

SHOW
DAILY

4/16

What's Inside ● P.1 Show News P.6 Event Highlights
P.8 Snapshots P.11 Market ReportVisitor Count ● Day 1 79,894 Local 61,642
Overseas 18,252 (22.85%)New quality productive forces take spotlight
An engine driving innovation and sustainability

"New quality productive forces" break through the boundaries of traditional productivity, with its core characteristics being green, efficient, and intelligent. They deeply integrate scientific and technological innovation, environmental protection, and efficient resource utilization, giving birth to entirely new industrial forms and business models.

From new energy vehicles (NEVs), low-altitude economy, photovoltaics, green materials to intelligent manufacturing, new quality productive forces are accelerating the transformation of the modern industrial system. In this transformation, plastics and rubber have played an irreplaceable role.

From environmental challenges to sustainable solutions

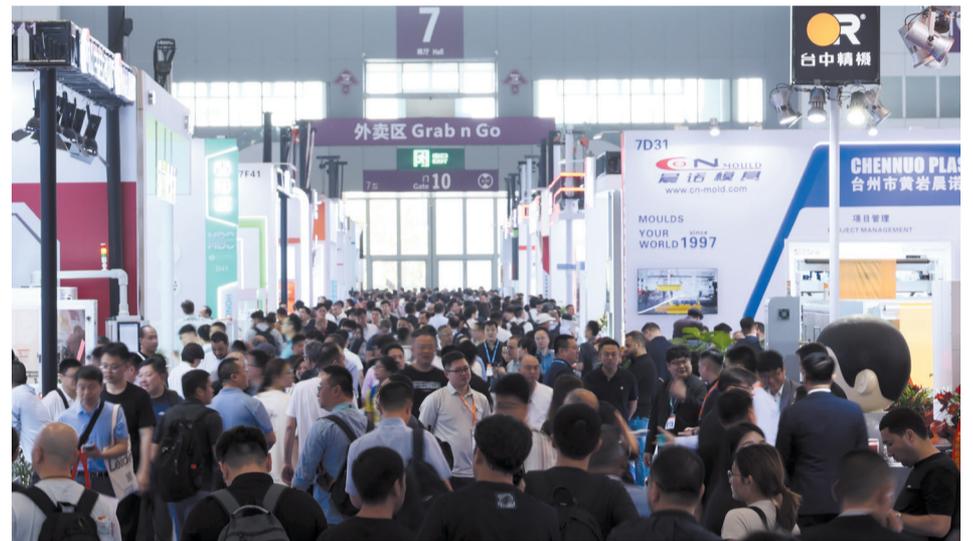
Driven by new quality productive forces, plastics are accelerating their transition from traditional petrochemical-based materials to recycled, bio-based,

degradable, and high-performance materials, becoming an important driving force for sustainable development. At CHINAPLAS 2025, many exhibitors showcase high-quality green material solutions and their extensive applications.

Driven by the innovation of new quality productivity, the application of recycled plastics in industries such as packaging, automobiles, and electronics is becoming increasingly popular.

One of the highlights of **KRAIBURG TPE (Booth: 17Q71)** at the exhibition is its sustainable TPE solution. This material contains up to 48% post-consumer recycled (PCR) and 50% post-industrial recycled (PIR) components, and it has excellent encapsulation with PP. It is suitable for multi-component injection molding processes and offers a rich selection of pre-colored options, being widely used in various fields such as automotive exterior trims, headphones, and game machines.

At the same time, new quality productive forces have accelerated the



CHINAPLAS 2025 welcomed 79,894 visitors on the first day, the fairground was full of visitors.

development of efficient plastic recycling technologies. Among them, chemical recycling technology can decompose waste plastics into their original monomers

and reuse them in the production of new plastics, achieving a closed-loop utilization of resources.

(Continues on P.2)

HKPMA 香港塑膠機械協會
Hong Kong Plastic Machinery Association

Versatile Injection Molding Solution
for Automotive Parts

Headlights | Strip Lights



Advanced Efficient and Energy-saving Servo Injection Molding Machine POTENZA-A **PTA250**

Two-Platen Energy-saving Servo Injection Molding Machine FORZA **FA750**

Booth NO. **12J31**Special Acknowledgement **LKIMM**

(Continued from P.1)

In addition, bio-based and degradable plastics such as polylactic acid (PLA) and polyhydroxyalkanoates (PHA), which use renewable resources such as corn and sugarcane as raw materials, can not only effectively reduce the dependence on petroleum resources but also have the property of being degradable.

For example, the UPM Formi EcoAce innovative bio-based composite material showcased by **STAR-BETTER CHEM (Booth: 15K41)** is made from wood fibers and renewable biopolymers derived from UPM BioVerno naphtha, and it can be widely applied in industries such as automobiles, electronics, and 3D printing. Compared with traditional petrochemical-based plastics, the carbon footprint of some products made from this material is reduced by more than 90%.



STAR-BETTER CHEM also highlights low odor and low-voc solutions at CHINAPLAS.

Meanwhile, high-performance plastics, with their excellent strength, heat resistance, and lightweight characteristics, have become an important alternative to traditional metal materials. They not only improve the performance and lifespan of products but also effectively reduce carbon emissions.

High-performance plastics, such as carbon fiber-reinforced thermoplastic composites, glass fiber-reinforced thermoplastic composites, and liquid crystal polymers, have been widely used

in emerging industries such as new energy vehicles, low-altitude economy, and photovoltaics.

Innovative applications of plastics in emerging industries

Market demand is the fundamental driving force behind the development of new quality productive forces, clarifying its development direction. The rapid development of NEVs is a typical example of new quality productive forces, in which the continuous innovation of plastics has significantly improved energy efficiency and safety.

The application of innovative high-performance plastics in the field of new energy vehicles mainly focuses on three aspects: battery packs, intelligent driving, and lightweight materials.

The structural components of battery packs, as the core components of the energy system of electric vehicles (EVs), their design and material selection are crucial for safety and driving range. In order to further enhance the lightweight effect, in recent years, the application of automotive plastics in the design of battery packs has been increasing.

For example, the long glass fiber-reinforced flame-retardant nylon material launched by **Shanghai PRET (Booth: 17K105)** is used to replace the steel in the structural components of battery packs, reducing the weight of the components by 40% and the manufacturing cost by 15%.

In terms of processing technology, **KraussMaffei (Booth: 12J41)** has successfully applied the high-pressure resin transfer molding (HP-RTM) process to the manufacturing of battery casings for NEVs. Compared with traditional steel battery casings, the weight of composite battery casings using the HP-RTM process can be reduced by 60%.

Intelligent driving is becoming increasingly important in the future travel trend, and new types of plastics make the autonomous driving system more accurate and reliable. For example, the conductive

grade polybutylene terephthalate (PBT) of **Polyplastics (Booth: 17M65)** can be used in automotive millimeter-wave radars, having the advantage of electromagnetic wave shielding. At the same time, its conductivity adds an additional effect of reducing assembly work and costs.



Polyplastics offers a wide range of materials for future mobility.

As for the photovoltaic industry, the application of plastic materials has significantly improved the lightweight, durability, and conversion efficiency of solar panels. **BASF (Booth: 17D91)** combines polyurethane material frames with water-based coatings and matches them with engineering plastic corner connectors, providing a corrosion-resistant and lightweight solution for photovoltaic applications. Compared with traditional aluminum frames, this solution can reduce the weight by 30% and the carbon footprint by 85%.

Photovoltaic modules usually operate in harsh environment, and photovoltaic encapsulation films are key auxiliary materials for encapsulation, mainly used to protect the battery cells. **Wanhua Chemical (Booth: 17F71)**'s WANSUPER polyolefin elastomer (POE) can be applied to photovoltaic encapsulation films, with the advantages of a light transmittance of over 91% and a 20% improvement in weather fastness. It can meet the requirements of double-glass modules and reduce the encapsulation cost by 15%.



BASF showcases its developments in chemical recycling.

New quality productivity and smart manufacturing

As an essential part of new quality productive forces, smart manufacturing uses automation, artificial intelligence (AI), and big data analysis technologies to significantly improve the quality and efficiency. At CHINAPLAS 2025, visitors can gain an in-depth understanding of the latest developments in smart manufacturing through the highlight exhibits and on-site demonstrations.

With the continuous evolution of new quality productive forces, smart manufacturing will also evolve rapidly. Whether it is automated equipment, robots, or Internet of Things (IoT) and cloud computing technologies, the production process of products is moving towards a more intelligent direction. New quality productive forces and smart manufacturing complement each other, with the former providing driving force, and the latter being an important way for practical implementation.

Looking to the future, with the in-depth promotion of technological innovation and industrial integration, new quality productive forces will lead the global plastics and rubber industries to develop towards a more sustainable, more efficient, and more intelligent direction. CHINAPLAS will continue to witness and participate in this transformative journey.

Hong Kong Nylon: ISBM technology supports high-performing and sustainable packaging



Packaging

2G21

The latest Nissei ASB double-layer injection stretch blow molding (ISBM) machine from Nissei ASB Machine can produce many new forms of containers. One key application is using virgin plastic for the inner layer to ensure safety while incorporating post-consumer recycled (PCR) material for the outer layer, promoting circularity.

The machine also enables PET outer and PP/PE inner airless pump container design which prevent oxidization of the content in the container, making it ideal for producing preservative-free products packaging.

As the sole agent for Nissei ASB Machine Co., Ltd. in China region, Hong Kong Nylon Company Limited has been selling ASB machines and molds as well as providing aftersales services since 1980s.

According to William Yee, Sales Director of Hong Kong Nylon, the Nissei ASB double-layer ISBM machine also enables the production of containers with ultra-thick wall, uniform inner shape, gradation design, different materials for multi-barriers function, special inner



William Yee, Sales Director, Hong Kong Nylon Company Limited.

design, stripes design, two different colors, etc.

Equipped with Zero Cooling technology, the Nissei ASB 1-step 4-station ISBM machine can mold containers with

“ We are optimistic that there will be further growth in the Chinese market as consumer demands for plastic packaging or medical containers steadily strengthen. ”

William Yee, Sales Director, Hong Kong Nylon Company Limited

PET and more than 20 different plastic materials. The technology allows faster production cycle time and improves container quality for demanding packaging.

The produced containers provide outstanding flexibility with design including handleless, non-round necks, off-center and tilted necks. The machine also produces premium glass-like cosmetic containers as well as space-saving stackable containers.

Customized models are available for specialized processes, including double-layer and multi-layer molding, delivering advanced aesthetic and technical benefits. Moreover, all models incorporate energy-saving features for sustainability contribution.

Despite the recent challenging economic situation, the company remains confident that the plastic market for various industries will continue to expand

in 2025. “In particular, as glass and metal packaging are gradually replaced by plastic packaging, the demand of plastics is expected to grow,” says Yee.

“We are optimistic that there will be further growth in the Chinese market as consumer demands for plastic packaging or medical containers steadily strengthen,” concludes Yee.



Nissei ASB double layer technology enables containers with special designs.

Reifenhäuser points the way for profound extrusion production



10G21

Reifenhäuser Group, a leader in sustainable plastic extrusion machinery established in Germany over 100 years ago in 1911, believes that plastic is often the most sustainable packaging solution due to its low material consumption and weight, as well as the energy efficiency and recyclability.

"In almost all markets, we see increasing demand for resource-conserving and recyclable products, as well as the use of large proportions of recycled materials," notes Marcel Perrevort, CSO, Reifenhäuser Group.

To meet this demand, Reifenhäuser uses MDO (Machine Direction Orientation) technology in the field of plastic films to enable fully recyclable mono-material films with the same performance as conventional multi-material films.

Perrevort points out that smart automatization systems are also in demand to make production more efficient and alleviate the problem of the shortage of specialist staff, which is a serious problem in many regions.

He emphasizes that by using state-of-the-art connectivity, enormous efficiency potential can be leveraged. "We are countering this trend with our in-house connectivity solution c.hub, which can be applied to every new Reifenhäuser line or retrofitted to old lines, including those from third-party manufacturers," he explains.

Fully recyclable all-PE pouches for food packaging

At CHINAPLAS 2025, Reifenhäuser is showcasing the latest innovations that allow manufacturers to fulfill market

needs, achieve successful results and protect the environment.

Highlights include the Reifenhäuser EVO Ultra Stretch MDO unit, which enables blown film manufacturers to produce fully recyclable all-PE mono films - e.g. for barrier food pouches.

Perrevort explains that stretching gives the PE film sufficient stability to replace the usual PET film in the material composite. The necessary barrier effect is achieved with an EVOH content of less than five percent and therefore meets all requirements for complete recyclability.

In the same way, Ultra Stretch increases the barrier effect of the EVOH and reduces the necessary EVOH content while maintaining the same barrier effect. The all-PE mono film can be further processed and converted without any problems.

He adds that thanks to the patented position of the stretching unit directly in the haul-off of the blown film line, the film is also stretched at the ideal time and with the first heat, which makes the process particularly efficient and stable.

Recyclable films for packaging in medical and consumer goods

Another highlight is the Group's Kdesign technologies for blown films. Kdesign is part of the Reifenhäuser Group and specializes in market-leading technologies in the areas of cooling, measurement and calibration. For example, the KARAT cooling ring is known for highest performance, lowest film tolerances and easy handling.

Also featuring at the trade fair is the Group's CPP/CPE cast film line, offering

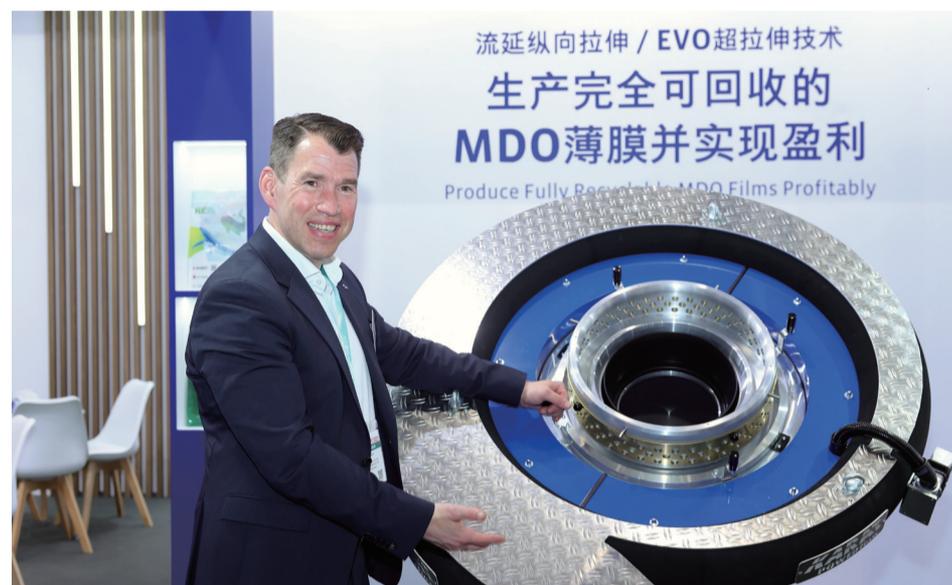
"In almost all markets, we see increasing demand for resource-conserving and recyclable products, as well as the use of large proportions of recycled materials."

Marcel Perrevort, CSO, Reifenhäuser Group

the unparalleled transparency, printability, easy-tear properties and sealing. The line is characterized by an MDO stretching unit that enhances the film properties, enabling recyclable mono-PP films with barrier functions for food and medical packaging. Adding EVOH and stretching the film improves the barrier effect while

maintaining recyclability.

In addition, the Group's automation system PAM (precise, autonomous, mechatronic) brings its cast lines to a whole new level. PAM automatically calibrates coextrusion adapters and dies via high-precision actuators for optimum convenience, quality and productivity.



Marcel Perrevort, CSO, Reifenhäuser Group, introduces the KARAT cooling ring.



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Recycled Plastics Zone empowers businesses toward sustainability

As global awareness of environmental issues grows, the use of recycled plastics is becoming increasingly prevalent in various industries. Innovations in recycling technology and sustainable practices are driving this trend, enabling producers to create high-quality products from post-consumer materials. This shift not only helps reduce plastic waste but also conserves resources.

CHINAPLAS 2025 features a dedicated theme zone, the Recycled Plastics Zone, showcasing the latest offerings in recycled plastics and making it easier for businesses to adopt sustainable solutions. The trade fair not only spotlights the importance of recycled plastics but also inspires a collective commitment to a more sustainable future.

Ceville leads the new trend of plastic recycling and reuse



20D61

At the CHINAPLAS fairgrounds, Jiangsu Ceville New Materials Technology introduces its recycled PET, HDPE and PP pellets. The company is one of China's leading manufacturers of post-consumer recycled (PCR) resins with global market access and is dedicated to the high-quality



Ceville's recycled HDPE pellets are suitable for producing food-grade EBM bottles and other applications.

recycling of plastic waste.

One of Ceville's standout products is its recycled PET pellets (CEV413N), a food-grade material certified by U.S. and EU food safety standards. CEV413N is widely used in PET sheets, personal and home care bottles, edible bottles, and other applications. It boasts excellent safety performance, with all indicators meeting qualified standards in food safety testing.

The product also features superior physical and mechanical properties, a stable viscosity index, and a pure white color free of black spots. When used in end products, it delivers transparency and color effects comparable to those of virgin materials.

Ceville also offers recycled HDPE pellets, which are suitable for producing food-grade EBM bottles, tubes, and membranes. Additionally, the company's recycled PP pellets are ideal for injection-molded products, including food-grade applications. These products demonstrate Ceville's commitment to providing sustainable, high-performance solutions for a wide range of industries.

Re-mall's recycled plastics for a wide range of applications



20B61

Shanghai Re-mall's Food Grade/Fiber Grade/Transparent Grade PCR-PP is a high-quality recycled material designed for a wide range of applications, including food contact, household chemicals, toys, automotive, nonwovens/textiles, and highly transparent packaging containers.

With its exceptional properties—high purity, high safety (food grade, FDA NOL), high transparency, low impurities, low odor, and carbon footprint traceability—Re-mall's PCR-PP sets a new standard for sustainable materials.

As a leader in plastic recycling innovation, Re-mall's commitment to R&D and innovation has enabled the company to hold over 43 patents. The company is also the first drafting organization for the r-ABS standard, playing a key role in setting China's National Standards for

recycled plastics.

By promoting high-value applications of recycled materials, Re-mall is driving the transition to a high-quality circular economy and meeting the growing demand for sustainable, high-standard solutions in the plastics industry.



Shanghai Re-mall's PCR-PP is designed for a wide range of applications.

Jiaren New Materials leads with polyester chemical recycling technology



20D41

One of Zhejiang Jiaren New Materials' flagship products is its recycled polyester yarn, known for its high quality, multi-functionality, traceability, and permanent recyclability. These green polyester products are widely used in industries such as sports, outdoor gear, fashion, home textiles, automotive, consumer electronics, food and beverage, cosmetics, home appliances, and medical fields.

Another highlighted product is r-DMT (recycled Dimethyl Terephthalate), a sustainable material derived from recycled polyester. With a purity of 99.9%, r-DMT is used to synthesize polyester fibers, resins, films, paints, and engineering plastics. It fills a critical gap in the domestic DMT market and supports the global DMT renewable strategy.

Applications of the product span automotive, food packaging, daily chemical packaging, consumer electronics, industrial fields (PET, PBT, TPEE), and civil fields (industrial fibers, optical films, release films, PETG, and plastic packaging).

Jiaren's r-DMT matches the quality of virgin materials while enhancing sustainability and performance, making it an ideal solution for high-end engineering plastics, packaging, fibers, and apparel.

Jiaren also offers a diverse range of recycled chips, including spinning-

grade chips (semi-dull, bright, full-dull), spinning-grade chips (semi-dull, bright, normal temperature/pressure cationic), spinning-grade chips (low viscosity, antimony-free, flame retardant), industrial-grade chips (high viscosity), film-grade chips (optical film, release film), and bottle-grade chips (food grade). These products cater to various industrial and consumer needs, ensuring high performance and sustainability.

Established in 2012, Zhejiang Jiaren New Materials is a leading enterprise in the chemical recycling of polyester production. It has developed a unique chemical recycling system that transforms waste textiles into high-quality, sustainable polyester products, creating a truly sustainable recycling ecosystem.



Jiaren New Materials' recycled polyester yarn features high-quality, multi-function, and traceability.

Food-grade recycled materials from Veolia



20A41

As a global leader in optimized resource management, Veolia Huafei is committed to designing and providing water, waste, and energy management solutions that contribute to the sustainable development of communities and industries.

Veolia Huafei's Food Contact Grade PCR-PET is an innovative material designed to meet the highest safety and sustainability standards. This BPA-free grade product complies with stringent food-grade requirements, boasting levels of BPA<0.1ppm, AA<1ppm, and Benzene<0.1ppm.

Through advanced purification technologies, including raw material identification, decontamination, and EREMA purification, the company ensures

the material's safety for food contact packaging. Aligned with virgin PET food safety standards, this PCR-PET offers consumers a reliable and eco-friendly solution for various food packaging applications.

Meanwhile, Food Grade Recycled Polyester BG085C & IMHLC_T9 are crafted from high-quality post-consumer PET drinking bottles. Utilizing a rigorous recycling process—encompassing sorting, decontamination, crushing, drying, VOC removal, filtration, extruding, and granulating—these products provide a sustainable alternative to raw polyester particles.

These grades are suitable for diverse applications such as drinking water bottles, cosmetic boxes, storage boxes, and high-end plush toys, exemplifying Veolia Group's commitment to innovation and environmental stewardship.



Veolia Huafei's Food Grade Recycled Polyester BG085C & IMHLC_T9 are made from high quality post-consumer PET drinking bottles.

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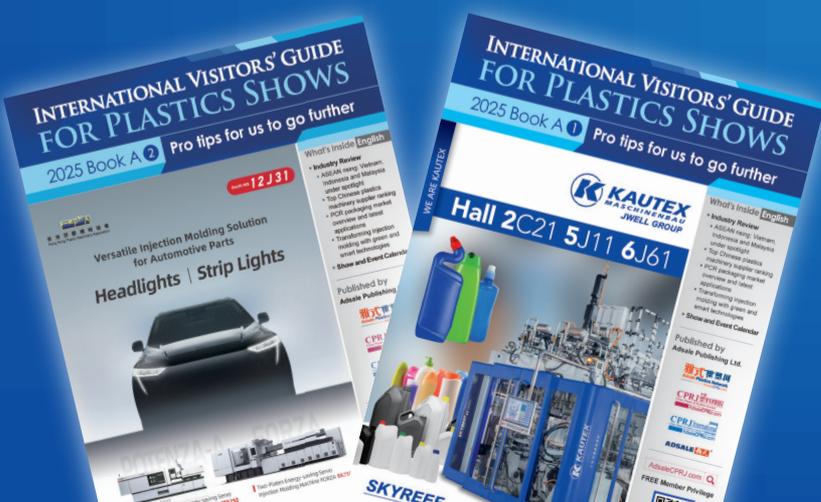
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Innovating for a greener tomorrow: Recap of Sustainable Plastic Packaging Forum



Concurrent Event
Overview

The Sustainable Plastic Packaging Forum at CHINAPLAS 2025, co-organized by Adsale Group and China Packaging Federation, serves as a pivotal event in shaping discussions on the future of plastic packaging in a sustainable world.

The two-day event brings together key industry players, experts, and thought leaders to provide an in-depth overview of the evolving plastic packaging landscape. It attracts global speakers from various sectors, including brand owners, plastics packaging manufacturers, industry associations, and research institutions.

The forum began yesterday, emphasizing critical industry insights and the urgent need for sustainable packaging solutions in light of environmental challenges and regulatory pressures. Today, participants can join two

parallel sessions that will delve deeper into specific areas of innovation and development.

Yesterday's forum featured a series of insightful keynote sessions and engaging panel discussions, offering valuable perspectives on the global sustainability movement and highlighting the significant role of the plastics industry in addressing environmental concerns.

The event kicked off with keynote speeches from Han Xueshan, Vice President and Executive Secretary General of the China Packaging Federation.

Nerida Kelton, Vice Chairman, World Packaging Organization (WPO) then shared an overview of the sustainable trends, policies, and challenges in the global plastic packaging market. Meanwhile, Dr. Pattra Maneesin, Asian

Packaging Federation (APF), discussed eco-friendly packaging solutions in the Asian market.

Dr. Ernst Krottendorfer, Managing Partner, Circular Analytics TK GmbH, also provided insights into the current landscape of the EU Packaging and Packaging Waste Regulation (PPWR).

In his presentation, Ir. Hari Neogroho, Promotion & Partnership Director, Indonesia Packaging Federation, addressed the market trends and challenges facing the ASEAN industry.

During the second part of the forum, Amy Song, APAC Marketing Director, Food & Specialty Packaging, Packaging and Specialty Plastics, Asia Pacific, Dow Chemical (China) Investment Co., Ltd, discussed the transition to a new era for plastics, focusing on advancing packaging towards greater circularity.

Besides, Kang Yufei, Senior Associate Principle at Mondelēz International, shared about how to promote sustainable packaging through flexible plastic formula and process innovation.

The day concluded with an engaging panel discussion, where experts and industry leaders exchanged ideas, sparking a dynamic conversation among audience. Several case studies highlighted how companies have made substantial strides in adopting sustainable materials and increasing recyclability.

Importantly, the forum addressed not only technological innovations but also the regulatory frameworks and market demands driving the need for sustainable packaging. The discussions provided insights into how packaging solutions are becoming more aligned with government regulations and consumer expectations, as both demand greater transparency and eco-consciousness.

A sneak peek: Tomorrow's landscape and innovation unveiled

As the forum continues on Day 2, audience can look forward to two parallel forums offering in-depth insights into sustainable packaging. Leading equipment and material suppliers such as Henkel, SABIC, Husky Injection Molding, KIEFEL, and Miyakoshi Printing Machinery will showcase their latest innovative solutions during the sessions.

Parallel Forum I will focus on flexible plastic packaging, showcasing innovative sustainable plastic packaging technologies and solutions. Experts will discuss advancements in materials, design, and production processes that promote sustainability.

Meanwhile, Parallel Forum II will delve into rigid plastic packaging, exploring cutting-edge sustainable technologies and solutions for rigid packaging applications.

Both forums will highlight the latest developments in the industry and offer valuable insights into how these innovations are driving the next generation of packaging solutions.

In the Buyer Talk sessions, speakers will discuss the challenges and insights related to sustainable flexible and rigid plastic packaging. These sessions will facilitate the exchange of ideas and pain points, promoting efficient collaboration between brand owners, packaging manufacturers, material suppliers, and equipment producers. This interaction will help streamline the connection between the upstream and downstream sectors of the industry, encouraging better communication across the supply chain.



The Sustainable Plastic Packaging Forum attracted a large crowd of audience.

SportsTech Chic + Green: Bridging innovation in sports and sustainability

The much-anticipated SportsTech Chic + Green, a new concurrent event at CHINAPLAS 2025, was successfully inaugurated yesterday.

The event showcased innovative technologies for the sportswear and sporting goods industry. It offers the visitors a unique opportunity to explore the intersection of sports innovation and sustainability.

Leading brands, technical experts, R&D innovators, designers, and fashion consultants from around the world gather to demonstrate how eco-friendly plastics are transforming the production of sports gear, including footwear, apparel, and accessories.

On Day 1, with the theme "Sports Go Green with Eco-Friendly Plastics", the focus was on how the sports industry is embracing eco-conscious materials in response to the growing demand for sustainable solutions.

Experts from organizations such as Tongji University, BASF, Shanghai Re-Mall Environmental New Material, Shanghai Smart New Materials, and Xinjiang Blue Ridge Tunhe shared valuable insights into sustainable practices within the industry.

The renowned experts highlighted advancements like the use of bioplastics and recyclable materials, aimed at reducing the environmental footprint of traditional sports equipment. They also emphasized the rising appeal of eco-friendly sports apparel and goods.

The discussions underscored the crucial role eco-friendly plastics play in helping the sports sector reduce its reliance on single-use materials, all while maintaining high-performance standards.

Visitors had the chance to interact with industry leaders, learnt about groundbreaking technologies, and discussed the future of eco-conscious sports gear. Additionally, they explored the Interactive Display Zone and the Green Product Display Zone. The day showcased how innovation and sustainability can work together to create a greener future for the sports industry.

Looking ahead to Day 2, with the theme "Technology Redefines the Limits of Sports Gear", the focus will shift to cutting-edge technological advancements revolutionizing sports equipment and enhancing performance.



Product display at the SportsTech Chic + Green.

800+ professionals join CHINAPLAS x CPRJ Plastics Recycling and Circular Economy Conference

The 6th Edition of the CHINAPLAS x CPRJ Plastics Recycling and Circular Economy Conference and Showcase was held a day before the kickoff of CHINAPLAS 2025. By addressing critical topics across the industry chain, the conference has illuminated the path to sustainability.

The event attracted more than 800 professionals from leading companies in the chemical, materials, and processing equipment sectors, as well as renowned end-user brands and industry associations. A solution showcase featured a diverse array of advanced technologies for plastics recycling and green materials was also staged.

The morning's main forum highlighted the latest global trends, environmental protection policies, and innovations from leading brands, all within the context of global plastics recycling and the circular economy.

In the afternoon, three parallel sub-forums explored the themes of Cross-Boundary Collaboration and Technological Innovation, Design Aesthetics and Green Supply Chain, and Sustainability and Fashion Trends.

Discussions addressed topics such as digitalization in plastics recycling,

green design, and shifts in the textile and fashion industries.

At the conference, industry experts from leading organizations both domestically and internationally, including brand owners and suppliers of materials and machinery, presented thematic reports.

Additionally, multiple roundtable discussions titled "Talk of the Industry Salon" were held throughout the event.



The 6th Edition CHINAPLAS x CPRJ Plastics Recycling and Circular Economy Conference and Showcase brought together industry stakeholders to advance the low-carbon and circular economy.

innoGreen Hub: Smart injection molding meets green manufacturing

At the CHINAPLAS fairgrounds, innoGreen Hub emphasizes “Green + Smart Manufacturing”, showcasing advanced and high-quality production technologies in application sectors such as automotive, electronics, medical, and packaging.

Injection molding solutions demo

innoGreen Hub presents globally leading injection molding technologies, demonstrating how intelligent solutions can enhance production efficiency and achieve green, efficient manufacturing. Notably, the UN160A6 next-gen advanced and intelligent injection molding machine from Yizumi attracts significant attention.

The integration of this 6th-generation high-end intelligent injection molding system with specialized vape device molds revolutionizes plastics manufacturing through smart and precision-driven,

eco-efficient technologies. The synergy delivers comprehensive enhancements in production quality while achieving energy conservation and cost optimization.

This model is equipped with PC-specific plasticizing unit that eliminates defects such as black spots, sunburst marks, and discoloration, and features universal material compatibility. It enhances excellent dimensional stability and achieves over 99% first-pass yield rate. On the intelligent process control, it integrates IoT-enabled platform with MES system for real-time production monitoring and adaptive parameter optimization.

Furthermore, innoGreen Hub showcases the application demonstration of the Sumitomo (SHI) Demag's 48-cavity tethered cap production cell, which integrates high-speed automated finishing and inspection technology and boasts a

cycle time of only 2.7s.

The solution highlights the advantages of hybrid drive concept with entrained servo drive, powerful electric dosing, and high-speed injection with accumulator. Simultaneous mold opening, core in and out, ejecting and retracting, and dosing can be completed within 1 second. The robust and reliable mechanical design ensures reliable performance and precision for years with minimal maintenance costs. Additionally, the innovative design of caps allows for recycling, highlighting the environmental benefits.

Innovative product showcase

In the innoProduct Showcase area of innoGreen Hub, visitors can explore a wide variety of selected innovative end products which demonstrate how precision injection molding empowers innovative design and creates high-performance and high-value

applications.

At the innoGreen Forum, over 20 industry experts share the trends and innovations of material development, injection molding technologies and their latest applications, inspiring the plastics industry to move toward a greener and smarter future.



Demonstration of producing vape pen bottom shell by the Yizumi UN160A6 smart injection molding machine.

Low-carbon solutions take center stage at Tech Talk held yesterday

During the first three days of CHINAPLAS 2025, Tech Talk would deliver more than 40 innovative technologies covering six major themes. English-Chinese Simultaneous Interpretation (SI) service is provided.

Yesterday, the event focused on green low-carbon solutions, with many renowned suppliers introducing their latest sustainable technologies and products to the audience.

Among them, AVIENT presented the group's non-PFAS flame retardant PC and self-PFAS-free flame-retardant polycarbonate and self-lubricating material solutions, while BASF introduced the company's LOOP solution for polyurethane. SABIC also shared insights on how its advanced materials solutions pushes the development of the renewable energy sector.

Additionally, Ecombine Advanced Material provided a detailed presentation

on its Ecombio series composites, which are bio-based nano-fibers reinforcing polymers based on liquid phase mixing technology. Meanwhile, Precise New Material talked about how the company's ultra-high concentration pre-dispersed pigments can contribute to sustainable development.

Green materials play an important role in achieving dual carbon goals in the plastics industry, and the expert from Beijing Tiangang Auxiliary shared the

application potential of light stabilization and nano-enhancement technology.

Tech Talk will continue to present many new cutting-edge technologies today, with themes including Efficient Packaging Solutions, 3D Printing, and Automotive Lightweighting Solutions.

Don't miss this opportunity to learn more about the latest solutions from leading suppliers at the Tech Talk official technologies release platform!

Visitor Feedback

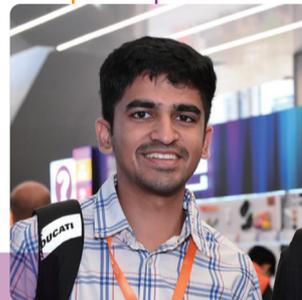
“ I believe China will break into Turkey's market in the future. ”



I come from Turkey. This is my first time in China for CHINAPLAS, and I'm here to discover the latest products and expand my business connections. The plastic raw material market is highly competitive. Currently, there are not many Chinese products in our market in Turkey, but I believe China will break into it in the future.

Turkey *Ömer Buğra KIRGIZ, Kurucu of POLYMERIO*

“ I am impressed by the scale and product variety of CHINAPLAS! ”



My company is engaged in the manufacturing of geogrids and mainly focuses on flexible packaging films. I came here to explore new products for business diversification. I have already found film products that are suitable for my requirements. I believe the flexible packaging film industry has broad market prospects as it is constantly growing with new products emerging.

India *CA Kenil Patel, CTM Geosynthetics India LLP*

“ I have already discovered exhibits that caught my eye. ”



My company specializes in automated production. The main purpose of my visit is to explore new products related to molds, aiming to expand our foreign trade export business. During the first day of the trade fair, I have already discovered exhibits that caught my eye. This exhibition is very rewarding.

China *Chris Li, Foreign Trade Manager, Hynix Hardware & Electrical (Kunshan) Co., Ltd.*

“ I plan to check out the InnoGreen Hub, which focuses on green manufacturing. ”



I come from a company deeply involved in the plastics industry. We purchase a wide range of polymers like polypropylene, along with plasticizers, additives, and masterbatch. I'm quite optimistic about the prospects of the plastic industry, it's full of potential. I plan to check out the InnoGreen Hub, which focuses on green manufacturing.

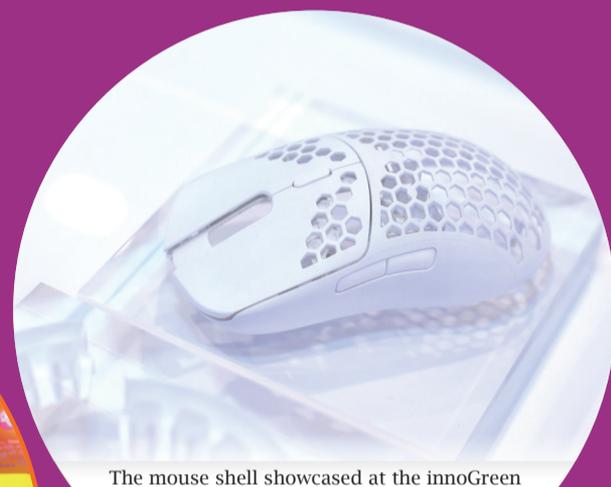
Egypt *Rania Hassan, General Manager of CHEMAPLAST*

A lively first day of CHINAPLAS 2025



One of the production lines at "The Plastics Circularity Journey" Live Demo highlights the themes of "Circularity: Food-grade PET Recycling", showcasing the entire process including sorting, granulation, pelletizing, SSP, and blow molding.
Booth: 6J41

Eye-catching Exhibits



The mouse shell showcased at the innoGreen Hub is a prime example of how precision injection molding empowers innovative design. **Booth: 12F31**

Captioned Moments



At "New Media Promotion Zone", visitors were enthusiastically engaged with CHINAPLAS social media to stay updated. Come and connect!
Venue: South Lobby East; North Lobby East



The giant display of Product Innovation Gallery attracts visitor to closely explore the plastics technologies behind the products showcased.
Venue: Outside Halls 5, 11 and 17 along the Central Corridor (Level 1)



"AI: Shining Your Dream" thrilled visitors with an engaging AI photography experience. Join in the following days! **Venue: Between Halls 5, 6 and Halls 11, 12 along Central Corridor, Level 1**



Overseas buyers and representatives from international associations across various countries and regions gathered at the cocktail reception.



Ambassadors joined the Meet & Greet event for fun photo check-ins and ideas exchange, injecting excitement to the atmosphere!
Venue: Between Halls 13 and 14 along Central Corridor, Level 1



Bioplastics are gaining increasing popularity, and NatureWorks showcases a series of innovative products made from Ingeo PLA resins. **Booth: 20C21**



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Discover the future of injection molding

Modern injection molding machines are transforming production processes with cutting-edge automation and advanced control systems. These innovations enhance productivity, elevate product quality, and significantly reduce energy consumption. Manufacturers are constantly upgrading their machines to meet the rigorous demands of diverse applications, ensuring precision and efficiency.

Don't miss the opportunity to witness live demonstrations showcasing the latest advancements from leading manufacturers. Explore how these machines can drive your business forward.

BOY showcases two compact injection molding machines



10C29

BOY 22 A PRO injection molding machine

The BOY 22 A PRO, with a footprint of just 1.85 m², offers a clamping force of 220 kN and supports various screw diameters ranging from 12 to 32 mm, making it suitable for a diverse range of applications.

Beyond thermoplastics, the machine can also process elastomers, silicones, and thermosetting plastics, highlighting its adaptability. Since its introduction in 1968, BOY has manufactured and sold over 25,000 units of this machine worldwide.

BOY XS E injection molding machine

Meanwhile, the BOY XS E, a highly compact injection molding machine with a footprint of only 0.87 m², provides a maximum clamping force of 100 kN.

Designed for micro and sprueless injection molding of small parts, the BOY XS E features a three-zone screw based on the "first in, first out" principle, ensuring smooth processing of various materials.

BOY's presence at CHINAPLAS 2025 underscores its commitment to delivering customized solutions for customers around the world.



BOY XS E injection molding machine.

Sonly's Supersonic series injection molding machines speak volumes



12C41

Sonly has been dedicated to the development and production of high-performance injection molding machines, with its F9-Supersonic series and all-electric injection molding machines meeting the market's demand for efficient, flexible, and eco-friendly equipment.

Multi-functional: F9-Supersonic series

The F9-Supersonic series is designed with a "one machine with multi-function, comprehensive usages" concept, featuring a novel appearance, compact structure, and excellent performance. It helps manufacturers reduce costs and enhance competitiveness.



F9-Supersonic series injection molding machines are multi-functional and versatile.

The core advantages include a super-rigid template structure, wide template design, and non-welded main oil pipe design, significantly improving production efficiency while reducing mold wear and equipment costs.

The machines are suitable for application sectors such as packaging, logistics, urban construction, electronics, home appliances, automotive parts, and daily necessities.

Clean and precise: All-electric series

The all-electric injection molding machines from Sonly adopt stainless steel baffles and a high-rigidity template structure, ensuring a clean and aesthetically pleasing design that is easy to maintain, preventing secondary pollution of products.

Their all-electric drive design eliminates the risk of oil leakage, and the lubrication-free tie rods ensure a clean mold area, making it ideal for producing medical plastic products.

Equipped with high-quality precision molds, the machines achieve precision injection molding and guarantee stable product quality.

Arburg presents customized injection molding solutions



12F41

Arburg presents its innovative injection molding technologies for the Asian market at its booth. The exhibits include two Allrounder E Golden Electric Evo machines, a turnkey system centered around an Allrounder rotary table machine, as well as special exhibition areas for arburgSOLUTIONworld.

Machines from Allrounder E Golden Electric Evo series

There are two exhibits from the Allrounder E Golden Electric Evo series, demonstrating the high performance and precision of the series. Compared to standard hydraulic machines, dry cycle times are reduced by up to two seconds and the energy requirement can be reduced by up to 50%.

An Allrounder 470 E Golden Electric Evo, with a clamping force of 1,000 kN, uses a 160-cavity cold runner mold from Fangyi to produce sealing elements weighing 0.06 grams each from liquid silicone (LSR) from Wacker, which is burr-free and with an injection precision of 0.01 mm. These LSR injection-molded parts are used to protect the individual wires in automotive connectors against the penetration of liquid media.

Another exhibit, an Allrounder 570 E Golden Electric Evo with a clamping force of 2,000 kN demonstrates manufacturing refillable syringe barrels from the glass substitute material cyclic olefin polymer (COP). The exhibit is equipped with an 8-cavity mold from Unistar. A Flexlift 10 linear robotic system gently removes the molded parts from the mold and places them on a conveyor belt.

Flexlift, exclusively produced in and for Asia, is available in six versions—with loads of 5, 10 or 15 kilograms and with the option of one or two vertical axes. This modular linear robotic system can be customized precisely to the respective requirements, e.g. with application-specific drives, valve sets and variable control



The 470E Golden Electric Evo Flexlift machine.

cabinet positioning.

Turnkey system for the automotive industry

A sophisticated turnkey system for the automotive industry is staged at Arburg's booth. The centerpiece is an Allrounder 1600 T rotary table machine with a clamping force of 2,000 kN, which sequentially overmolds metal inserts into high-voltage modules for automotive connectors.

A small six-axis robot feeds the inserts into the system via a transfer platform and also stacks the finished molded parts. A second, large six-axis robot places the metal inserts in one half of Concraft's injection mold.

After overmolding with glass fiber-reinforced PBT, it transfers the pre-molded parts to the second half of the mold, where the finished module is produced by overmolding again.

Dedicated area for arburgSOLUTIONworld

The arburgSOLUTIONworld exhibition area brings together consulting expertise on injection molding, automation and digitalization. The Arburg experts also answer individual questions and present, for example, the Arburg host computer system ALS, the arburgXworld customer portal and the range of spare parts and calibration services.



Arburg showcases a turnkey system for manufacturing automotive connectors.

“Two New” policy and overseas expansion drive Chinese injection molding machinery sector forward

Despite intense competition in the market, the injection molding machinery sector is projected to see new growth in 2025, fueled by policy incentives and expansion into international markets, which will present increased profit opportunities.

Sales of automobile and home appliance rise

In March 2024, China's State Council rolled out the “Action Plan to Promote Large-scale Equipment Renewals and Trade-ins of Consumer Goods” (“Two New” policy). This initiative aims for a 25% increase in equipment investments by 2027 across multiple industries, including manufacturing, agriculture, construction, transportation, education, cultural tourism, and healthcare, compared to 2023 levels.

Thanks to the “Two New” policy, sales of automobiles and home appliances have seen a notable increase. In December 2024, the Central Economic Work Conference reiterated its commitment to this policy, which will facilitate the replacement of aging vehicles and encourage the consumption of new energy vehicles, further driving car sales. Likewise, the home appliance industry will benefit from optimized policies, attracting more companies to engage in national subsidy programs.

Demand for injection molding machines increases

As sales of automobiles and home



Tederic two-platen injection molding machine facilitates the production of rear spoiler for BYD's Yangwang U7 luxury sedan. (Source: Tederic)

appliances continue to rise, many companies are expanding their factories to shorten delivery times and capture larger market shares. Consequently, the demand for injection molding machines, a crucial piece of equipment in component manufacturing, has increased significantly.

In the automotive industry, Qiao Luming Technology has invested RMB 1 billion in Xi'an to establish molding, painting, injection molding, and assembly lines, primarily supporting companies like Geely and BYD. Guizhou Huagong Tool Injection Plastic has allocated RMB 300 million to upgrade its injection molding lines, focusing on automotive components such as dashboards and bumpers. Moreover, Beijing Beiqi Mould & Plastic Technology's new project in Zhuzhou aims to produce 300,000 bumpers annually and includes plans for a high-precision, intelligent injection molding line.

In the home appliance industry, TCL has begun construction on an air conditioner plant in Nansha, investing RMB 1.5 billion with an annual production capacity of 8 million units. Meanwhile, Haier is investing RMB 2.5 billion in Qingdao to develop a new facility that will have a yearly output of 5 million air conditioners.

Chinese manufacturers expand overseas markets

While domestic market demand for injection molding machines remains strong, intense competition, customer cost-cutting pressures, and issues like delayed payments may impact profitability in local sales. In contrast, overseas markets present higher profit margins.

Consequently, many Chinese injection molding machine manufacturers are strengthening their presence in Southeast Asia, Mexico, and Europe, targeting the high-end market to seize more opportunities and boost profits.

For instance, Haitian International has opened application centers in Vietnam and Indonesia; Chen Hsong has established a service center in Hanoi, Vietnam, featuring machines and parts warehouses, a mold trial center, and a training facility; Powerjet has launched a showroom in Vietnam and expanded its machine inventory; Yizumi has opened subsidiaries in Thailand and Mexico, while Borch has set up an office in Thailand.

Currently, the main drivers for companies to expand overseas are lower

labor costs and tax incentives. Average wages in Vietnam, Thailand, and Mexico are lower than those in China, which help to further reduce production costs for businesses operating in these countries. To attract foreign investment, Vietnam offers a two-year tax exemption for foreign companies establishing new production facilities, followed by a 50% tax reduction for the subsequent two years. Likewise, Thailand provides tax incentives for certain industries.

In 2025, several automotive and home appliance manufacturers are anticipated to launch overseas production facilities, which will further boost demand for injection molding machines.

BYD's factories in Brazil and Hungary are scheduled to begin production this year, with additional facilities planned in Indonesia and Turkey. Chery's factories in Vietnam and Thailand are also expected to be completed and start operations.

Meanwhile, Midea's production base in Thailand is projected to achieve an output of 4 million units, becoming one of the largest air conditioner manufacturing hubs in Southeast Asia.

To address competition from European and other multinational injection molding machine manufacturers, Chinese brands must concentrate on solidifying their presence in existing markets while also penetrating the high-end market. By enhancing product positioning and increasing technological value, they can create a stronger competitive advantage.

Rising India: Harnessing supply chain diversification

In the past decade, India is rising among the Asian countries with the world's largest population and fifth-largest nominal GDP in 2024, despite economic uncertainties and geopolitical tensions around the world.

Looking ahead, India's outlook for 2025 remains optimistic, driven by strong economic growth, a young and expanding population, and increasing urbanization. “The country's GDP growth is projected to outpace many large economies, supported by rising domestic consumption and a thriving middle class,” says Vikram Bhaduria, Chairman of the Plastics Export Promotion Council (PLEXCONCIL) in India.

Government-driven initiatives like “Atmanirbhar Bharat (Self-reliant India)” and “Make in India” also contribute to India's accelerating economic development, the former for boosting local manufacturing, supply, and demand while the latter for attract foreign investment. Additionally, infrastructure investments from the Indian government also attract foreign investment and drive long-term economic growth across various sectors.

Friendly competition with China

As a member of BRICS from the very beginning, India and China has maintained a friendly competitive relationship. After the pandemic, global economy has realized the risks of over-dependence on supply from single source. China, as the main supplier in global manufacturing, also faced disruptions during the

pandemic, exposing vulnerabilities in the world's supply chain. This results in more adoption of “China Plus One” strategy, of which companies seek alternative manufacturing hub to diversify supply chains and reduce risks.

India, with its growing manufacturing sector, skilled labor, and improved infrastructure, has been benefited from this operational shift. Bhaduria also states that other emerging manufacturing hubs from Southeast Asia, such as Vietnam and Indonesia, have also attracted business from this new business strategy. Meanwhile, China, recognizing this business shift, is aggressively expanding its overseas markets and enhancing its global presence to maintain its economic dominance.

U.S. remains largest trading partner

The U.S. is the largest trading partner for India as of 2024. The country welcomes its new and return President this year. The U.S. government is reported to focus on strengthening ties with India, further enhancing trade relations, especially in technology and clean energy.

“India is already one of the U.S.'s largest trading partners, and policies that reduce trade barriers, simplify visa processes, or encourage investment would benefit India's economy,” says Bhaduria. He adds that closer cooperation in technology, AI, cybersecurity, and space exploration could also boost India's tech sector.

Top 10 Technology Trends in Plastics and Rubber in 2025 awards announced

The “Top 10 Technology Trends in Plastics and Rubber in 2025” campaign,



Top 10 Technology Trends in Plastics and Rubber in 2025 has recently announced the award winners.

organized by Adsale Plastics Network, has recently revealed its award winners.

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 16,703 valid 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.

Launched in January this year, the campaign received widespread industry response, with 118 innovative technologies submitted from 92 companies, covering various fields in plastics and rubber.

Award-winning companies include global chemical giants such as Dow, ExxonMobil, LG Chem, and Wanhua Chemical, as well as internationally renowned machinery firms like KraussMaffei, Demag, Wittmann, W&H, Bruckner, Miyakoshi, TOMRA, Starlinger, and Sikora. Leading Chinese companies like Kingfa Sci.&Tech., Dawn Group, JCTIMES, and Yuzhen Technology also received recognition.

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

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