www.ChinaplasOnline.com

SHOW DAILY

Chinaplas® 2026 国际橡塑展

4/23

What's Inside

P.1 Show News
P.4 Event Highlights
P.6 Snapshots
P.10 Market Report

Day 2 Visitor Count | Accumulative 233,240

Total 125,448 Local 96,318 Overseas 29,130(23.22%)

# Record-high visitors flooded to CHINAPLAS

## Plastics solutions making strides in new racetracks

Large crowds of visitors continued to flood into the fairgrounds of CHINAPLAS. The number of visitors for the second show day is 125,448, which breaks the record for the daily number of visitors.

As a prime global exhibition for the plastics and rubber industries, CHINAPLAS brings together innovative forces from around the world, establishing itself as a perfect platform for showcasing cutting-edge trends across a wide range of sectors.

This year, abundant exhibitors strategically target emerging high-growth areas, such as the low-altitude economy, humanoid robots, and renewable energy. They have introduced new plastic and rubber materials and advanced processing technologies tailored for these new "racetracks".

The showcase of these innovative solutions underscores the deep integration of the plastics and rubber industries with emerging sectors, providing essential support for technological breakthroughs and functional advancements.

The advanced solutions for emerging sectors, such as humanoid robots and low-altitude economy, shines and draws crowds of visitors at CHINAPLAS 2026.

### Supporting low-altitude aircrafts to "fly high"

Plastics and composite materials are emerging as essential strategic materials in the realm of low-altitude aircraft, thanks to their lightweight nature, high strength, excellent weather resistance, and superior fatigue and chemical resistance. These materials are extensively utilized in critical components, including load-bearing structures, internal parts, battery and thermal management systems.

At the exhibition, numerous exhibitors present their significant innovations in the low-altitude economy sector. **Nanjing Julong Science & Technology (Booth: 7.2B30)** has developed carbon fiber composites and PEEK specifically for use in drones. The company is capable of manufacturing products such as engine nacelles, outer shells, drone components, and base station equipment.

**Orinko Advanced Plastics (Booth: 7.2C04)** has launched long carbon chain nylon materials, mainly used in drone casings and key components.

Among them, LN6032GM26, a casing material developed for drone lightweighting, and LN6222CF30bk for carbon-fiber-reinforced propeller blades, reduce body weight while ensuring structural rigidity, helping to extend flight endurance.

Meanwhile, these materials deliver excellent anti-aging durability and stability, lowering manufacturing costs while meeting multiple demands including endurance, load capacity and environmental protection.

(Continues on P.2)

(Continued from P.1)

The high CTI polycarbonate from **Covestro (Booth: 7.2C38)** delivers reliable performance and safety in harsh electrical environments, ensuring the stable operation of electric vertical takeoff and landing (eVTOL) vehicles. Its excellent flame retardancy and thermal stability also make it well-suited for battery packaging applications.

As low-altitude aircraft prototypes transition to large-scale production, upgrading processing technology through automation is indispensable, alongside the use of high-performance materials. High-speed processing and forming techniques can significantly lower manufacturing costs and effectively shorten the time to market for these aircraft.

**Haitian International (Booth: 5.1C32)** has developed the Drone Propeller Injection Molding and Automated Integrated Solution, which combines injection molding and assembly for manufacturing drone propellers and propeller clamps. This solution features a high-speed injection process of 800mm/s, paired with an air-floating turntable.

Leveraging high-precision digital control and advanced dual-material compounding technologies, the solution ensures that products are lightweight, impact-resistant, and maintain highly stable dimensions. It boosts production efficiency by over 30% and reduces the production error rate by 5% to 8%. The dimensional deviation of the products is precisely controlled at ±0.05mm, significantly surpassing the ±0.2mm deviation standard of traditional processes.

**KraussMaffei (Booth: 4.1D56)** has introduced its FiberForm technology, which combines the thermocompression molding of continuous fiber organic sheets with secondary injection molding. This innovative process reduces manufacturing time from over 100 hours for traditional metal rib structures to just about 2 minutes, while still maintaining comparable structural strength and safety. Such advancement provides efficient support for the mass production of low-altitude aircraft.

## Expanding the real-world application of humanoid robots

Humanoid robots are emerging as a highly promising sector, rapidly advancing toward large-scale applications that could lead to explosive growth.

Thanks to their superior performance characteristics, plastics and composite materials are increasingly utilized in critical components such as robot chassis and sensing systems, paving the way for vast market opportunities as the sector evolves.

Currently, plastic materials have become integral to two core components of robots: sensing and movement.For movement, specialty engineering plastics like PEEK and fiber-reinforced composites are widely employed in structural components like hands, effectively balancing lightweight design with structural strength.

Traditional robots often rely on aluminum and titanium alloys for their bodies, which significantly increases manufacturing costs. Consequently, manufacturers are increasingly turning to reinforced composite materials, which provide weight reduction without compromising structural integrity.

Chinese material companies are making substantial advances in the humanoid robot sector. **Guangzhou Lushan New Materials (Booth: 6.2A38)** has introduced an electrostatic dual-mode electronic skin that boasts high sensitivity and a wide operational range, conforming well to complex surfaces. The company has also developed flexible display and touch integration materials designed for robot faces and joints, significantly enhancing the robots' perception capabilities.

**Wankai New Materials (Booth: 7.2A96)** has achieved key breakthroughs with its lightweight polyester structural materials and precision injection molding technology. The company will supply lightweight components for humanoid robot arms and provide assembly services, thereby extending its PET business into higher-value-added applications.


Plastics and composite materials are becoming essential in the applications of low-altitude economy.

## Advancing quality upgrades in the new energy sector

In the new energy sector, the growth of electric vehicles (EVs) remains robust, with battery safety becoming one of the industry's primary concerns. To meet the fire-retardant requirements for EV batteries, manufacturers need solutions that effectively tackle thermal runaway and fire challenges.

SABIC's materials enhance both fire retardancy and weight reduction for renewable energy.

**SABIC (Booth: 6.2C42)** offers flame-retardant polypropylene (PP) modified materials that, when exposed to flames, develop a protective expanding char layer. This provides dual protection for battery pack covers against both physical and thermal risks. When compared to traditional metal solutions, this material can achieve up to a 40% weight reduction, extending vehicle range while lowering costs.

In addition to battery materials, improving the efficiency of battery separator production has become a major focus for the industry. **Brückner (Booth: 2.1G54)** has introduced a new high-efficiency battery separator production line capable of producing over 500 million square meters annually. This line is specifically designed for manufacturing films with high mechanical performance, meeting the scalability and quality requirements of the new energy vehicle sector.

In the photovoltaic sector, technological innovations and cost control continue to create a positive outlook for long-term demand. The polyolefin elastomer (POE) of **Wanhua Chemical (Booth 7.2C42)** stands out as a pivotal product in this field.

# BOY machines demonstrate injection molding of high-precision medical components

Medical

**2.1F86**

Dr. Boy GmbH & Co. KG exhibits at CHINAPLAS together with its Chinese representative Andeli Co., Ltd. The focus is two applications in the field of medical technology, which highlight BOY's special expertise in micro and precision injection molding.


BOY XS E excels in processing sensitive materials and extremely low shot weights.

## BOY XS E: Absorbable tissue clip made of PPDO

At the fair, a BOY XS E demonstrates manufacturing of absorbable tissue clip for surgical applications. The tissue clip made of polydioxanone (PPDO) has an article weight of only 0.105 g. It is produced with a 2-cavity mold and a shot weight of 0.5 g.

This application highlights the strengths of the BOY XS E in processing sensitive materials and extremely low shot weights. BOY micro injection molding technology reliably supports high-demanding medical application requirements – maximum precision, process stability and reproducibility – especially for absorbable implants.

## BOY 25 E: Precision component for medical injection pen

Another demonstration is the BOY 25 E producing a threaded rod for dosing an insulin cartridge used for administering medication. The polystyrene (PS) part has an article weight of 0.68 g. It is manufactured with 8 cavities and a shot weight of 5.44 g.

BOY 25 E demonstrates the dimensional accuracy, surface quality and stable series production for high-precision medical components.

## Growing medical technology market in China

The market for medical technology in China is growing very dynamically. Against this backdrop, BOY presents two machines for specific medical components that are intended as implants for surgical applications. Customers particularly appreciate the ability to produce high-quality, precise components with high added value on BOY machines.

The Chinese medical technology market places high demands on quality, efficiency and process reliability. With its compact, energy-efficient and high-precision injection molding machines, BOY offers optimal solutions for demanding medical applications, especially in micro and small parts production.


At CHINAPLAS 2026, BOY 25 E produces a threaded rod for dosing an insulin cartridge.

If you are interested in exploring the overseas pavilions, visit Hall 2.1.

# Brotech unveils digital printing system amid AI trend

Debut

Packaging

2.2F106

Despite numerous challenges in the global economy, Brotech is optimistic about the prospects for the plastics and packaging printing industries in 2026. The sector is experiencing a significant transformation, moving from traditional production methods to a more efficient, digital, intelligent, sustainable, and customer-centric service ecosystem.

## Four key collaborative drivers of industry growth

Nicole Wang, Executive General Manager of Brotech Digital Graphics Co., Ltd., asserts that the robust development of the plastics and packaging printing industries is driven by four critical collaborative factors:

- Transformation of traditional enterprises through digitalization
- Regulation-driven upgrades in sustainable design
- Widespread adoption of automated intelligent production
- Growing market demand for short runs, customization, and agility

She notes that digital printing has evolved from a "new technology" to a mainstream choice, experiencing rapid growth in packaging, labels, and variable data printing. Artificial intelligence (AI) has been seamlessly integrated into core workflows to optimize scheduling, color management, and pre-inspection, greatly enhancing efficiency and accuracy.

Furthermore, sustainability and circular design have become industry standards.

## Two major technological trends and business strategy

As a leader in the industry, Brotech is acutely aware of two major technological trends. First, AI empowerment has emerged as a significant breakthrough. The company is the first globally to integrate AI, total quality management, and comprehensive color management into flexographic printing machines. This innovation enables these machines to self-learn, summarize, and optimize, transforming them into intelligent processing systems capable of providing parameter settings and recommendations.

Second, Brotech is dedicated to advancing digital printing by offering digital processing and efficiency-enhancing equipment that complements renowned digital brands, effectively meeting the diverse needs of customers in packaging and label production.

## Debut system creates tangible benefits for customers

At this year's CHINAPLAS, Brotech debuts the iDM800 digital printing system, featuring integrated flexographic units, which becomes the centerpiece of the company's booth. This system leverages digital technology to enhance efficiency while harnessing the strengths of exographic printing, offering an integrated solution for high-end packaging and labels. It emphasizes visual innovation, functional integration, and flexible production.

> **"The sector is experiencing a significant transformation, moving from traditional production methods to a more efficient, digital, intelligent, sustainable, and customer-centric service ecosystem."**

The plate-free printing capability allows for rapid production of effects like metallic colors and spot gloss coatings. Its multi-tasking functionality enables one-stop processing from printing to special effects and supports simultaneous printing of variable data such as QR codes and Braille.


Nicole Wang, Executive General Manager at Brotech Digital Graphics Co., Ltd., emphasizes that the new iDM800 digital printing system effectively bridging the gap between high-end packaging quality and operational efficiency.

# Must-attend events: Application in Focus and Additives Seminar

Concurrent Event Overview

As Day 3 of CHINAPLAS unfolds, momentum continues with Application in Focus happening today. This concurrent event comprises seven themed forums that bring together plastics and rubber end-use manufacturers and brand owners to identify industry pain points and pursue collaborative solutions across the supply chain.

The forums address more than 50 hot topics—ranging from automotive and medical to packaging, antimicrobial solutions, cables, and eco-friendly PVC products. For example, the "New Antibacterial Technology and Innovative Application Seminar" brings together end users and research institutions from sectors such as food safety, water purification, automotive, medical, and fresh-keeping packaging to tackle urgent antibacterial needs.

The "2026 Technical Innovation Forum on Green Development of Plastic Packaging — Smart Plastics. Green Value" concentrates on green, circular, intelligent, and low-carbon innovation in packaging.

Meanwhile, two forums are dedicated to strengthening the automotive supply chain: one explores innovative plastics and rubber technologies for the industry, and the other emphasizes business matching.

Making its highly anticipated debut at CHINAPLAS, the Additives Seminar: Enhancing Sustainability and the Values of Plastics was well received yesterday. The seminar continues this morning, with speakers from leading companies including Dow, LG Electronics, Inovia, Rising Star, Royal, Runhe, and LANPOLY.

Today's sessions will feature PFAS-free additive solutions from top suppliers. Experts will also present the latest advances in flame-retardant applications.


Application in Focus comprises seven themed forums that cover a wide range of topics.

# InnoAccelerate conference explores university collaboration

Today, InnoAccelerate, a new concurrent event at CHINAPLAS 2026, will host an afternoon conference that connects industry and academia through an efficient innovation-matching platform, accelerating the commercialization of scientific and technological advances.

University professors will present recent progress in turning research into commercial projects and demonstrate advanced applications of emerging technologies.

For instance, Shanghai Jiao Tong University will present "Development and Application of Additive and Composite Material Simulation Software Technology", East China University of Science and Technology will discuss "Industrialization and Application of Wash-Resistant, Full-Lifecycle Antimicrobial Polyolefin Antibacterial Agents".

Donghua University will speak on "Key Technologies and Industrialization for High-Quality, High-Efficiency Manufacturing of Aviation Thermoplastic Composite Structures".

InnoAccelerate also includes an exhibition showcasing university innovations.

**Not-to-be-missed events on Day 4**

Collaboration between CHINAPLAS and universities continues beyond InnoAccelerate. To help companies address recruitment challenges and attract top talent, Development Day for Campus Elites will bring traditional campus recruiting to CHINAPLAS on Day 4.

The event includes onsite sharing sessions, face-to-face industry-academia exchanges, and group visits, all designed to foster productive dialogue and cooperation between academic institutions and industry.

Also on Day 4, don't miss the Decode Trends Forum and an exclusive tour of Shanghai FANUC Intelligent Factory Phase III. The forum comprises three sub-forums covering the latest CMF trends and applications, opportunities for scenario-driven innovation, and advances in humanoid robotics and the low-altitude economy.

The FANUC Intelligent Factory integrates R&D, manufacturing, exhibition, sales, system integration, and after-sales services. During the factory visit, participants will gain insight into the operations of this smart facility, including the Robot Simulation Production Line and the Smart Manufacturing Experience Center.

For enquiries, please check out at Applications & Trends Interactive Hub (NECC Plaza West near Hall 4.1, Mezzanine Floor).

# Smart Molding, Shaping the Future

Imagine walking into the future of manufacturing at CHINAPLAS 2026 and discovering the exact blueprint to revolutionize your production line. Today, the Smart Molding, Shaping the Future forum will serve as your essential guide to navigating the twin forces of digital innovation and sustainable manufacturing.

This high-energy session is specifically designed for forward-thinking visitors who want to move beyond traditional methods and embrace the next generation of industrial excellence. By focusing on the powerful intersection of "Intelligent Transformation" and "Sustainable Development", the forum offers a rare opportunity to see how cutting-edge AI, advanced robotics, and sophisticated management systems are being integrated to solve real-world production challenges.

Whether you are looking to slash material waste, meet aggressive carbon neutrality goals, or simply outpace the competition through superior efficiency, this gathering provides the strategic insights and technical clarity you need to thrive in a rapidly shifting global market.

The forum features an elite lineup of industry leaders ready to share transformative strategies across several key sessions that tackle the most pressing issues in the plastics and molding industries.

The Hong Kong Productivity Council will kick off the discussions by exploring how digital transformation is fundamentally revolutionizing innovation within the injection molding industry, providing a roadmap for high-value growth. Following this, Multitech Machinery Co., Ltd. will dive into the practical benefits of AI and automation-driven vertical injection molding machines, specifically focusing on how these technologies enhance efficiency in complex insert molding processes.

The audience will also gain unique perspectives from Hongrita Mold Ltd on the power of "Digital-Intelligent Integration" to reinvigorate manufacturing, while Dongguan Wellmei Mold MFG. Co., Ltd. will provide a strategic roadmap for companies looking to meet global market demands through successful overseas expansion and international competitiveness.

The event concludes with an interactive Panel Discussion and Q&A session, offering a bridge for the audience to exchange ideas directly with these pioneers and unlock new growth opportunities.

## Show News

# AMUT on extrusion, recycling, and cast technologies

Packaging Recycling

2.1D69

At CHINAPLAS, AMUT showcases several key highlights, including a brand new Rpo polyolefin pelletizing line designed for seamless integration with the company's washing and sorting systems. By combining a purpose-built pre-treatment unit with advanced extrusion technology and the dedicated "granulAItion" software suite, AMUT offers a highly energy-efficient "bales-to-granules" solution on the market.

In addition, visitors can learn about the first proven industrial tray-to-tray solution for post-consumer PET recycling. This game-changing development enables the recycling of multilayer trays into high-quality flakes suitable for food-contact applications, effectively unlocking true circularity for thermoformed packaging.

The Italian manufacturer of extrusion and recycling lines also introduces the NEW MAGNUM CONCEPT for cast film. At the same width, MAGNUM delivers significantly higher output than currently available options, setting a new standard for efficiency and performance. Designed for both virgin resins and PCR plastics extrusion on the same machine, it is the ideal choice for today's sustainability-focused industry.

MAGNUM features exclusive in-house innovations, including the unique PROWIND contact winder, which accommodates low-weight cores (140 g for 2" and 600 g for 3" cores). Additionally, the Zero Scrap System allows for inline recycling of trims and waste rolls without the need for a repalletizing unit and with only 20 kW of installed energy. The fully integrated inline software, ROLL-PACK UNIT, streamlines the packaging of finished rolls, ensuring unmatched automation and operational efficiency.

Building on the innovation of the NEW MAGNUM CONCEPT, AMUT has introduced a smart Virtual Assistant designed to enhance every aspect of cast line operation. Fully integrated with the line, this assistant provides real-time support in any language, offering step-by-step troubleshooting and setup, live production data, trend analysis, and direct interaction with the machine for immediate adjustments.

Two complementary digital innovations are also showcased: the AMUT Predictive Package (APP), a predictive maintenance system, and the Advanced Interface for Data Analysis (AIDA). Powered by Siemens Industrial Edge, AIDA collects and analyzes data across the entire production line, ensuring optimal performance and efficiency.

# A wealth of innovations across applications from BASF

Packaging Construction Sports & Leisure 7.2C41

At CHINAPLAS 2026, BASF demonstrates its expertise in chemical innovations across a wide range of applications, including food-contact applications, performance apparel, and outdoor plastics and agricultural films.

## Bisphenol PPSU grades for food-contact applications

BASF now offers a portfolio of polyphenlysulfone (PPSU) grades which is not based on Bisphenol S (BPS) and Bisphenol A (BPA) for high-temperature applications in contact with food.

This Ultrason P portfolio thus complies with EU Commission Regulation 2024/3190, which prohibits Bisphenol in food contact materials and articles. After defined transition periods, these articles are no longer allowed to be produced in or imported into the European Union.

The six tailored Ultrason P grades feature easy mold release and enable versatile color possibilities from opaque to translucent for compounds or with masterbatches.

High-performance characteristics also include temperature-independent mechanical properties, high resistance to many detergents, oils, fats and superheated steam, superior toughness and good dimensional stability.

## Freeflex portfolio for performance apparel

An outdoor jacket is showcased by BASF at the exhibition. In collaboration with Niber Technologies, a leading electrospinning specialist, the jacket incorporates the newly developed Freeflex E 130, a thermoplastic polyurethane (TPU) based electrospun nano membrane.

Outdoor jacket made with BASF's newly developed TPU-based electrospun nano membrane.

With BASF's material, the ultralight and soft-touch comfort outdoor jacket offers excellent membrane uniformity with high Moisture Vapor Transmission Rate (MVTR) and increased membrane application possibilities enabled by higher lamination temperature resistance. The outstanding performance characteristics were based on BASF's Freeflex to form 100-600 nanometer ultrafine fibers through electrospinning, creating a high surface-to-volume ratio and a highly porous morphology.

Alongside its electrospun innovations, BASF also showcases PP/PET sports apparel containing 15% Freeflex melt spun TPU fibers, delivering excellent wearing comfort, quick drying performance, as well as enhanced elasticity and durability for activewear. Freeflex melt spun fibers are REACH compliant and certified with the Oeko Tex Eco Passport, meeting stringent safety and chemical transparency standards for textile applications.

## Tinuvin NOR additives for outdoor plastics

BASF also highlights its plastic additive innovations for outdoor applications, plasticulture and industrial applications.

From coastal humidity to inland heat, outdoor plastics face year-round stress. Tinuvin NOR 600 is designed to provide performance for exactly these challenging conditions, combining long-term weatherability with strong acid resistance. The additive works synergistically with other BASF light stabilizers to significantly boost the resistance of PVC, its alloys, and polyolefin-based plastics to UV radiation and heat. This makes it particularly suitable for applications such as for example, roofing membranes, truck tarpaulin, and artificial turf.

Tinuvin NOR 600 is offered in a free-flowing, low-dust form that allows processors and masterbatch manufacturers to handle it safely and efficiently while developing durable, differentiated solutions. The product sets a new benchmark in light stabilization and enables customers to meet the increasing performance requirements for outdoor plastic applications.

As China is the world's largest consumer of plastic films in agriculture, BASF's Tinuvin NOR platform also provides advanced stabilizer solutions that protect agricultural films against strong sunlight, heat and agricultural chemicals at the same time, providing durability and reliable performance.

By using the NOR technology, film manufacturers can ensure long-lasting protection, easy processing, and compliance with organic farming standards.

Sustainability across the entire plastics lifecycle is enabled through the BASF VALERAS portfolio of additive solutions and services, of which Tinuvin solutions are an integral part.

# CHINAPLAS 2026 Day 2: The inspiration continues!

## Captioned Moments


Still a packed house at The Power of Plastics Forum! Audience is captivated by expert insights on how digitalization is revolutionizing the plastics value chain. Don't miss out—the excitement continues today!
**Booth: 2.1J92**


Overseas buyers and associations networking and exchanging insights at the cocktail reception.


Grab your luck, Claim your headline! Explore AI fun!
**Central Square-near Hall 7.1 (Mezzanine); near Hall 8.1 (1/F)**

## Eye-catching Exhibits


The KraussMaffei ColorForm In-Mold Coating Technology combines injection molding with reaction process technology. It produces a scratch-resistant and repairable high-quality surface in a single step for automotive applications.
**Booth: 4.1D56**


Topstar unveils the T1 Cartesian Robot and TCDHE series 3-in-1 at CHINAPLAS. On-site demonstrations highlight their technical features, showcasing the latest advancements in intelligent injection molding.
**Booth: 5.1C61**

At the booth of Daicel HPP (Formerly Polyplastics), a POM-specific 3D printer produces high-strength, high-precision, wear-resistant, and dimensionally stable functional parts from POM resin at high speed.
**Booth: 7.2C75**


## Visitor Feedback

**"We used to buy equipment from Germany or Italy, but now, Chinese-made products are just as excellent as those from other countries."**


This is my fifth time attending CHINAPLAS. I come from Australia, where labor costs are very high, so I have to find ways to reduce costs. My company is mainly engaged in plastic molding, and I am also interested in automation-related technologies. We used to buy equipment from Germany or Italy, but now, Chinese-made products are just as excellent as those from other countries.

**Australia** *Steven Hyde, Managing Director, TrendPac*

**"I have attended CHINAPLAS many times, and my main plan for this time is to purchase film equipment."**

I have attended CHINAPLAS many times, and my main plan for this time is to purchase film equipment. Our company mainly focuses on biodegradable materials. I believe such materials align with the country's future industrial development strategies. In addition, the current international situation mainly impacts petroleum, petrochemical and other raw materials, whereas bio-based materials face relatively small market cost pressures.

**China** *Tan Jin, General Manager, Hunan Green Star Technology Group Co., Ltd.*

# Husky's future-ready technologies take center stage

Packaging Medical

4.1C24

Technology is a cornerstone of the plastics industry, driving product innovation while creating a more sustainable global impact. Calvin Pang, Vice President of Systems & Tooling, East Asia, Husky Technologies™, identifies three pivotal industry trends: standardized circular economy systems, data-driven digital production, and energy-efficient, low-carbon operations.

Regarding standardized sustainability systems, Pang observes that recycled content policies across Asia are becoming increasingly structured. China is introducing national recycled plastic standards in 2026, while South Korea and Japan continue to enforce strict requirements that drive demand for high-quality recycled materials.

At the same time, manufacturers are transitioning from basic automation to AI-enabled, data-driven production.

## Innovations at CHINAPLAS

At CHINAPLAS 2026, Husky—a global leader in injection molding since 1953—showcases high-efficiency, circular-enabling solutions that respond to industry trends. These PET preform, packaging, and closure technologies are engineered to boost productivity, enhance rPET capabilities, and reduce conversion costs.

Key innovations for the food, beverage, consumer goods, and medical markets include:


Calvin Pang, Vice President, Systems & Tooling, East Asia, Husky Technologies™.

- HyPET6e and HyPET NX6 PET preform molding systems for various applications and production volumes, featuring advanced rPET processing to meet stringent packaging sustainability mandates
- New Hylectric 6 and HyperSync packaging platforms designed for maximum productivity and versatility across diverse consumer-packaged goods applications
- Sustainable, lightweight, tethered, and HyCAP SecuRE+ PET solutions that support mono-material package designs
- Advantage+Elite real-time proactive monitoring to optimize OEE and lower conversion costs
- High precision hot runner and controller technologies powering performance across industries
- Medical solutions for the parenteral, diagnostics, and laboratory sectors

> **"Throughout Asia, accelerating policies regarding EPR, recycled content, and carbon disclosure are pivoting demand toward high-quality recycled materials and sophisticated processing technologies."**

Pang notes that these technologies address the surging demand for sustainable, cost-effective molding in Asia's rapidly growing packaging sector. Furthermore, the integration of real-time monitoring reflects the industry's shift toward digitally optimized, high-performance production.

## Rising demand for high-quality recycled materials

Regarding market development, Pang suggests that value creation and sustainability mandates—combined with technology adoption—are unlocking new opportunities within a moderate growth environment.

New Hylectric 6 packaging platform is designed for maximum productivity.

He explains that while global economic expansion sustains demand for packaged goods and healthcare products, China presents a complex landscape: stable consumption across major industries is offset by a structural oversupply in PET, which continues to compress margins.

Beyond China, Southeast Asia and India are gaining momentum from urbanization, a growing middle class, and manufacturing relocation.

Meanwhile, Japan and South Korea remain at the forefront of high-performance polymers and sustainability advancements.

"Throughout Asia, accelerating policies regarding EPR, recycled content, and carbon disclosure are pivoting demand toward high-quality recycled materials and sophisticated processing technologies," Pang notes.

# SUDARSHAN stays customer-centric to meet premiumization trend

Automotive Packaging Sports & Leisure

8.2F31

In times of uncertainty and change, the market is full of challenges. SUDARSHAN, a leading global manufacturer of colorants, is navigating challenges through product innovation and application development together with their customers, especially in areas of sustainability.

"Designing for recyclability, along with making bio-based and recycled materials easy to source and use, are key drivers of the sustainable plastics industry," says Wang Peifeng, Head of Sales, Greater China, SUDARSHAN. He also sees an increased utilization of bio-based plastics and PFAS-free plastic materials in the market.

Wang adds that performance requirements and environmental considerations are also strongly influencing the choice of plastics and rubbers for sports shoe midsoles.

Apart from smart manufacturing, the company is increasing its use of digital technologies including AI tools, which can empower employees to work more efficiently and broaden their work scopes.

Wang observes that as electric vehicles grow in popularity, new opportunities are emerging because electrification is fundamentally changing plastics requirements in the automotive sector. He also notes that rising power demands and greater heat generation in AI data centers are driving higher quality standards for the plastics and rubber that support them.

The company also sees a trend toward


Wang Peifeng, Head of Sales, Greater China (Left) and Marc Zwart, Technical Manager, China Plastics.

"premiumization", in which firms emphasize higher-end products and color plays a critical role in supporting that. "Premiumization serves as a primary, nonverbal communicator of quality, sophistication, and exclusivity," Wang explains.

## Collaborating with customers to support their success

Wang's views are echoed by Marc Zwart, Technical Manager, China Plastics: "We work together with our customers to identify the right grades for their applications."

Zwart emphasizes that this collaboration is particularly important in scenarios such as metamerism, where colors match under one light source but appear different under another.

Zwart reveals that the company is investing in latest lab equipment to

> **"Designing for recyclability, along with making bio-based and recycled materials easy to source and use, are key drivers of the sustainable plastics industry."**

enhance customer support at its Shanghai Technical Application & Regional (STAR) Color Competence Center. New additions include a twin-screw extruder for dispersibility testing, a torque rheometer for sensitive viscosity measurements, and a tunable LED light booth for advanced metamerism evaluation.

## Innovations to help customers stay ahead

With premiumization driving demand for more striking colors, the products showcased at this year's CHINAPLAS emphasize pigments that deliver maximum chroma or transparency for greater consumer impact. These products also reflect the growing use of sustainable plastics—bio-based, recycled, and PFAS-free—and the corresponding need for appropriate coloration solutions.

Highlights include pigments that deliver high chroma and strong migration fastness for bio-based TPU, including formulations suitable for 3D printing in footwear and sports gear, and pigments offering high chroma and transparency for transparent bio-based polyamides used in smart wear, such as AI glass frames and headset bands.

The company has also expanded its range of pigments with certified Product Carbon Footprints and adopted more sustainable production processes to improve impurity profiles. These products, including pigments certified for coloring the latest bio-based EVA, TPU, and PA grades, are also on display at CHINAPLAS.

Other showcased products include PV Fast Yellow H9G 01—the greenest high-performance pigment—alongside PV Fast Yellow H4G and Sudaperm Yellow 3033K. All three offer indirect food-contact approval and good lightfastness, making them well suited for consumer items such as cooling boxes and thermal mugs. Also featured are "Aqua Blue" colorant solutions, the commonly used color for automotive FAKRA connectors used in advanced driver-assistance systems (ADAS) and camera systems.

Huebach highlights pigments that deliver high chroma.

# Xinle Huabao empowers efficient and energy-saving film production

Packaging

6.1B76

Although the global economy is gradually recovering in the post-pandemic era, the plastics and rubber industries continue to face challenges such as low profit margins and increasing demands for product quality. Ma Shuchen, General Manager of Xinle Huabao Plastic Machinery Co., Ltd., expresses a cautiously optimistic view regarding market development in 2026.

He notes that the industry will encounter both opportunities and risks in 2026, emphasizing that enterprises must focus on technological advancement, achieve leadership in innovation, and maintain stable performance to enhance product competitiveness and secure their position in the market.

## Building world-class machines with cost advantage

In Xinle Huabao's view, the main driving force behind industrial development lies in the continuous exploration of new products, processes, and technologies.

By leveraging the cost advantage of Chinese high-performance manufacturing, the company aims to build world-class machines that excels in both performance and quality, while consistently advancing in technological R&D and manufacturing processes.

This development strategy not only meets the urgent needs of downstream enterprises for high-efficiency, energy-saving, and intelligent equipment, but also aligns with the overall industry trend toward high-quality and green transformation, injecting sustained momentum into the growth of the company.

Ma Shuchen, General Manager, Xinle Huabao Plastic Machinery Co., Ltd.

## Three key areas to drive product upgrades

Xinle Huabao considers technological innovation and lean manufacturing as its core competitive advantages. The company identifies development trends in plastics machinery manufacturing and focuses on three key areas to drive product upgrades, fully aligning with industry needs.

First, improving production efficiency. Xinle Huabao aims to significantly enhance machinery manufacturing speed through structural optimization and process innovation.

Second, enhancing automation. By introducing automated supporting systems, the company reduces manual intervention, achieving precise and standardized production processes.

Third, reducing energy consumption. The company focuses on energy conservation in the selection of core components and equipment design.

> **"The main driving force behind industrial development lies in the continuous exploration of new products, processes, and technologies."**

## Exhibited machine boasts five core advantages

According to Ma Shuchen, the intelligent 7-120 layers ultra-thin nano PE stretch film line, launched by Xinle Huabao at the exhibition incorporates five core advantages, fully meeting the large-scale, green, and intelligent production demands of the plastics and rubber industries:

- High Output: The production line operates at a speed of 500 meters per minute, achieving a daily output of 18 tons.
- Low Energy Consumption: Core components are sourced from top-tier energy-saving brands, reducing the overall energy consumption of the machine by approximately 20%.
- Compact Footprint: The duplex structure design optimizes the workshop layout and enhances space utilization.
- Superior Performance: Equipped with five main machines and utilizing multi-layer cross-overlapping technology, it creates a 56-layer micro-nano structure that significantly improves key indicators such as puncture resistance and tensile strength of the film.
- High Automation Level: Featuring automatic die heads and thickness measurement systems from first-tier brands.

Xinle Huabao's film production machine showcased features high output, low energy consumption, and a high level of automation.

# Starlinger debuts PP*STAR pinch bottom conversion technology

Packaging Recycling

2.1F51

Amid a modest increase forecasted for the 2026 plastics market, China remains the dominant global demand driver and capacity hub, with robust growth expected to come from South East Asia, according to Harald Neumüller, CSO of Starlinger & Co Gesellschaft m.b.H.

"Currently, the plastics market is neither in a boom phase nor in a downturn and shows modest growth," he says, explaining that current market developments are affected by factors including overcapacities from previous years, geopolitical issues such as tariffs, supply chain fragmentation and increased regionalization, as well as oil price volatility and logistics disruptions.

However, although China still remains the dominant global demand driver and capacity hub, he is wary of a continual weakening of consumer demand there. "As we see it, the strongest growth region at the moment is South East Asia where rising middle class consumption and export manufacturing are driving demand," he says.

## Key market trends and growth sectors

Neumüller points out that major growth drivers can be the recovery of the markets and the increasing demand in Asia. In particular, packaging demand and sustainability-driven innovation in the automotive and construction sectors will probably act as structural growth engines.

As a result of regulatory pressure in regions like the EU, China and India, as well as corporate ESG commitments with regard to recycled content, the market is also inclining towards sustainable packaging solutions. "This has become a trend that we have already witnessed in the past years, although it has been slowed down by the struggling world economy," he notes.

Finally, he adds that rising labor costs as well as equipment modernization are paving the way for digitalization and automatization in the production sector, while high energy costs are demanding energy-efficient production equipment.

## Developing products that cater to market needs

Starlinger, a globally leading supplier of machinery for woven plastic packaging production, plastics recycling and refinement, is developing its products and solutions according to the needs of the market.

For example, in the development of its production technology and plastic packaging solutions, Starlinger strongly focuses on sustainability and low operational costs to provide cost-efficient production machinery for its customers. This includes energy and resource efficiency as well as automation and digitalization for reduced downtime, increased output and less production waste – all of which ultimately benefit the customers.

He emphasizes that Starlinger's machines fully meet the current market trends for highly digitalized, energy-efficient production equipment that amortizes quickly due to reliable operation and high production capacities.

In the area of plastics recycling, Starlinger's PET bottle-to-bottle recycling technology has been approved for food-grade applications by a number of multi-national brand owners as well as national and international authorities.

> **"The strongest growth region at the moment is South East Asia where rising middle class consumption and export manufacturing are driving demand."**

Harald Neumüller, CSO of Starlinger & Co Gesellschaft m.b.H.

## Unveiling the latest innovations and solutions

All these features are epitomized by Starlinger's new PP*STAR® pinch bottom conversion technology, showcased for the first time at this year's CHINAPLAS.

An attractive and sustainable dry bulk packaging solution, PP*STAR® pinch bottom bags are made of woven polypropylene tapes laminated with a reverse-printed BOPP film. They are a mono-material packaging and thus fully recyclable, and at the same time break-proof and lightweight.

Another highlight is the circular loom RX 6.1pro which will be in operation at the Starlinger stand during the exhibition. It produces top-quality tape fabric for lightweight sacks such as PP*STAR® bags at speeds of up to 920 picks per minute.

He adds that Starlinger tape extrusion lines, circular looms and other bag production equipment can process recycled PP and PET.

Adsale Plastics Network
AdsaleCPRJ.com
Industry Insight · Business Connect

Official Publication and Online Media
Chinaplas® 国际橡塑展 2026

# Be Seen · Be Sourced
# By Decision-Makers


## Who is Reading the Guide?

Robust reader base from leading enterprises across Packaging, Automotive, Medical, E&E sectors, etc.

### 2026 New Reader Registrations include:

Nestlé (India)
S-OIL (Republic of Korea)
Havells India Ltd – India' s leading home appliance manufacturer
Bosch (India)
Polycab India Private Limited – India' s No. 1 Wire & Cable
PT Trias Sentosa Tbk (Indonesia)
GT-Max Food & Beverages Industries Sdn Bhd (Malaysia)
Tulus Lancar Sejahtera (Indonesia)
Dynaplast packaging (Vietnam)
MIROPLAST (Ukraine) – PVC profile producer

**Readership and registrations will continue to grow**

eCopy
FREE e-copy

## Why Advertise?

**High-Impact Digital Exposure**
eBook receives **50,000+** page views per issue, engaging global key buyers.

**Position Your Brand as a Trusted Supplier**
Showcase your strengths in exporting, quality certifications, product and solutions.

**Extensive Print Distribution**
Distributed at **CHINAPLAS** (visitor registration counters and 20+ locations), as well as events worldwide.

**Contact us today to reserve your ad spaces** cprj@adsale.com.hk

## Revolutionize Your Plastics Supply Chain with
# Our Newly Released Sourcing Guide

Source smarter
Innovate faster
Connect globally

FREE e-copy

## What' s inside:

**Global Production Network:**
How Chinese companies are strengthening their global presence?

**Efficient Sourcing:**
How to effectively source Chinese plastics machinery & materials?

**Innovation & Quality:**
Why global trust in Chinese suppliers is growing?

**Eco-Innovation:**
Breakthroughs in sustainable packaging & automotive sectors.

**Boost Competitiveness:**
How Chinese extrusion machinery can enhance your business?


Adsale Plastics Network
AdsaleCPRJ.com

# Call for innovative, flexible, and open circular procurement

Procurement plays a crucial role in an organization by controlling costs and quality, maintaining competitiveness, and driving success. By incorporating circularity and innovation, procurement can generate greater value not only for the organization but also for the circular economy and global sustainability.

Lina Svensberg, Innovation Manager at Compare/DigitalWell Arena and Lead Expert on Innovation Enhancing Procurement at the United Nations Economic Commission for Europe (UNECE), outlines a holistic and comprehensive approach to circular and innovation-enhancing procurement.

Many companies and governments view procurement primarily as a means to reduce order costs or select the supplier with the lowest price. This traditional, linear perspective on supply chains sees value flowing in one direction—from raw materials to products to waste.

In contrast, circular systems emphasize loops: repair, reuse, remanufacturing, and recycling. These loops rely on upstream decisions, such as material selection and product design, being aligned with downstream processes at the end of a product's lifecycle.

The concept of circularity also calls for a fundamental shift in how we perceive value. Much of today's procurement logic begins with a defined need and focuses on specifying and sourcing a solution. However, in circular systems, value often arises from existing resources, materials, and by-products, as well as from exploring their potential uses.

Therefore, innovation and experimentation must take place throughout entire value networks—not just around products and materials, but also concerning processes such as logistics, information flows, and the movement of components and resources back into circulation.

## Advancements underway in Europe

Svensberg highlights that an important shift is currently underway in Europe. Traditionally, design for circularity and sustainable purchasing have been viewed as related but largely separate issues. Today, these perspectives are increasingly interconnected. Products are expected to be designed with their entire lifecycle in mind, while procurement practices are expected to support those design choices by organizing demand accordingly.

Regulations like the Ecodesign for Sustainable Products reflect this change. The focus is no longer solely on what is purchased at a single point in time; instead, it emphasizes how products are designed to last longer, be repaired, reused, and ultimately recycled. This also places greater importance on transparency, requiring that information about materials and components be available throughout a product's lifecycle. This alignment bolsters the connection between design requirements and purchasing decisions.

This shift makes one thing clear: circularity cannot be achieved by any single organization acting independently. Value is generated when designers, manufacturers, users, service providers, and end-of-life stakeholders coordinate around shared material flows.

Moreover, these European advancements are not isolated; they align with broader global trends as supply chains in Asia and beyond adapt to similar expectations for transparency, durability, and the circular use of materials.

## Circular procurement as an ongoing learning process

When buyers and purchasing managers prioritize recycling in their procurement decisions, one significant challenge they encounter is that recycling is often framed as a matter of selecting the "right" product—namely, one produced according to circular principles. Svensberg acknowledges that while this approach is valid, it is also limited.

She emphasizes that a circular economy cannot be created by merely choosing individual solutions; it relies on how value is created, used, and recovered across a broader value network. Thus, achieving effective recycling at scale necessitates greater interaction among those who design products, supply materials, utilize them, and manage them at the end of their lifecycle.

"Knowledge about materials, processing, regulations, and real world use needs to meet in order to figure out what can work in practice. This calls for experimentation and learning, not only compliance with predefined requirements," she states.

## An innovative and flexible approach

Many organizations still assume that innovation occurs first, with procurement stepping in later to select and contract solutions. However, in circular systems, this sequence often proves ineffective. Svensberg recommends embracing circular solutions that include flexible contracts, allowing for learning, adaptation, and collaboration over time instead of trying to specify every detail upfront.

She notes that innovation procurement has frequently been narrowly defined as merely a set of procedures for acquiring innovative products, rather than as part of a broader strategy for organizing innovation, learning, and market development. In practice, this entails moving beyond rigid product specifications and utilizing procurement to foster collaboration among different stakeholders in real-world settings. It also involves understanding how products, services, and processes evolve over time and making adjustments as needed.

"More innovative approaches involve engaging procurement earlier in exploration and learning, creating space to test materials, designs or service models, and accepting a degree of uncertainty as part of the process," she explains.

## An open mindset and business model

For organizations navigating circular transitions, the crucial question may not only be how to procure more sustainably, but also how to organize demand, collaboration, and value creation in ways that facilitate the emergence and maturation of circular solutions over time. Those who view procurement as a driver of experimentation will be better positioned to translate circular ambitions into everyday economic practices.

Svensberg observes that many discussions around circularity still concentrate on individual decisions—what to design, what to buy, or what to recycle. While these considerations are important, they risk overlooking the broader context.

She concludes that circularity is ultimately about how systems are structured and how different stakeholders are empowered to collaborate around shared material flows. Progress, therefore, will depend less on perfect specifications and more on creating environments for interaction, learning, and experimentation across organizational boundaries.

In this light, procurement should not be viewed solely as a compliance function or a transactional mechanism, but as part of the infrastructure that enables collaboration and innovation at scale.

Lina Svensberg, Innovation Manager at Compare/DigitalWell Arena and Lead Expert on Innovation Enhancing Procurement at UNECE.

# Top 10 Technology Trends in Plastics and Rubber 2026 awards announced

Organized by the Adsale Plastics Network and launched in January this year, the "Top 10 Technology Trends in Plastics and Rubber 2026" initiative has received widespread industry response and has recently announced its award winners.

The top 10 technology trends are as follows:

- Fast AI Evolution
- Multiple Pathways for Climate-Friendly Materials
- Multi-Material Compatibility of Recycling Equipment
- Sustainability and Performance Upgrades for Additives
- Functional Films Designed for Thinness, Strength, and Speed
- Lightweight Materials for Emerging Industries
- Multifaceted Advances in Medical Plastics
- Optimization of Energy-Saving Technologies
- Multi-Material Molding and Integrated Functionality
- Enhanced Precision and Durability of Hot Runners

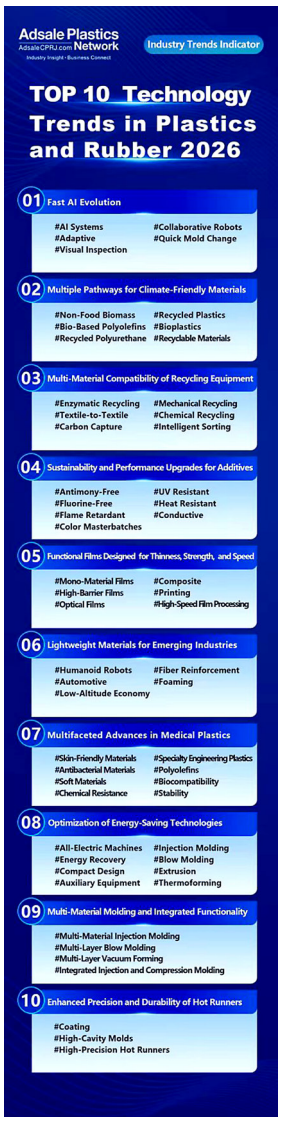
A panel of more than twenty scholars from universities, industry association experts, and representatives from end-user companies conducted a professional evaluation.

The final results, based on criteria such as innovation, environmental benefits, and commercial value, combined over 20,000 online votes with selections from the organizing committee and evaluations from the panel. These were weighted as follows: expert review (50%), online voting (40%), and committee review (10%). The awards include the Industry Leadership Award, Industry Pioneer Award, Outstanding Achievement Award, and Breakthrough Innovation Award.

From the award-winning case studies submitted by participating companies, the following key trends in industry development are unveiled:

1. Energy savings, cost reduction, and compatibility remain the strongest demands at the equipment level.
2. Innovation on the materials increasingly emphasizes environmental responsibility and performance in parallel.
3. Directions such as AI and functional integration are moving from concepts to practical applications.
4. On the application side, the focus is shifting from "single-parameter comparisons" to matching entire lines and specific scenarios.

A report for the campaign in English will be published at Adsale Plastics Network (AdsaleCPRJ.com), please stay tuned.




The initiative received 122 case studies submitted by 106 enterprises.

# Webinar
@CPRJ Live

# A Free Learning Hub for Plastics Professionals

Learn practical insights on materials, machinery and manufacturing technologies from leading industry experts.










## Popular topics

- Injection molding technologies series
- Sustainable plastics materials
- Blow molding solutions
- AI-driven vision inspection
- Recycling and circular economy

**Scan to join us today**

---

PLASTICS CONFERENCE
塑料·主题论坛
ConnectME
AdsaleCPRJ.com

Unlock exclusive industry insights
Register Now
解锁独家行业洞察
即刻注册


**In-depth discussions with 3,000+ attendees!**
**Engage with industry leaders and network in person.**
**深度对话，链接人脉**

| | |
|---|---|
| Plastics Recycling & CIRCULAR ECONOMY Conference 塑料回收与循环经济论坛 CHINAPLAS x CPRJ | 4月20日, Apr 20<br>塑料回收与循环经济<br>Plastics Recycling and Circular Economy |
| Plastics in PACKAGING Conference 塑料包装论坛 AdsaleCPRJ.com • ConnectME | 8月6-7日, Aug 6-7<br>塑料包装<br>Plastics in Packaging |
| MEDICAL Plastics & Rubber Conference 医用橡塑论坛 AdsaleCPRJ.com • ConnectME | 9月17-18日, Sep 17-18<br>医用橡塑<br>Medical Plastics and Rubber |
| Plastics in AUTOMOTIVE Conference 车用塑料论坛 AdsaleCPRJ.com • ConnectME | 11月12-13日, Nov 12-13<br>车用塑料<br>Plastics in Automotive |

---

The 39th International Exhibition on Plastics and Rubber Industries
Chinaplas 国际橡塑展 2027

# Chinaplas
# 国际橡塑展

Advancing a Smarter, Circular Future - As One

2027

4·13 / 4·16


**Shenzhen World**
Exhibition & Convention Center

ChinaplasOnline.com

YIZUMI

Stock Code: 300415

# SMART VISION
# GREEN FUTURE


YIZUMI IMM Booth **4.1C32**

YIZUMI RIM Booth **1.1D51**

YouTube YIZUMI_Official

YIZUMI_Official

## Join Us

### YIZUMI CONNECT 2026

ADVANCED MOLDING TECHNOLOGY CONFERENCE

20th - 24th April, 2026

Nanxun, Zhejiang, China

For details and registration, please visit the YIZUMI booth