



2027 Shanghai International Electronic Chemicals Technology Equipment Fair

Date: June 3-5, 2027

Venue: Shanghai New International Expo Centre

Core Positioning

A professional benchmark exhibition in the electronic chemicals technology and equipment sector, focusing on technology and equipment innovation and domestic breakthroughs across the entire electronic chemicals value chain—production, purification, storage & transportation, and application. Building a one-stop professional service platform integrating equipment exhibition, technology exchange, supply-demand matching, brand promotion and industry empowerment.

Co-located with: 2027 China International Chemical Technology and Equipment Fair (CTEF)

1,000+ Exhibitors | 70,000 m² Exhibition Area | 100,000+ Professional Visitors | 100+ Keynote Speeches

Host: Zhenwei International Exhibition Group Co., Ltd.

Supporting Organizations: Semiconductor Industry Alliance (icunion), Egyptian Plastics Export & Manufacturing Association (EPEMA), Russian Chlor-Alkali Industry Association (RusChlor), Kazakhstan Chemical Industry Union, Kazakhstan Oil Enterprise Service Association

Organizer: Guangzhou Zhenwei International Exhibition Co., Ltd.



【Precisely Addressing Industry Pain Points, Seizing the Golden Opportunity for Domestic Production】

Against the backdrop of global semiconductor supply chain restructuring and China's strategic push for self-reliance in high-end manufacturing, electronic chemicals—as critical key materials for semiconductors, display panels, new energy batteries and photovoltaics—represent a core bottleneck in China's high-end electronic information industry development. According to SEMI and industry association estimates, China's domestic electronic chemicals market will exceed RMB 180 billion in 2027, with a CAGR of over 13%, maintaining China's position as the world's largest consumer of electronic chemicals.

The industry enjoys triple strategic dividends—policy support, surging demand, and import substitution—but structural bottlenecks remain prominent: the domestic production rate of G5-grade wet chemicals is below 30%, with "chokepoint" challenges concentrated in purification processes and quality control/inspection. Information asymmetry between technology and supply-demand persists: materials companies expanding capacity cannot find suitable domestic equipment suppliers, while equipment vendors cannot locate material customers in the selection phase.

Key fact: A single G5-grade electronic-grade hydrofluoric acid production line requires total investment exceeding RMB 500 million, of which equipment accounts for over 70%. In 2026-2027, domestic electronic chemical projects under construction involve equipment procurement exceeding RMB 10 billion—this is the order window for equipment companies.

As a professional exhibition in China's electronic chemicals technology and equipment sector, the 2027 Shanghai International Electronic Chemicals Technology Equipment Fair will be held June 3-5 at the Shanghai New International Expo Centre. Tightly aligned with core industry pain points and rooted in the Yangtze River Delta's core electronic information industry belt, the fair precisely links value chain resources, building a core window

for domestic production implementation and helping enterprises break through "chokepoint" challenges to seize high-end market opportunities.

【Four Core Values: Full-Dimension Value Realization from a Single Exhibition】

Precise Matching, Direct Orders: Procurement leads from capacity expansion projects at Xingfu Electronics, Jianghua Micro, Sinotech Micro, Do-Fluoride and others conduct on-site selection, with one-on-one business matching directly reaching procurement decision-makers.

One Booth Fee, Two Markets: Established chemical customer base + RMB 100-billion electronic chemicals growth market. Visitor interchange and resource sharing, with electronic-grade products commanding 3-10x premium.

Brand Upgrade, Industry Position: Keynote speaking opportunities at top forums, comprehensive exposure via 100+ authoritative media, rapidly elevating brand influence in electronic chemicals equipment and establishing import substitution benchmarks.

Full-Chain Empowerment, Technology Leadership: Connecting equipment suppliers, engineering companies, electronic chemicals producers, investment institutions, overseas buyers and research institutes; 10+ concurrent technology summits to stay ahead of global technology iteration trends.

【Precisely Targeting Core Buyers, Full-Dimension Guarantee of Exhibition Results】

Upholding the principle that "professional visitors are the lifeblood of the exhibition," the organizer precisely targets key regions and core industries along the electronic chemicals value chain, deploying over a dozen channels for comprehensive, multi-dimensional visitor outreach:

phone invitations, email campaigns, SMS outreach, self-media matrix, big-data precision marketing, industry media releases, ground promotion, on-site visits, domestic and international exhibition linkage, industry conference sponsorship, and industry association delegations.

- **Wet electronic chemicals (ultra-pure reagents, cleaning/etching/developing solutions):** BASF (Germany), Dow (USA), DuPont (USA), Kanto Chemical (Japan), Mitsubishi Chemical (Japan), Entegris (USA) and other international leaders, plus domestic core producers including Xingfu Electronics, Jianghua Micro, Crystal Clear Electronic Material, Greenchem, Shanghai Sinyang, Sinotech Micro, Do-Fluoride.
- **Photoresists (semiconductor/display/PCB all categories):** JSR (Japan), TOK (Japan), Shin-Etsu (Japan), Merck (Germany) and other global leaders, plus domestic leading producers including Red Avenue New Materials, Phichem.
- **CMP polishing materials:** Cabot, Wanhua Chemical, Anji Microelectronics, Hubei Dinglong, Jiangfeng Electronics, Shanghai Runping, Bolainerun, Tianheng Nano and other domestic and international core enterprises.
- **Electronic specialty gases:** Air Products (USA), Air Liquide (France), Showa Denko (Japan) and other international leaders, plus domestic top producers including CSMC Gas, Huate Gas, Jinhong Gas, Haohua Technology, Nanda Optoelectronics, Yake Technology, Heyuan Gas.
- **Phosphorus/fluorine chemical transformation enterprises:** Xingfa Group, Do-Fluoride, Juhua Group, Yunnan Yuntianhua, Wengfu Group.
- **Engineering companies & EPC contractors:** Wood China, TOYO Engineering, China Tianchen Engineering, Saiding Engineering, Wuhuan Engineering.
- **International enterprise procurement and technology teams in China:** GEA Group (Germany), Pall Corporation, Tokyo Electron (Japan), Swagelok, Linde Engineering.

Midstream Capacity Expansion Project List — Clear Equipment Procurement Demand

Project Name	Investment/Capacity	Core Equipment Procurement Needs
Xingfu Electronics G5-grade Sulfuric Acid/Hydrogen Peroxide Project	G5-grade	Multi-stage distillation, adsorption purification, ultra-clean filling, online monitoring systems
Sinotech Electronic-grade Sulfuric Acid Project	60,000 tons	High-purity purification, corrosion-resistant reactors, ultra-pure water treatment
Do-Fluoride Electronic Chemicals Project	100,000 tons	Synthesis reaction, distillation separation, gas purification & filling, SCADA integration
Guangxi Qinzhou Electronic Chemicals Project	RMB 1.2 billion	Complete line equipment solution, ultra-clean workshop, environmental support
Nantong Electronic Chemicals Project	RMB 1.05 billion	Complete production line for wet electronic chemicals
Heyuan Gas Electronic Chemicals Project	RMB 684 million	Complete units for electronic specialty gas synthesis, cracking and recovery
Juhua PFPE Liquid-cooling Fluorinated Fluid Phase II	4,000 tons/year (already in production)	Fluorinated coolant distillation, filling, thermal conductive filler dispersion equipment

【Global Precision Matching, Helping Electronic Chemicals Equipment Go Global】

This edition targets the window for electronic chemicals specialized equipment exports, deeply cultivating mature semiconductor clusters in South Korea, Taiwan (China), Singapore and Japan, and radiating to emerging expansion markets in Southeast Asia and India. A large number of electronic chemicals plants, wafer fabs and packaging/test plants are intensively advancing technical upgrades and capacity expansion, with strong demand for domestic high-purity purification, precision distillation, filtration, ultra-clean material conveying, and electronic-grade waste liquid treatment specialized equipment.

The exhibition collaborates with semiconductor and electronic materials associations and overseas industry platforms in South Korea, Singapore, Japan and Taiwan (China), hosting multiple international procurement matching sessions including a South Korea session and Southeast Asia session. Overseas electronic chemicals manufacturers, local EPC contractors and equipment import agents are invited as core buyers, helping exhibitors directly reach procurement and technology decision-makers, addressing the pain points of narrow overseas channels, high access barriers and trust-building challenges for domestic equipment, and building a matching bridge for domestic manufacturers to efficiently acquire overseas bulk orders.

【Navigating the Green Transformation, Exploring Pathways to Energy Efficiency】

The China International Chemical Equipment Innovation and Development Conference is held concurrently, inviting over 100 decision-makers and technology leaders from government departments, industry associations, top research institutes and leading domestic and international enterprises to conduct in-depth discussions on core topics including electronic chemicals core technology breakthroughs, import substitution

pathways, equipment iteration and industry standard setting, providing key insights for participating enterprises in strategic planning, technology R&D and market layout. Concurrent activities include technology new product launches, domestic product verification matching meetings, and industry-academia-research cooperation exchanges to comprehensively meet the technical exchange and cooperation needs of participating enterprises.

Concurrent Forums at the 2027 Exhibition

- China International Chemical Technology and Equipment Innovation and Development Conference
- 2027 China Electronic Chemicals Efficient Separation Equipment and Energy-Saving Technology Application Innovation Forum
- 2027 Chemical Enterprise Intelligent O&M and Energy Efficiency Improvement Seminar
- 2027 China Electronic Chemicals Fluid Equipment and Environmental Treatment Technology Seminar
- 2027 Chemical Material Handling and Conveying Technology Application and Innovation Forum
- CTEF2027 International Procurement Matching Meeting
- Overseas Chemical Enterprise Procurement Exchange Matching Day
- Provincial/Municipal International Procurement Matching Sessions
- Local Government Investment Promotion Special Briefing
- 4th China Chemical Technology and Equipment Golden Gear Award Ceremony

【Dual-Exhibition Synergy: Chemical Equipment + Electronic Chemicals】

Shared Exhibitor Base: General Foundation + Electronic-Grade Growth Pole

The China Chemical Equipment Fair (CTEF) systematically showcases cutting-edge process solutions and innovative equipment covering the entire chemical process flow. Key focus areas include core process equipment and unit operations, specialty materials and corrosion prevention, process safety and explosion-proof technology equipment, fluid conveying equipment, smart chemical plants and digital transformation, instrumentation and automation systems, chemical process R&D and analysis, and environmental protection technology equipment. The Electronic Chemicals Fair focuses on electronic-grade/ultra-high-purity/clean specialized equipment (ultra-pure purification, ultra-clean filling, trace monitoring, etc.). Both belong to the chemical equipment system, forming two tiers: the industrial-grade foundation and the electronic-grade growth pole. The added value of electronic-grade pumps, valves, seals and filters can reach 3-10 times that of ordinary industrial-grade products.

Interconnected Buyers: Chemical Producers + Electronic Chemicals Producers

CTEF visitors are primarily chemical production enterprises in basic chemical raw materials, fine chemicals, specialty chemicals, agrochemicals & fertilizers, petrochemicals, biochemicals, pharmaceutical chemicals, and new chemical materials (new energy, lithium battery materials), as well as chemical engineering design and general contracting units. The Electronic Chemicals zone visitors focus on wet chemicals, electronic specialty gases, photoresists, CMP and other electronic chemicals producers. Phosphorus/fluorine chemical transformation enterprises visit concurrently, enabling one-stop procurement of both general equipment and electronic-grade specialized equipment. Among CTEF's 100,000 visitors, 85% have procurement decision-making authority and 27% come from procurement departments.

【Full Value Chain Coverage, Precise Matching of Exhibition and Visitor Needs】

■ **If you are a supplier of the following products and services, please book your booth now:**

- **High-purity purification equipment:** molecular distillation, multi-stage distillation, adsorption purification, membrane separation, ultra-purification systems, ion exchange, supercritical extraction
- **Complete production equipment:** reactors/synthesis kettles, ultra-clean filling lines, nano grinding & dispersion, gas purification & filling, ultra-pure water systems, high-clean filling & packaging and intelligent warehousing
- **Key components and fluid:** high-purity pumps and valves, PFA/PTFE seals, ultra-high-purity filters, corrosion-resistant piping, graphite equipment, high-purity fluid control modules (CDS/GC)
- **Online monitoring and analytical instruments:** chromatographs, mass spectrometers, particle counters, TOC online monitoring, metal ion trace analysis, ppb~ppt level impurity detection systems
- **System integration/automation/environmental:** PLC/DCS/SCADA integration, ultra-clean workshops (ISO Class 1-4), VOCs treatment, acid-base neutralization, heavy metal removal, ultra-clean wastewater treatment, explosion-proof fire protection
- **Liquid cooling/thermal management equipment:** fluorinated coolant production equipment (distillation/filling), thermal conductive filler dispersion equipment, liquid cooling system integration

■ **If you are from the following groups, please reserve your free visitor pass:**

Practitioners across the electronic chemicals value chain, including chairmen, general managers, production heads, technology R&D heads, procurement decision-makers, equipment management heads, marketing heads and other senior decision-makers from: electronic chemicals manufacturing enterprises; specialized production equipment and core

component suppliers; core application enterprises in semiconductors / display panels / new energy batteries / photovoltaics / electronic components; as well as chemical engineering design, construction and general contracting units, research institutes, university R&D teams, industry associations, testing & certification bodies, investment and financing institutions and other related service organizations.