- Continuous support and innovation
- Long-term partnership and trust





OUR PRODUCTS & SERVICES

01 SCIENTIFIC INSTRUMENTS

Electrochemical Measurement

Squidstat Potentiostat/Galvanostat

Gas Flow Control & Measurement

FCON Mass Flow Controller (MFC)



02 RESEARCH MATERIALS AND SERVICES

- SiO_2Fiber (SF)
- CeO_2-SiO_2 Fiber (Ce-SF)
- Co_3O_4-SiO_2 Fiber (Co-SF)
- Electrospinning Service



03 ANALYTICAL SERVICES

- GC-MS/MS Analysis Service
- Microplastic Analysis with Py-GCMS



04 Laboratory Chemicals & Reagents

- Laboratory Chemicals
- Research Reagents
- Specialty Chemicals
- High-Purity Chemicals



Research Support

Advanced Technology

Professional Team

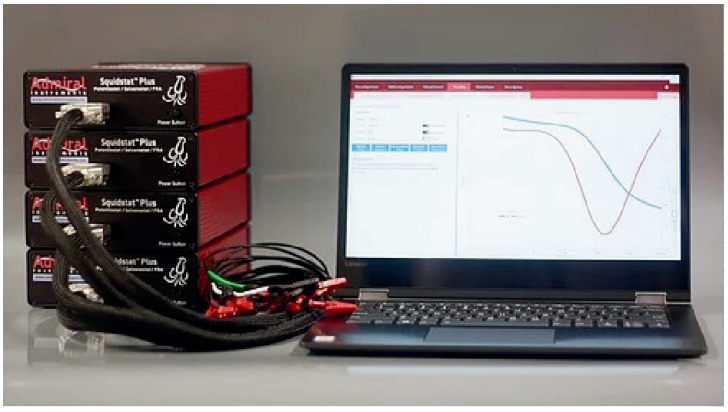
Reliable Results

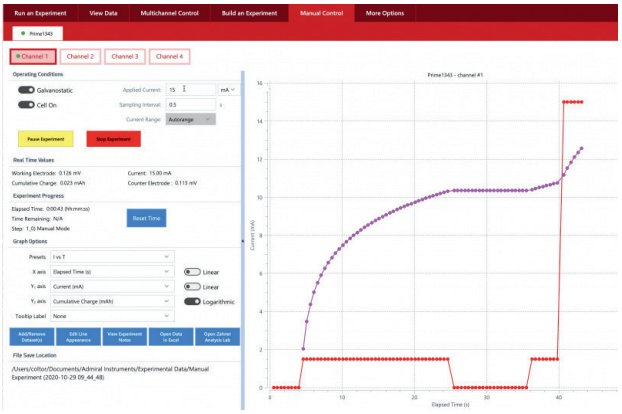
SQUIDSTAT

Potentiostat / Galvanostat

Product from USA

High-performance electrochemical measurement for
a wide range of applications.





- Potentiostat / Galvanostat (EIS, CV, LSV, CA, CP, etc.)
- Battery Research & Testing
- Fuel cell & Electrolysis
- Material Research
- Corrosion Analysis
- Sensors
- Coatings
- Bio-Echem

Officially Authorized Distributor in Thailand
Providing professional sales, application support, and after-sales service.

GAS FLOW CONTROL & MEASUREMENT

FCON Mass Flow Controller (MFC)

Precision Gas Flow Control for Laboratory and Industrial Applications



Key Features

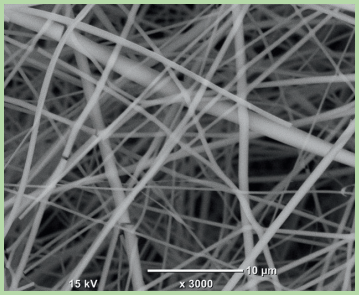
- High Accuracy: ±2% F.S. (optional ±1% F.S.)
- Wide Flow Range: 10 SCCM to 100 SLM
- Analog Control Signal: 0–5 VDC
- Fast Response: Approx. 6–15 seconds
- Wide Range of Applicable Gases: N_2, Air, Ar, H_2, CO_2, O_2, He and more
- Compact Design: Easy to install and integrate into gas supply systems
- Reliable Gas Flow Regulation for stable and reproducible experiments

- Catalysis & Reactor Testing
- Gas Flow Control
- Gas Filling & Welding
- Coating and Film Formation
- Semiconductor Processing
- Sintering
- Vapor Deposition
- Optical Fiber Manufacturing

RESEARCH MATERIALS

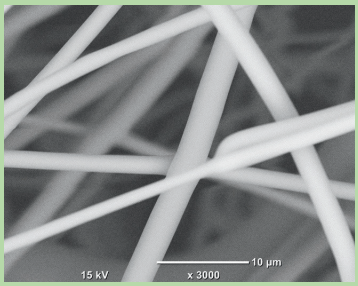
SiO_2 Fiber (SF)

High-puritysilica fiber with excellent thermal stability and chemical resistance



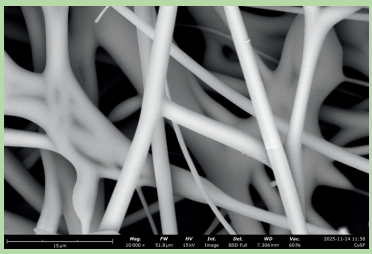
CeO_2-SiO_2 Fiber (Ce-SF)

Cerium-modifiedsilica fiber for enhanced catalytic activity and oxygen storage capacity



Co_3O_4-SiO_2 Fiber (Co-SF)

Cobalt-modified silica fiberfor superior performance in catalytic activity and stability



Support	BET Surface area (m^2/g)	BJH Desorption cumulative volume of pores (cm^3/g)	BJH Desorption average pore diameter (nm)
SiO_2 Fiber	1.13	0.02	39.71
CeO_2-SiO_2 Fiber	0.63	0.02	32.99
CoO_4–SiO_2 Fiber	0.13	N/A	N/A

ELECTROSPINNING SERVICES



- Customized Fiber Design
- Material Versatility
- Process Optimization
- Research-Scale Development

GC-MS/MS ANALYSIS SERVICE

with a Tandem micro-reactor



We Analyze :



Our Service Includes

- Qualitative& Quantitative GC–MS Analysis
- Thermal decomposition profiling
- Identification of unknown compounds
- Expert consultation and analytical report (MS, TIC, Pyrograms)

MICROPLASTIC ANALYSIS
with Py-GCMS



Chemical Identification
Identify polymer types based on characteristic pyrolysis products.

Polymer-Specific Analysis
Differentiate common polymers such as PE, PP, PS, PET and more.*

Complex Samples
Suitable for environmental and consumer-product samples after appropriate sample preparation.

Qualitative & Quantitative Analysis
Obtain polymer identification with potential for quantitative determination.

*The polymers analyzed may vary depending on the method and library used.

HOW IT WORKS



Sample
Microplastics in various matrices



Pyrolysis
Thermal decomposition of polymers



GC Separation
Separate pyrolysis products



MS Identification
Identify polymer composition

From sample to polymer identification — through thermal decomposition and mass spectrometric detection.

APPLICATIONS



Environmental Samples
- Water
- Sediment
- Soil



Consumer Products
- Cosmetics
- Packaging
- Personal care products



Textile & Fibers
- Synthetic fibers
- Textile materials



Food & Packaging
- Food-contact materials
- Packaging



Research & Development
- Polymer research
- Microplastic studies

SUSTAINABLE SCIENCE AND TECHNOLOGY CO., LTD.

LABORATORY CHEMICALS & REAGENTS

Comprehensive Chemical Solutions for Research, Laboratory & Industrial Applications





We can source chemicals from your preferred brand upon request.
Please contact us with your required brand, grade, purity, and packaging size

Merck • Sigma-Aldrich • Fisher Chemical • TCI • Loba Chemie • Honeywell • Thermo Scientific, etc.

Analytical Chemistry

Reagents and chemicals for analytical testing, and laboratory analysis

Synthetic Chemistry

Chemicals and reagents for organic synthesis, chemical reactions, and research

Material Science

Precursors and specialty chemicals for material synthesis, nanomaterials, and advanced materials

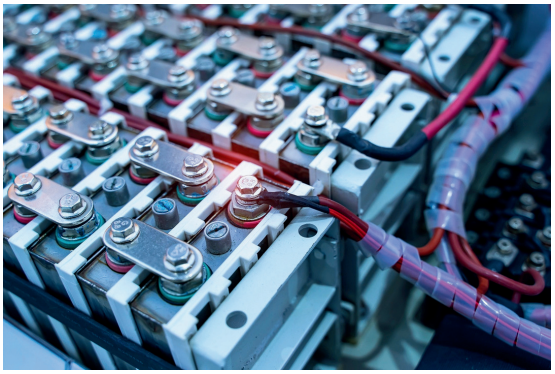
Catalysis & Energy

Metal precursors, catalysts, and specialty chemicals for catalysis, hydrogen, fuel cell, and energy research.

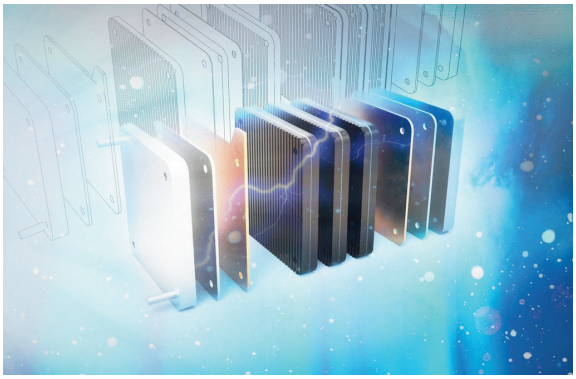
Contact us for product availability and specifications,

sustainablesciteh@gmail.com

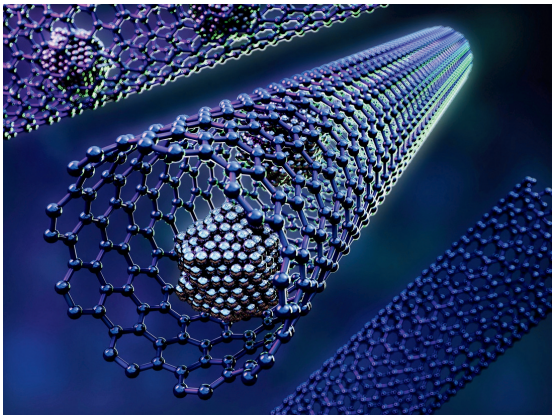
APPLICATION



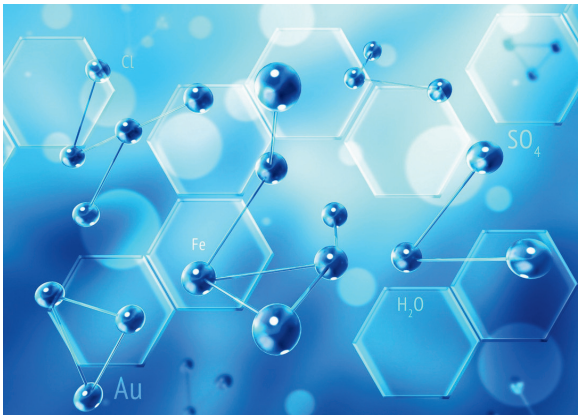
Battery Research



Electrocatalysis & Fuel Cell



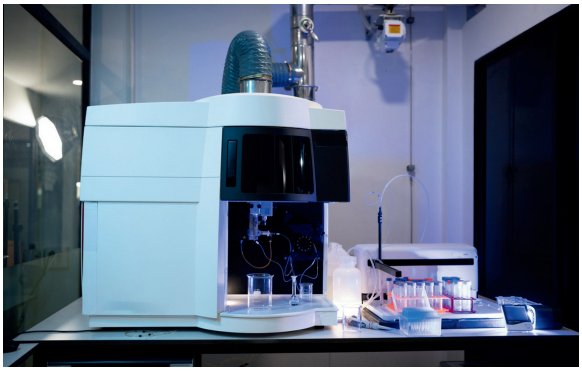
Catalysis & Reaction Engineering



Material Science



Chemical Analysis



Academic Research

More Than Products. We Deliver Solutions.
From laboratory needs to innovative solutions, we are here to support your research.

WHY CHOOSE US



OFFICIAL DISTRIBUTOR

Authorized distributor of quality instruments from trusted brands

APPLICATION SPECIALIST

Experiencedteamforapplicationconsulting and method development

RESEARCH EXPERIENCE

Weunderstandresearchneedsandprovide solutions that truly support your work

CUSTOMIZED SOLUTIONS

Tailored solutions for your specific requirements

TRUSTED BY

Universities

Research Institutes

Government Laboratories

Industries

Supporting innovation through scientific solutions and advanced technologies



Contact us

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