Chinaplas

From Challenge to Transformation: Discover the Next Breakthrough for Manufacturing

1,700+
Solution Providers for the Industry

ATECH
BASF
BORCH
CHEN HSONG
EVONIK
FANUC
Jiangsu NFD
JUNHENG
KRAIBURG
LK
SINOTEST
SONLY
SUNBUN
TEIJIN...

Distinguished Buyers

ARIDGE
ARIMT
Autofight Group
AVIC First Aircraft Institute
CASC
CASC 42nd Institute
COMAC
CRRC Changchun Railway Vehicles
CRRC Tangshan Co., Ltd.
EVT AEROTECHNICS
Hongxing Rail Vehicle Equipment
HUAMI NEW MATERIAL
Jiangsu Tieke New Material
Kangni
SAMC
Tieke Yichen New Materials
TMT
Vossloh (Anyang)
Xi'an Aerospace Propulsion Institute
Xinxiang Aviation Industry(Group)...

WHY VISIT

Gather Global Plastics and Rubber Industry Elites at a Convergence Point

At CHINAPLAS, we move beyond "making products" to "solving production challenges". Explore how smart manufacturing, automation, and advanced materials come together to deliver scalable, low-carbon solutions — unlocking a competitive advantage grounded in sustainability.

Witness Live Demonstrations and Quantify Your ROI

With 3,800+ machines in action, covering injection molding, extrusion, automation, and recycling, visitors can compare performance, precision, and energy efficiency. Evaluate real time output, material savings, and cycle times to drive data-driven ROI decisions.

Gain Actionable Foresight to Stay Ahead of the Curve

Themed events, tech seminars and industry forums provide deep dives into bioplastics, composites, 3D printing and AI-driven quality control beyond the show floor, offering global insights to help your team anticipate market shifts and drive sustainable growth.

Accelerate Your Innovation Cycle through Cross-industry Inspiration

CHINAPLAS brings together a wide spectrum of appplication sectors like automotive, electronics, advanced packaging, medical and new energy in one place. Expose your team to cross-industry technologies to leverage proven solutions, spark breakthrough ideas, and shorten development timelines—fueling your next big innovation.

16 THEME ZONES

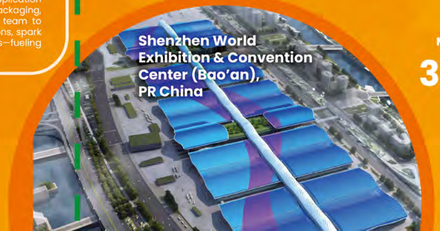
MACHINE EXHIBITS

- Auxiliary & Testing Equipment Zone
- Blow Molding & Thermoforming Machinery Zone
- Extrusion Machinery Zone
- Film Tech Zone
- Flexible Plastic Packaging Machinery Zone
- Injection Molding & Smart Manufacturing Solutions Zone
- Recycling Tech Zone
- Rubber Machinery Zone

MATERIAL SUPPLIERS

- Additives Zone
- Bioplastics Zone
- Chemicals & Raw Materials Zone
- Colour Pigment & Masterbatch Zone
- Composites & High Performance Materials Zone
- Recycled Plastics Zone
- Thermoplastic Elastomers & Rubber Zone

INNOVATIVE PRODUCTS ZONE



Exhibition Area
390,000sqm

International Exhibitors
4,700+

Machine Exhibits
3,800+

Material Suppliers
1,600+

8 National / Regional Pavilions

Show Scale of **CHINAPLAS 2027** (Estimated)

Chinaplas

Advancing a Smarter, Circular Future - As One

Transportation

PR China
Shenzhen World Exhibition & Convention Center (Bao'an)

2027
4.13 / 4.16

ChinaplasOnline.com

Plastics × Transportation

Engineered for Safety & Reliability
Lightweight, High-Strength Performance
Eco-Friendly

Exhibit Highlights

Empowering Industrial Innovation for the Betterment of Living

- Lightweight
- Integrated Injection Molding Technology
- Smart Materials
- Vibration Damping & Noise Reduction
- Cold Resistant
- Cushioning Materials
- Halogen-free Flame Retardant
- Carbon Fiber Reinforced Polymer

Safety & Reliability

Operating in extreme environments, aerospace and rail equipment demands the highest safety standards. Specialized plastics and rubber composites for aircraft must deliver superior sealing, thermal stability, and impact resistance to encounter severe temperature variations and enhance safety. Rail transit components provide flame retardancy, noise reduction, wear resistance, and long-term aging resistance while meeting strict fire regulations.

KingPan® Composite Sheet

KINGFA SCIENCE AND TECHNOLOGY CO., LTD.

KingPan is a continuous glass fiber reinforced polypropylene composite sheet with excellent strength, impact resistance, and light weight. It is halogen-free flame retardant, corrosion-resistant, and 100% recyclable. The material is easy to cut and install. It has been widely used as inner liners for railroad cars and is suitable for drone components and eVTOL battery protection parts.

Ultramid® FR HTPA

BASF (CHINA) CO., LTD.

BASF's new flame-retardant high-temperature polyamide withstands 1,000 thermal shock cycles from -40°C to 150°C without cracking. It offers a CTI of 600V for superior electrical insulation, density ~10% lower than PPS for lightweighting, improved toughness, processing stability, excellent surface quality, laser markability, and recyclability. Ideal for high-voltage busbars and metal-insert molded parts.

Scaled Wheel Contact Fatigue & Friction and Wear Testing Machine

SINOTEST EQUIPMENT CO., LTD.

Product Application:
Mainly used for simulation testing of contact fatigue generated by scaled wheels and rail specimens under given loads and high-speed rotation.

Product Features:
1. Scaled wheel contact fatigue & friction and wear testing machine.
2. This test rig adopts a cast iron base plate and a four-column frame structure. The wheel rotation is driven by a servo motor. The rail wheel rotation is driven by a servo motor.
3. This test rig mainly simulates the wheel-rail relationship during operation, and is designed for the purpose of studying contact fatigue and friction and wear.

Lightweight, High-Strength Performance

Lightweighting drives transportation equipment advancement, balancing vehicle mass reduction with structural strength. Advanced plastics and rubber composites combine low self-weight with high load-bearing capacity across aircraft fuselages and battery components to expand range. In rail transit vehicles, these materials reduce body weight, minimize energy consumption, and lower track wear, delivering optimal durability for the industry's energy-saving trend.

Gepia®XCF Carbon Fiber Product Line

JIANGSU NFD COMPOSITE MATERIAL CO., LTD.

This high-performance carbon fiber reinforced composite offers high strength, rigidity, and lightweight properties. With a tensile strength up to 410MPa, flexural modulus up to 40GPa, and density of 1.2–1.4 g/cm³, it provides excellent dimensional stability and fatigue resistance. It is ideal for injection molding and extrusion, widely used in drones, robotics, automotive structures, and industrial parts for achieving weight reduction and performance upgrades.

SM750-NTP-DMZEIII Electric Piggyback 2K

CHEN HSONG MACHINERY (SHENZHEN) CO., LTD.

- Back-mounted structural design enables flexible switching between single and dual colors, allowing adaptation to multiple scenarios.
- Fully electric injection unit ensures high precision and stability: Driven by servo motors, it achieves a repeatable injection positioning accuracy of ±0.01mm, effectively reducing product defect rates.
- Energy-efficient performance: With an injection speed of 160mm/s, dual high-response servo drives (0.01ms response time), and simultaneous mold opening and plasticizing, the production cycle is shortened. Overall energy consumption is reduced by 20%–40% compared to hydraulic machines.
- Modular design allows for the addition of injection modules at any time to meet multi-color requirements, empowering customer product innovation.

Borche BU Two Platen Injection Molding Machine

BORCH MACHINERY CO., LTD.

Borche BU6800 is the biggest two platen injection molding machine in Asia in terms of combination of clamping force and injection volume as well as power saving effect. The clamping force reaches to 68000 KN. Borche Intelligent Two-Platen IMM are with superlong lasting tiebar, precise, stable and reliable performance, less footprint and less mainetenance headaches. Borche BU two platen injection molding machine can be widely applied to aerospace field, automotive industry, transportation field, household appliance, and new rural construction.

Eco-Friendly

Green, low-carbon development drives sustainable transport infrastructure. Capitalizing on the inherent recyclability of plastics and rubber accelerates this environmental transition. The aerospace sector deploys recycled composites to minimize manufacturing waste, while rail transit interiors and body sub-components networks adopt low-carbon, recyclable formulations to reduce lifecycle emissions.

Solvent-based Recycle Polycarbonate Resin

TEIJIN LIMITED

Recycled polycarbonate produced via solvent dissolution technology, achieving quality comparable to virgin material. It enables closed-loop recycling from scrapped automotive headlights back into new headlights. This process reduces production costs and CO_2 emissions compared to chemical recycling, supporting circular economy in transportation.

KRAIBURG TPE FR2 Series

KRAIBURG TPE TECHNOLOGY (M) SDN.BHD.

The KRAIBURG TPE FR2 series not only offers excellent flame retardancy (UL94 V-0, halogen-free, low smoke, low toxicity) but also supports regrind recovery during production. Sprues, runners, and defective parts can be collected, ground, and reincorporated in controlled ratios with virgin material, significantly reducing solid waste and raw material consumption. With heat resistance up to 85°C and good flexibility, it suits interior handrails, sealing profiles, and cushioning pads. It meets EN45545 rail fire safety standards and environmental requirements. Through closed-loop recycling, it helps rail interior manufacturers achieve waste reduction and efficient resource utilization.

ROBOSHOT Electric Injection Molding Machines

SHANGHAI FANUC ROBOMACHINE CO., LTD.

FANUC ROBOSHOT injection molding machines bring state-of-the-art CNC precision to the aerospace sector, ensuring high-quality, consistent parts with every cycle. Their energy-efficient design and superior mold protection features make them an optimal choice for producing lightweight and durable aerospace components.

See you in Shenzhen

Registration via Website

Registration via WeChat

WhatsApp

Privileges for Overseas Delegations

- Free admission
- Express delegation registration
- Free use of delegation lounge
- Group photo-taking upon arrival

Enquiry

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