

What's Inside P.1 Show News P.4 Event Highlights
P.6 Snapshots P.8 Market Report

Visitor Count Day 1 **107,792** Local **83,743**
Overseas **24,049(22.31%)**

Dive into China's Little Giants A gateway to innovation and quality

CHINAPLAS 2026 saw a record-breaking 107,792 visitors on its opening day, marking a new milestone for the exhibition!

The prominence of China's "Little Giants" in the manufacturing sector has captured the attention of international buyers. The accolade of being a Little Giant enterprise not only signifies trustworthiness but also highlights a commitment to technological expertise and innovative strength.

Notably, CHINAPLAS 2026 features over 1,000 "Specialized and Niche" Chinese exhibitors, comprising around 22% of the total exhibitors, with 20% classified as top-tier Little Giants. This impressive representation underscores the growing influence of these companies in the global market.

Visitors should make sure to stop by the booths of these Little Giant enterprises. These enterprises often offer more flexible solutions, better value for money, and more dedicated technical support, revealing new possibilities for industrial upgrading and business collaboration. Don't miss the Little Giant booths!



Visitors poured into the fairgrounds on the opening day of CHINAPLAS 2026.

A spotlight on Specialized and Niche exhibitors

Specialized and Niche companies are officially recognized by the Chinese government for their exceptional capabilities within specific markets. These companies excel in pioneering cutting-edge technologies, delivering high-tech

products, and achieving exceptional cost-performance ratios.

Such recognition positions these businesses as leaders in their fields, further classified into two tiers: National-level Little Giants and Provincial/Municipal-level Specialized and Niche enterprises. This classification reflects their varying degrees of influence and capability.

Standing out with solutions tackling pain points

Little Giants are not just another name in the marketplace—they embody an elite category of companies that showcase the Chinese government's efforts to promote expertise in niche products and technologies. This intense specialization enables them to expertly cater to specific market demands, effectively differentiating them from larger competitors.

Technological innovation is a hallmark of these companies. With significant investments in research and development, Little Giants create proprietary technologies and solutions that tackle pressing challenges across various industries. Their contributions are vital to fulfilling both national and global supply chains, addressing strategic needs in key sectors.

Within the landscape of Little Giants, a more exclusive category known as "Key Little Giants" has emerged. These companies are meticulously selected from national-level Little Giants and are recognized for their crucial contribution.

(Continues on P.2)

LKIMM



Innovation in Motion, Power in Molding

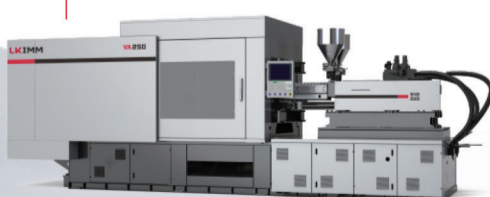
Two-Platen Injection Molding Machine



Three-Platen Toggle Injection Molding Machine



Multi-Component Injection Molding Machine



All-Electric Injection Molding Machine



Booth No.

4.1 D32

Email: sales@lk.world

Tel.: +852 3412 5588



Automotive Parts Industry



Daily Necessities



Packaging Industry



Medical Industry

(Continued from P.1)

Little Giants in chemicals and materials

Recognized as a National-Level Little Giant, **Guangdong Cardlo Biotechnology (Booth: 8.2F26)**, is a high-tech oil and chemical company with an annual capacity of 50,000 tons. It specializes in molecular Distilled Glycerin Monostearate (GMS99/DMG95) with over 99% purity and various plastic additives.

At the exhibition, Cardlo highlights its standout product, pentaerythritol stearate (PETS), a white wax with a high melting point that is soluble in ethanol and benzene. Serving as both a lubricant and release agent, it provides exceptional thermal stability and low volatility at high temperatures, along with excellent demolding and flow properties, making it ideal for new energy vehicle applications.

Another National-Level Little Giant from Guangdong province, **Guangdong Doneson New Materials (Booth: 6.2D105)**, specializes in producing and selling innovative materials such as organic silicon, polyurethane, and functional coatings. Its optical grade liquid silicone rubber (LSR) is highly transparent and boasts excellent mechanical properties, making it suitable for electronic components, automotive lighting, light-guiding devices, and other optical applications.

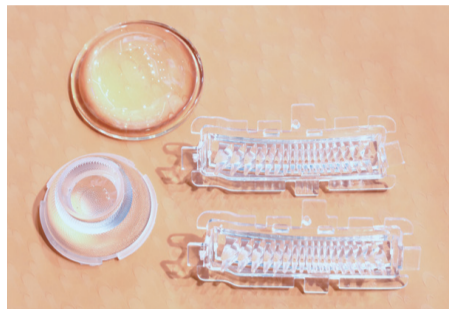
Additionally, the company offers a silicone adhesive for heat bending film, a high molecular weight polysiloxane adhesive that adheres well to PET substrates and maintains a stable peeling force. After hot pressing, the film exhibits high hardness, no powdering, no residual adhesive, and outstanding defoaming properties.

Shandong Xianglong New Materials (Booth: 7.2D96) focuses on three product areas: nylon polymerization, high-performance modified engineering plastics, and color masterbatch and co-extrusion materials. Its products comply with FDA, REACH, and RoHS standards, offering viable alternatives to materials from Europe and the US. Xianglong is a qualified supplier

for Foton, FAW-Volkswagen, and SAIC Volkswagen.

Among its notable offerings are transparent nylons, particularly semi-aromatic transparent nylon, which is a high-barrier material. Compared to conventional nylons, it features lower water absorption and minimal size changes upon moisture exposure.

Its mechanical performance is less affected by humidity, exhibiting high strength, a high thermal deformation temperature, and a low coefficient of linear expansion. Reinforced with glass fiber, its mechanical properties can be significantly enhanced.



Guangdong Doneson's optical grade LSR is highly transparent.

Little Giants in machinery and equipment

HWAYI Machinery (Booth: 1.1D85) is a Key Little Giant specializing in rubber injection machines, C-frame



The E series rubber injection machines from HWAYI offer high injection precision and impressive energy efficiency.

rubber injection machines, rubber track compression molding machines, and a variety of rubber molding machines with automation or customized solutions. The company has established long-term partnerships with renowned global rubber parts companies.

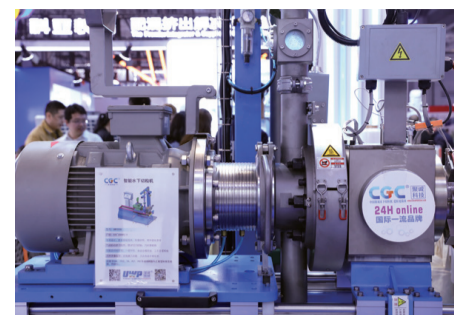
HWAYI offers advanced vertical rubber injection machines equipped with FIFO injection units, enhancing injection precision and accuracy while simplifying material cleaning. These machines feature B&R control system, which ensures high precision and stability. They utilize an advanced servo drive system that can reduce energy consumption by 30%-70%. Optional dual dosing units allow for two-color or dual-material injection. Additionally, the machines come with movable clamping cylinders, effectively lowering the overall working height.

CGC Technology (Booth: 6.1D40) is a national high-tech enterprise dedicated to producing underwater pelletizing systems. With expertise ranging from microparticles of 0.5 mm to large-scale outputs of 30 T/H, the company specializes in polymerization, modification, and recycling of post-consumer materials, drawing on extensive experience in the field.

The UWP underwater pelletizing system from CGC features a user-friendly design and flexible operation. It offers outstanding cost efficiency, with manufacturing costs for equivalent-capacity units being only half that of imported equipment.

The system provides a superior dehydration rate, resulting in low moisture content on particle surfaces. It incorporates Industry 4.0 automated pelletizing technology. Additionally, the system features an intelligent control system for efficient production management and maintenance.

Shenzhen SUNS Technology (Booth: 5.2D36) specializes in delivering high-end mechanical testing solutions for material analysis. The company has spearheaded national projects for the development of scientific instruments and is associated with several major initiatives, holding approximately 100 patents.



The UWP underwater pelletizing system from CGC excels in dehydration performance and includes an intelligent control system, offering outstanding cost efficiency.

The company's electromechanical universal testing machine (UTM) series is suitable for various tests on both metal and non-metal materials, including tensile, compression, bending, shear, peel, and tear tests, complying with international standards such as GB/T, ASTM, DIN, and JIS. The equipment features a high-rigidity frame structure and is driven by a servo motor. The transmission mechanism facilitates the vertical movement of the crossbeam, enabling efficient loading during testing.

A partnership for growth and success

To support these Little Giants, the Chinese government has established a robust pyramid cultivation system, ensuring these companies are well-equipped to compete on the global stage. Key components of this system include comprehensive screening processes, tailored training resources, and extensive state support encompassing financial aid and policy incentives designed to stimulate growth.

For international buyers, the convergence of government backing and the inherent strengths of Little Giants assures that these companies will serve not merely as suppliers but as reliable partners dedicated to driving growth, fostering innovation, and achieving long-term success in an ever-evolving global marketplace.

KRAIBURG TPE rolls out application-ready compounds

7.2D13

KRAIBURG TPE will introduce its new portfolio of TPE materials, featuring application-ready compounds for automotive, consumer, electronics, and medical sectors. Additionally, the company will highlight its recycled-content grades that enhance sustainability.

For automotive applications focused on interior design and durability, KRAIBURG TPE presents Automotive Light Effect TPEs



KRAIBURG TPE's booth.

designed for illuminated components. These materials allow controlled light transmission while maintaining soft-touch surfaces and mechanical stability.

The automotive TPE range also guarantees strong adhesion to PP, making it suitable for interior trim, grip areas, and various functional and decorative elements where surface integrity and durability are essential.

The company will introduce food-contact TPE grades that comply with relevant regulations and exhibit low migration behavior. Typical applications include kitchen tools, packaging components, and reusable containers. These fully colorable, robust compounds offer ergonomic design, enhancing comfort and safety.

In addition to food-contact TPEs, selected grades possess soft surface properties and outstanding resistance to substances like isododecane, sebum, and skin oils, making them ideal for cosmetic packaging, such as lip gloss and mascara.

KRAIBURG TPE's compounds also deliver mechanical strength, thermal

stability, and abrasion resistance, suitable for demanding applications like tool handles, machine components, functional surfaces, and consumer electronics.

Specialized grades, including anti-static and flame-retardant TPEs, are designed to protect both devices and operators in industrial and electronics applications. Their compatibility with overmolding and multi-material designs supports complex products, ensuring safe and comfortable handling during intensive use.

The Healthcare TPE series has been specifically developed for applications requiring consistent quality, flexibility, and biocompatibility. These compounds comply with Cytotoxicity ISO 10993-5 standards, ensuring safety and reliability along with ease of cleaning and excellent processing behavior. Typical uses include grips, seals, housings, and patient-contact components in medical devices and diagnostic equipment.

KRAIBURG TPE's innovations also advance sustainability. The GRS and ISCC PLUS-certified recycled-content TPEs offer a soft-touch feel, durability, and performance



KRAIBURG TPE's healthcare portfolio features safety and reliability.

while contributing to a circular economy in automotive, consumer, and industrial sectors.

At the booth, KRAIBURG TPE will feature a Sustainable TPE Solution portfolio that includes bio-based materials and compounds with post-consumer (PCR) and post-industrial (PIR) recycled content, with selected grades holding GRS and ISCC PLUS certification. Product Carbon Footprint data is also available for material evaluation.

Level Up!

Your Advantage



Hall 5.1C32



The Power of Plastics Forum kicks off to close the loop

Concurrent
Event Overview

The inaugural Power of Plastics Forum successfully launched yesterday at CHINAPLAS 2026. This three-day forum has positioned itself as a pivotal platform for industry professionals to explore the latest advancements in plastics recycling and sustainable practices.

The forum offers the audience a deep dive into innovative recycling technologies, smart processing of recyclates, and AI-driven solutions.

Advancements in drive and recycling technologies

Thorsten Kühmann, Managing Director of Plastics and Rubber Machinery at VDMA, opened the forum with a welcome address, setting the tone for a day centered on technological advancements in the plastics recycling sector.

The morning session spotlighted innovations in European recycling technologies that drive closing the loop of plastics. Marcel Moeller, Head of Industry Management at BAUMÜLLER GROUP, presented on high-torque drive systems, emphasizing their critical role in responding to the increasingly stringent demands for energy efficiency in recycling operations.

Ing. Christoph Woess, Director of Global Sales at EREMA ENG. GES.M.B.H., followed

with a discussion on the dynamic PET recycling landscape in China. His presentation "Winning with PET in China: Flexible Recycling, Real References, Rapid ROI" focused on the ongoing evolution of flexible recycling solutions in response to the region's regulatory challenges and market demands.

Achieving a circular economy requires both mechanical and chemical recycling. Leveraging over three decades of expertise, KraussMaffei empowers the plastics industry to reach new heights in resource efficiency. Ollie Deng, Technical Sales Manager of the Extrusion Division at KraussMaffei China, elaborated on how their recycling processes are deployed to optimize energy performance and minimize waste.

Louis Hoi, Managing Director for Asia Pacific at MAAG ETTLINGER, addressed the challenges of recycling highly contaminated polymers. He introduced the Maag Ehtlinger ERF continuous self-cleaning melt filtration technology.

Next, Lukas Vogel, Head of Process Engineering, KraussMaffei Extrusion GmbH, examined the extrusion solutions for chemical recycling, including depolymerization of PA6, glycolysis of PET, and pyrolysis of mixed post-consumer polyolefins.

The session concluded with Kelly Xie, Head of TOMRA Sorting Recycling China, who shared how intelligent sorting technology overcomes technical bottlenecks to enable a high-quality, closed-loop plastic economy in China.

Enhancements in recycle performance and quality

The afternoon session focused on applying recycled materials in production. Chuck Li from Desource Engineering (representing GEISS AG) explored processing recycled thermoplastics in heavy gauge thermoforming. He noted that while recycled content typically reaches 30-40%—and occasionally up to 100%—it introduces unpredictable material behavior and can damage machine components like sensors and surfaces.

Amigo An, Application Manager & Account Technologist at PLASMATREAT, introduced the Openair-Plasma® atmospheric plasma technology, designed to enhance adhesion in high-performance plastics.

Bowei Fu, Sales Director Film China at Reifenhäuser Plastic Machinery (Suzhou) Co., Ltd., delved into two pivotal trends in blown film extrusion: the use of stretched PE mono-materials to replace BOPET, and

the reuse and recycling of plastic materials especially PCR materials.

Dr. Johannes Kilian, VP of Process and Application Technology at ENGEL AUSTRIA, showcased the iQ weight control technology. He detailed how this AI-driven system maintains consistent part weight—even during cavity failure—and enables up to 50% less scrap and 75% faster restarts.

The audience left Day 1 with actionable insights and a renewed determination to implement more efficient and environmentally responsible practices in their organizations.

The Power of Plastics Forum continues today, pivoting to how digitalization and AI are revolutionizing the plastics value chain.



The brand-new Power of Plastics Forum was packed yesterday.

Medical Plastics Conference hails local innovations and global standards

Yesterday, the Medical Plastics Conference concluded as a critical sharing platform for medical device, consumable, and pharmaceutical packaging manufacturers to decode emerging trends and bridge supply chain gaps through high-tech domestic materials and frontier global technologies.

Wanhua Chemical Group opened the technical sessions by highlighting its breakthroughs in medical radiation-resistant PVC. Emphasizing the localization of high-end medical materials, Wanhua shared full-process solutions for the industrialization of hemodialysis systems. Beyond material supply, the company is actively driving the construction of new industry standards to ensure long-term quality consistency in the

domestic market.

Dow presented its Medical Total Solution, focusing on high-performance elastomers, medical-grade polyethylene, and specialty adhesives. Their presentation underscored how global technical service networks and stringent quality systems help manufacturers accelerate the implementation of medical innovations while maintaining strict regulatory compliance for disposable consumables and pharmaceutical packaging.

In the realm of aesthetics and safety, Americhem introduced ColorRx®, a line of masterbatches and compounds produced in ISO 13485 and cGMP-compliant facilities. Dr. Kumar Parimal explained that these formulations are locked and tested to ISO

10993 standards, ensuring biocompatibility across global production lines. This consistency allows OEMs to reduce regulatory surprises and speed up the approval process for color-coded medical devices.

Covestro shared the case study of Maestro, a demonstrative device utilizing Makrolon® Dx polycarbonate. The material offers superior optical clarity for molecular diagnostics and enhanced chemical resistance to withstand aggressive hospital disinfectants. The device also integrates electronic touch-screen functionality and next-generation flame-retardant protection to meet tightening safety requirements.

The conference also featured academic and process-driven insights.

Professor Li Qian from the National International Joint Research Center for Micro-Nano Molding Technology at Zhengzhou University discussed application trends of polymer materials in interventional medicine.

Meanwhile, Jumin Bio-Technologies (Double-Dove Group) provided a deep dive into the R&D process of medical devices, identifying key control points necessary to maintain quality from laboratory to mass production.

By leveraging these expert insights, the audience is better equipped to navigate the complex terrain of the modern healthcare industry and implement world-class material science in their upcoming product cycles.

800 professionals engage in CHINAPLAS x CPRJ Plastics Recycling Conference



The CHINAPLAS x CPRJ Plastics Recycling and Circular Economy Conference drew a full house.

A day prior to the start of CHINAPLAS 2026, the 7th Edition of the CHINAPLAS x CPRJ Plastics Recycling and Circular Economy Conference and Showcase took place. The conference underscored vital industry topics, revealing opportunities for achieving sustainability.

Bringing together a global audience, the event featured esteemed speakers from various sectors, including government, business, and industry associations across the EU, the US, the UK, Turkey, Brazil, Vietnam, India, Indonesia, and China.

About 800 professionals from top

companies in the chemical, materials, and processing equipment sectors, along with notable end-user brands, attended the event. Featured in the solutions showcase was a wide range of advanced technologies focused on plastics recycling and sustainable materials.

The event explored global trends in plastics recycling and the circular economy through various activities including breakfast meetings, panel discussions, keynote speeches, brand showcases, and supply chain solution presentations.

The key areas of focus encompassed

policy developments, technological innovations, and market insights. Discussions included overseas investment, sustainable practices by end-user brands, green supply chain management, innovative uses of climate-friendly materials, and progress in recycling technologies.

This conference served as both a leading industry event and an excellent opportunity for professionals and companies to gain insights into global trends in the circular economy while uncovering new pathways for sustainable plastic practices.

Yinjinda steering new directions for green packaging upgrade



4.2G35

Henan Yinjinda New Materials Co., Ltd. presents three core products at CHINAPLAS 2026: floatable heat-shrink film, crystallizable heat-shrink film, and rPET heat-shrink film.

These three heat-shrink film products feature clear positioning and distinct advantages, and are widely applicable to packaging and labeling applications in beverage, daily chemical, food and other industries. They embody the core achievements of Yinjinda's commitment to technological innovation.

The floatable heat-shrink film,

developed specifically for the European market, has a density of less than 1 g/cm³, combining low shrinkage force with high shrinkage rate. It serves as an ideal replacement for traditional materials such as PVC and PETG, enabling easy separation during bottle recycling.

The product has received dual certification from the European PET Bottle Platform (EPBP) and the Association of Plastic Recyclers (APR), fully complying with the EU's policy requirements to completely replace PETG heat-shrink films by 2030.

The crystallizable heat-shrink film targets the Americas market. With its specific crystallinity, it enables simultaneous

“ Policy and regulations, end-user demand, technological innovation, green transformation, and intelligent manufacturing, together, they are driving the industry to shift. ”

recycling of labels and PET bottles— solving the industry challenge of PETG labels clumping together and causing downcycling of PET flakes.

The rPET heat-shrink film targets the domestic market. It uses more than 30% rPET chips to replace raw materials. Its core chips are independently produced by Yinjinda relying on its unique deep chemical recycling technology.

end-user demand, technological innovation, green transformation, and intelligent manufacturing have become the core drivers of the plastics and rubber industries. Together, they are driving the industry to shift from scale expansion to a new growth model characterized by high quality, high added value, and sustainability.”

At present, global trends in plastic packaging technology show distinct regional characteristics: China focuses on cost reduction, efficiency improvement, and material recycling. Japan prioritizes bio-based and easily separable shrink films. Europe promotes floatable shrink films. The Americas focus on crystallizable shrink films.

Five key dimensions driving high-quality industry transformation

The plastics and rubber industries is at a critical juncture, shifting from scale expansion to structural upgrading. Yinjinda maintains a cautiously optimistic outlook for the 2026 market.

According to Zhang Qigang, Deputy General Manager and Technical Director of the company, despite challenges such as rising raw material costs and global trade volatility, the company firmly believes that breaking free from price competition requires high-performance products to strengthen its core competitiveness.

He explained: “Policy and regulations,

Scaling capacity to meet demand

Looking ahead to the next two to three years, Zhang outlined Yinjinda's clear dual-track strategy for market development.

On one hand, the company will expand PETG production capacity through new manufacturing lines, strengthening its ability to supply high-end heat-shrink film raw materials at scale.



Zhang Qigang, Deputy General Manager and Technical Director, Henan Yinjinda New Materials Co., Ltd.

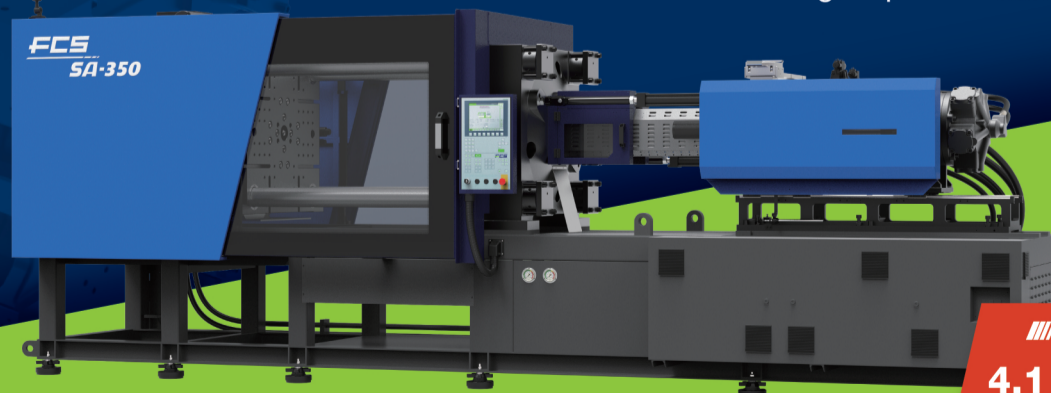
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Booth

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A vibrant kick-off to CHINAPLAS 2026 Day 1

Captioned Moments

Visitors exchanging ideas and snapping photos at the lively Ambassador Meet & Greet event.

NECC PLAZA-near Hall 2.1 (1/F)



Dive deep into innovative designs at the Product Innovation Gallery signature walls, located at five hall entrances.

Hall: 4.1, 8.1, 1.2, 6.2, 7.2



New event InnoAccelerate bridges industry and academia to fast-track tech commercialization. The dedicated university innovation exhibition draws significant attention.

Booth: 4.2H92

Eye-catching Exhibits



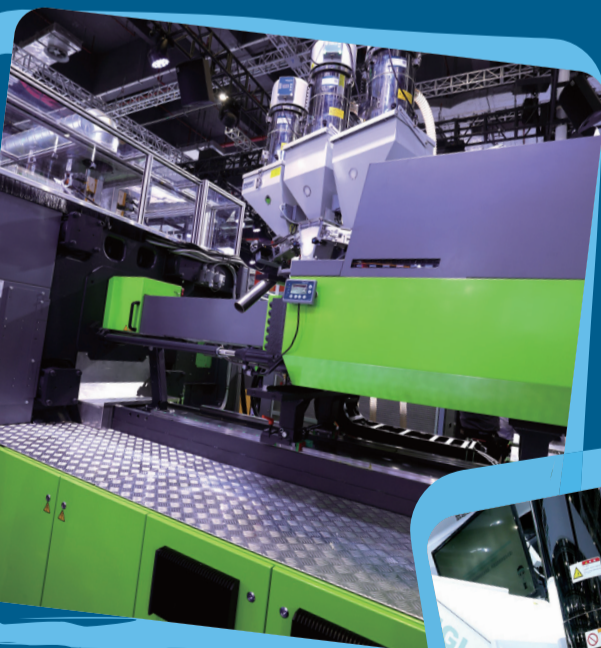
Stay updated! Connect with CHINAPLAS social media at the New Media Promotion Zone.

Central Square - near Hall 4.1, 8.1 (Mezzanine); near Hall 5.1 (1/F)



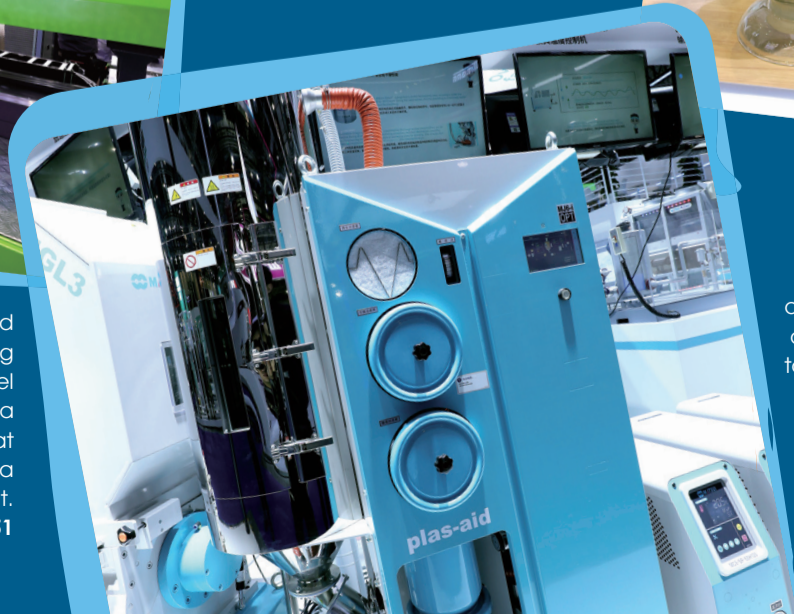
ENGEL presents various production solutions in live operation. Special versions of flip-top closures are manufactured in a 48-cavity mold on an e-mac 380 injection molding machine.

Booth: 5.1C41



MATSUI debuts its newly designed optical-grade dehumidifying dryer suitable for micron-level quality control. It features a zeolite honeycomb rotor that produces dehumidified air with a low dew point.

Booth: 4.1D51



Engineered for superior grip, durability, and abrasion resistance, Elastollan® GripTec is a next generation TPU outsole innovation from BASF. It offers options from transparent to black and enabling intricate outsole designs.

Booth: 7.2C41



HRC makes its debut at CHINAPLAS 2026, focusing on "Green recyclable composite material ecosystem". The company showcases its technological achievements and application layout in recycled carbon fiber.

Booth: 1.2F26



“ Chinese machinery engineering is now very close to European standards. ”



Latvia

It's my first time to CHINAPLAS. I'm particularly interested in extrusion lines, extrusion blow molding lines, and extrusion film lines. Our company produce plastic packaging. Previously, we only sourced from EU producers. Now we are looking for Chinese producers, as we have observed a steady improvement in the quality of Chinese machinery engineering. Compared to two decades ago, it is now very close to European standards.

IGOR USILONOK, CEO/Member of the board, GAMMAPLAST Ltd

“ Compared to European plastic exhibitions, CHINAPLAS is much bigger with far more exhibitors. ”



Slovakia

This is my first time at CHINAPLAS. We are masterbatch producer, so we are interested in extruders and related equipment. We operate in Slovakia. It's quite far from China, but we already have some Chinese suppliers. We would like to know more about new companies here. Compared to European plastic exhibitions, CHINAPLAS is much bigger with far more exhibitors. That's why we've come here.

Zuzana Kutná, Supply Chain Manager, Unicol

“ In my opinion, plastic zippers are indispensable accessories for all kinds of plastic packaging products. ”



China

This is my first visit to CHINAPLAS. I am here to gain a deeper understanding of products and technologies in the packaging machinery sector, with a focus on extruders. Our company is mainly engaged in the production and sales of plastic zippers. In my opinion, plastic zippers are indispensable accessories for all kinds of plastic packaging products, and the industry enjoys broad market prospects and great development potential.

Wang Haoran, Owner, Xiangtan Mingyu New Material Technology Co., Ltd.

“ I have attended CHINAPLAS many times. This time I want to learn more about technologies and equipment for film and plastic flexible packaging. ”



China

I have attended CHINAPLAS many times. This time I want to learn more about technologies and equipment for film and plastic flexible packaging, with a focus on temperature control systems. Our company supplies heating and cooling equipment for extruders. The market expectation is positive, but growing competition brings pressure. I hope to join Tech Talk and other forums.

Wan Shunlong, Marketing Department, Via Intelligence



LOXIOLO[®] VPA 1726

LOXIOLO[®] VPA 1726 from Emery Oleochemicals offers a superior alternative. This 100% bio-based, liquid antistatic agent eliminates chemical labeling requirements and outperforms competitors in food contact compliance

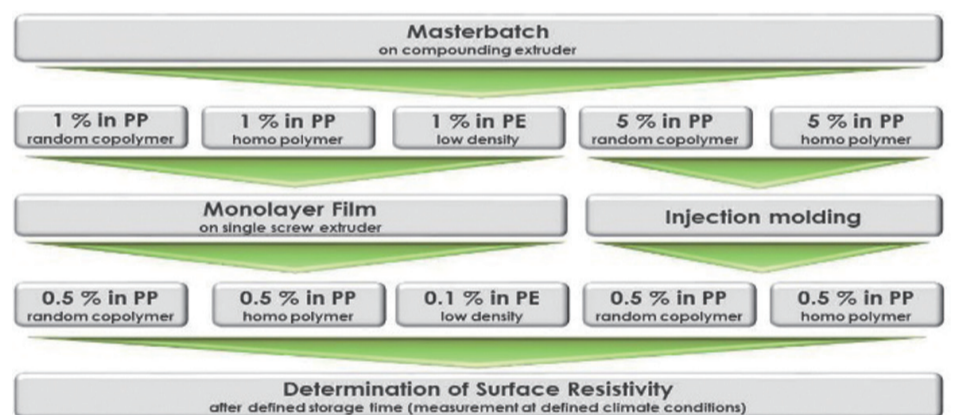
LOXIOLO[®] VPA 1726 delivers antistatic performance comparable to Ethoxylated Fatty Amine across PP films (random copolymer and homopolymer), LDPE films, and injection molded plaques. Surface resistivity measurements showed similar effectiveness.

Critically, LOXIOLO[®] VPA 1726 demonstrated less sensitivity to storage time and humidity changes than Ethoxylated Fatty Amine. This stability advantage matters because manufacturers cannot predict usage conditions.

Superior Attributes

- Food contact compliance without dosage limitations or migration limits
- 100% bio-based, vegetable-derived materials
- No chemical labeling required
- REACH compliant
- Nitrogen-free (amine and amide-free)
- Established safety history

Our team is looking forward to meeting you at our booth @ **Nr 6.2 A51 in Hall 6.2 Chinaplas 2026** or you can email to our Asia team by gp.asia@emeryoleo.com if you can't meet our expertise there.



(Information provided by advertiser)

PAGEV opens access to Turkey's US\$40 billion plastics market

Turkey's thriving plastics ecosystem is poised to welcome deeper collaboration with China through joint investments, technology transfer, and integrated production. CHINAPLAS 2026 serves as a strategic platform to further these objectives, with Turkish Plastics Industry Foundation (PAGEV) acting as a gateway.

Turkey is a major global hub for plastics processing, boasting approximately 11,000 mostly small and medium-sized enterprises (SMEs) that process over 10 million tons annually. This industry generates an impressive US\$40 billion in annual turnover and contributes more than US\$16 billion in added value to the national economy. It directly employs over 350,000 people and invests more than US\$900 million each year in machinery.

In 2025, Turkey's plastics production surpassed 10 million tons, with packaging leading the way at around 4 million tons, followed by construction materials at 2.2 million tons. Total direct and indirect exports from the industry exceeded US\$12 billion.

According to Yavuz Eroğlu, President of PAGEV, Turkey's plastics industry is not an emerging market; it ranks 6th worldwide in plastics processing capacity, representing 2.8% of global production.

Developing deeper Sino-Turkish collaboration

In 2025, Turkey imported 814,000 tons of raw plastic materials from China, with China enjoying a significant trade surplus of over



Yavuz Eroğlu, President, Turkish Plastics Industry Foundation (PAGEV).

810,000 tons in this segment. Regarding plastic products, China accounted for 30.6% of Turkey's total imports by quantity in 2025. In fact, 43.5% of Turkey's total product imports originated from China, resulting in a trade surplus favoring China of approximately 220,000 tons.

Moreover, 43.5% of Turkey's imports of plastic processing machinery came from China, amounting to US\$323 million, with a trade surplus in China's favor of nearly US\$320 million. "In other words, nearly half of our machinery imports come from China, making Turkey a key market for Chinese machinery manufacturers," Eroğlu explains.

He notes that while the relationship is currently import-driven, it is set to evolve toward joint investments, local production,

and technology partnerships. This shift positions Turkey as a strategic production and cooperation base for China, rather than merely a destination for sales.

For instance, more than 200 Chinese companies are already operating in Turkey, investing over US\$7 billion. Major investments, such as BYD's US\$1 billion automotive factory, along with plans from Chery and SWM Motor, underscore that Chinese companies increasingly view Turkey as a production base—especially for accessing European markets.

Political leadership from both nations is actively supporting long-term industrial cooperation. A significant initiative is Turkey's recent decision to allow visa-free entry for Chinese citizens. This practical step greatly facilitates business mobility, investment dialogue, and industrial engagement.

"These initiatives are not mere symbolic gestures; they represent a clear strategic intention to deepen cooperation," Eroğlu says. "When political leadership, institutional structure, and private sector dynamism align, sustainable industrial corridors can emerge."

PAGEV as the gateway to Turkey and Europe

PAGEV, representing over 88% of Turkey's plastics value chain, acts as a strategic bridge connecting Chinese and Turkish industries through trade events, official delegations, and structured B2B meetings.

"For Chinese companies entering Turkey in a structured, secure, and long-term manner, PAGEV is not just a representative institution—it is the institutional gateway to strategic partnerships," Eroğlu states.

PAGEV connects Chinese plastics producers, machinery manufacturers, and raw material suppliers directly with their Turkish counterparts, fostering industrial engagement and technology exchange. This includes leading an official delegation of over 100 Turkish companies to CHINAPLAS and hosting Chinese delegations at Plast Eurasia, organized by the foundation.

As the EU grants tax advantages for products containing certified recycled plastic content, PAGEV actively promotes EU market access and sustainability through certification programs for recycled plastics and microplastic prevention.

Engaging at CHINAPLAS 2026

At CHINAPLAS 2026, PAGEV organizes a dedicated booth (2.1H01) to showcase the potential of the Turkish plastics industry. This presence aims to foster connections and facilitate collaborations between Turkish and Chinese stakeholders.

Visitors to PAGEV's booth at CHINAPLAS can expect a wealth of valuable resources, including structured and analytical data on the Turkish plastics and machinery market, investment frameworks and cooperation models, guidance on EU certification, direct B2B matchmaking opportunities, and institutional support for long-term projects.

In pursuit of sustainability with advanced additives

The global plastic additives market is projected to reach US\$36.24 billion by 2030, up from US\$29.06 billion in 2025, representing a CAGR of 4.66% during the forecast period, according to Mordor Intelligence.

Polymer processing aid is the fastest-growing type of additive, benefiting from the shift toward PFAS-free chemistries. In particular, producers are adjusting their portfolios to include PFAS-free grades to comply with new restrictions. Besides, consumer goods applications are outpacing all other uses as brands prioritize safer ingredients.

Additionally, the growth of the plastic additives market indicates a significant shift towards sustainable plastics. A notable trend within this shift is the use of specialty additives that enhance the properties and performance of recycled plastics, thereby increasing their broader application.

PFAS-free additives gain momentum

Per- and polyfluoroalkyl substances (PFAS), also known as "forever chemicals", are an ultra-stable group of chemical compounds that are highly resistant to breakdown.

Despite featuring benefits such as high strength and resistance to stain, oil, heat and water, PFAS pose risks to the ecosystem and human health.

For this reason, some countries are restricting and phasing out PFAS with



Artificial grass application with the PFAS-free BYK additive BYK-MAX P 4110. (Photo: Adobe Stock)

the ultimate goal of banning them. As transitioning to eco-friendly materials and prioritizing health is a global trend, producers develop innovative PFAS-free additives without compromising performance.

BYK-MAX P 4110 is PFAS-free polymer processing aid (PPA) developed by BYK. It facilitates faster production speed, prevents melt fracture and reduces build-up on dies, resulting in reduced cleaning efforts and, consequently, shorter downtimes. The additive is developed for use in polyolefins with the aim of optimizing the production of films and fibers, as well as other extrusion applications.

AddWorks PPA product line, launched by Clariant, is a new generation of PFAS-free polymer PPAs designed specifically for polyolefin extrusion applications. It offers enhanced extrusion efficiency, effective elimination of melt fracture also known as shark skin defects, and superior film surface

smoothness to polyolefin extrusion.

The products also maintain neutral behavior regarding optical and mechanical properties, with no negative impact on dyne level, sealability, or coefficient of friction—critical factors for downstream converting operations.

Likewise, Chengdu Silike Technology has also launched the SILIMER series PFAS-free PPA and PPA masterbatch, suitable for a range of application including film, pipes and wires.

Specialty additives empower circular economy

Recycled plastics often contain impurities and polymer contaminants that accelerate degradation and alter material properties. Increasing the recycled content presents significant challenges, including issues with color, odor, processability, and various performance characteristics.

As a result, recyclers and plastic converters encounter quality and performance issues when processing recycled polymer materials. Formulated additive packages that enhance the properties of these recycled plastics can provide a solution to these challenges.

BASF launched IrgaCycle additive solutions specifically designed for mechanical recycling. With these products, manufacturers can increase the percentage of recycled content in end-use applications such as packaging,

automotive and mobility, and building and construction.

These solutions tackle specific quality issues associated with recycled resins, including limited processability, poor long-term thermal stability, and inadequate protection against outdoor weathering.

Milliken launched DeltaFlow Viscosity Modifiers, a solid concentrate specifically designed to assist polypropylene (PP) recyclers. Recyclers use DeltaFlow to increase the melt flow rate of recycled polypropylene (rPP) during extrusion and injection molding processes. DeltaFlow-optimized resins allow for lower processing temperatures, enabling converters to reduce cycle times, boost productivity, and enhance processability.

Brand owners also benefit from DeltaFlow, as it makes it feasible for rPP to replace virgin resin in many end-use applications. This enables brands to incorporate more rPP into their products, helping them achieve their sustainability goals.

Innovations in additives go beyond simply overcoming technical challenges; they also demonstrate a commitment to protecting health and fostering a sustainable future. For both companies and consumers, this creates a win-win situation for all involved.



Variable cap-top digital printing addresses label-free requirement



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In the digital transformation of the packaging and printing industry, some components that have long been seen as standard are experiencing a notable change in their roles. Bottle caps are a prime example of this shift.

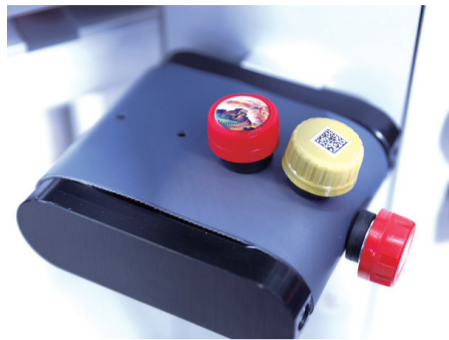
"Traditionally, bottle caps primarily served sealing and anti-counterfeiting purposes. Now, they have evolved into a crucial interface for communication between brands and consumers, and even a gateway for digital engagement," said Wang Jiazhao, Sales Director of Shanghai Onlytec Equipment Co., Ltd.

To align with this trend, Onlytec showcases its comprehensive variable cap-top digital printing solution at CHINAPLAS 2026. Wang emphasizes that this is not merely the display of a single piece of equipment; it represents a systematic upgrade of current methods for bottle cap decoration and coding.

Bottle caps: More than just sealing components

Wang notes that the rationale behind Onlytec's variable cap-top digital printing solutions arises from continuous observations of changes in the downstream market.

First, the influence of branding is particularly striking. In sectors such as beverages, cosmetics, food, and pharmaceuticals, the visual appeal



Variable cap-top digital printing provides advantages in color and design.

and information displayed on bottle caps significantly impact consumers' first impressions.

"Traditional printing methods, like offset and pad printing, have considerable limits in terms of color variety, pattern complexity, and minimum order quantities. This presents challenges for new brands looking to quickly launch limited editions, seasonal products, or personalized offerings," Wang explains.

Moreover, regulatory changes are driving the need for technological upgrades. For instance, South Korea's "label-free" policy for water bottles, effective from 2026, requires more brands to transfer information that was typically found on labels directly onto bottle caps and similar areas.

"This creates specific requirements for printing methods—they must not only be capable of printing but also be flexible,

Traditionally, bottle caps primarily served sealing and anti-counterfeiting purposes. Now, they have evolved into a crucial interface for communication between brands and consumers.

variable, and compatible with data systems," he adds.

Additionally, in the food and pharmaceutical sectors, enhanced traceability systems are making bottle

caps ideal locations for QR codes, batch numbers, and regulatory codes. The inherent uniqueness of bottle caps positions them as excellent carriers for the concept of "one item, one code".



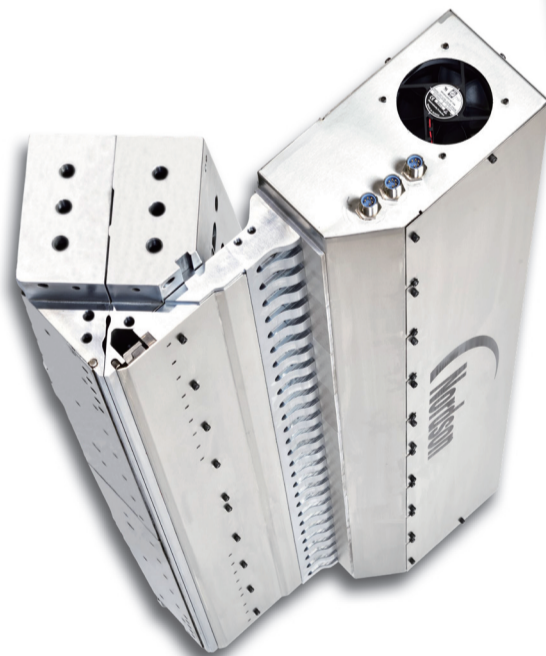
Wang Jiazhao, Sales Director of Shanghai Onlytec Equipment Co., Ltd.

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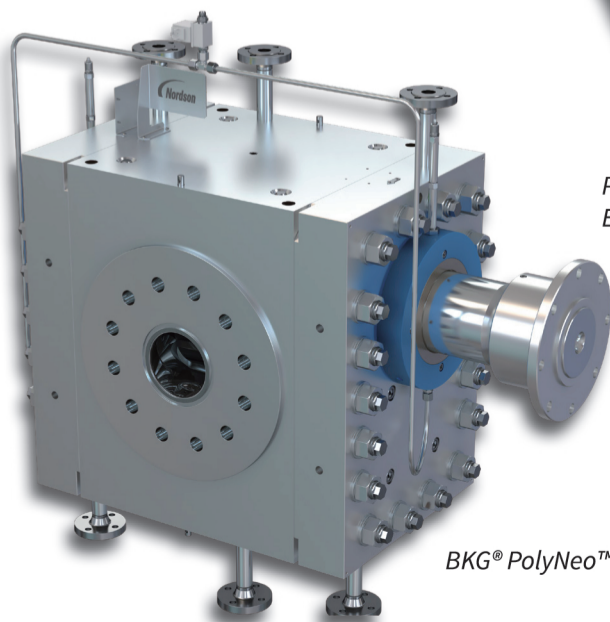
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Local to local: Arburg unveils Allrounder Trend in China



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Arburg, a global leading manufacturer of injection molding machine, unveils the electric Allrounder Trend in China. With short delivery lead times, quick setup, intuitive operation, and easy maintenance, the series is especially well suited to Asian injection molding companies, particularly those in the mobility and electronics industries.

Another new product is the Gestica life control system with a modern dashboard, which also contributes to simple operation and a clear user interface. In addition, four clamping forces are available, ranging from 500 to 2,000 kN, and with electric injection units in sizes 100 to 800. The injection speed is 200, 350 and 500 millimeters per second.

At CHINAPLAS 2026, visitors can see two of these new standard machines: an Allrounder 1000 e Trend with a clamping force of 1,000 kN that produces PCB connectors from LCP; and another equipped with a Flexlift 10+2 robotic system, which produces gears from POM.

Also showcased is the Flexlift robotic system, specifically designed for Asia. The linear robot system can be equipped with application-specific drives, valve sets and

variable control cabinet positioning.

"Local to local" production serves the Chinese and Asian markets

As part of Arburg's "local to local" strategy, the new Allrounder Trend machines are assembled at Arburg Technology Factory in Pinghu, China. They follow the electric Allrounder Golden Electric Evo as the second injection-molding machine series to be assembled there.

These machines are supplied to markets across China and Asia as well as customer-specific, tailor-made turnkey production cells.

According to Dr. Volker Nilles, CEO of Arburg, a completely new assembly concept was developed for the assembly of the new Allrounder Trend machines and was implemented in Pinghu, with "local sourcing" playing a key role. Meanwhile, core components such as the plasticizing unit and control system continue to be supplied by the company's German headquarters.

Integrating AI into control systems and customer support

Arburg has long been deeply involved in AI, including AI-supported assistants and

“The worldwide market situation—whether global, continental or local—remains hard to predict, and both we and our customers will have to keep adapting.”

pilots for the Gestica control system. The company's focus areas include boosting performance with its manufacturing execution system ALS; improving efficiency with the energy monitor and the new "aXw Control MoldlifeAssist" feature for machine-mold communication; and enhancing usability with the upgraded "Ask Arburg" customer portal app.

Dr. Nilles explains that MoldlifeAssist supports mold setup, monitoring and maintenance, improving availability through longer mold life and enhanced operator safety. The AI-supported Ask Arburg feature functions like ChatGPT—but in a secure, self-contained environment—and answers specific questions about all Arburg products and injection-molding processes.

Promising growth in Asia amid global uncertainties

The establishment of the Arburg Technology Factory in Pinghu reflects the strong demand for plastic-processing machines and the promising outlook for China and Asia. Dr. Nilles expects continued growth in Asian markets in the coming years, with particularly strong expansion in India, Thailand, Malaysia, Indonesia and Vietnam.

He notes that demand remains highest in the electronics industry, while the mobility sector in Asia is being supported by the development of EV platforms. "Reliable, high-precision standard machines are used in both sectors," he adds.

Meanwhile, growth is expected from the developing medical sector, and the packaging industry also offers significant potential. Demand spans the full spectrum of equipment for producing medical devices and packaging—from standard machines to high-end system solutions. "Overall, the trend toward all-electric



Arburg's new Allrounder Trend electric injection molding machine at CHINAPLAS 2026.

injection-molding machines will continue in Asia," he concludes.

Faced with an uncertain external environment, the plastics and mechanical-engineering sectors endured a difficult 2025, and challenging conditions look set to continue into 2026.

"We are still operating in a period marked by far-reaching geopolitical and geo-economic influences on the economy. Added to this are changing market requirements such as faster time to market and intense price pressure," he says. "The worldwide market situation—whether global, continental or local—remains hard to predict, and both we and our customers will have to keep adapting."

"Despite the difficult environment, we remain positive about the future," he emphasizes. "As a trusted partner in sustainable plastics processing, we have the right solutions for our customers' needs, from standard machines to high-end, efficient systems."

As Arburg's new CEO since January 2026, what are Dr. Nilles' plans for the company? "My goal is to put Arburg on a stable, ambitious growth path worldwide and to further develop the company's enormous potential," he says.



Dr. Volker Nilles, CEO, (Left) and Dr. Christoph Schumacher, Vice President, Global Marketing.

(Continued from P.9)

Zero downtime switching enhances production efficiency

Wang believes that the significance of variable cap-top digital printing extends beyond simply replacing traditional processes.

In comparison to offset and pad printing, this solution provides distinct advantages in color and design, enabling high-definition full-color output and supporting intricate patterns and gradient effects. A major shift in production comes from significantly reduced "switching costs".

"By issuing software commands, the printing content can be switched nearly without any downtime, enabling small-batch, mixed-variety production as the norm," he explains.

A key feature is its variable data capability. Onlytec's solution incorporates a high-speed data processing system that allows for the real-time printing of QR codes, serial numbers, batch information, and even personalized images on high-speed production lines, achieving speeds of over 150,000 bottle caps per hour.

"This effectively establishes a digital identity for each bottle cap, rather than merely printing a design," Wang emphasizes.

From an environmental and smart technology standpoint, variable cap-top digital printing reduces the need for plate-making and cleaning processes. When combined with UV or eco-friendly ink systems, it enables instant curing and low-energy operation. Additionally, the equipment can integrate with visual positioning, intelligent adjustments, and MES systems, thereby preventing the creation of new data silos.

Smarter: From executing commands to autonomous adjustments

Discussing industry trends, Wang Jiazhao believes that changes in end-user demand are driving upgrades in automation equipment.

"On one hand, product lifecycles are becoming shorter, which necessitates extremely high switching speed for equipment. On the other hand, equipment cannot just execute commands; it must also possess sensing and analytical capabilities."

In terms of AI applications, he views their value as a means to transition

equipment from "automation" to "autonomy". Currently, Onlytec has integrated adaptive vision systems into its equipment to compensate for shifts and deformities in bottle cap positions in real time, ensuring high-speed printing accuracy.

"We are also collaborating with partners to develop predictive maintenance models based on production data to minimize unplanned downtime," he adds.

Regulations boosts growth in overseas markets

In international markets, the growth of digital printing for bottle caps is also noteworthy. Wang explains that the European market is highly sensitive to environmental regulations and sustainable production, resulting in strong acceptance of digital printing technologies that are waste-free and support recyclable packaging.

In Southeast Asia, which serves as a key manufacturing hub for beverages and personal care products, there is a clear demand for production line upgrades that balance efficiency and flexibility.

Meanwhile, the markets in Japan and South Korea, particularly with South

Korea's label-free policy, have significantly enhanced the concentrated application of high-speed digital printing equipment for bottle caps.

"Our inline high-definition printing workstation is particularly popular in the Japanese and Korean markets. The QR code printing solutions for high-speed beverage production lines, along with multi-color and variable customization options tailored for the cosmetics industry, are receiving the most positive market feedback and experiencing the fastest growth in orders," he adds.

In the realm of packaging and printing, key technological focal points for the next stage of development will include further advancements in industrial inkjet printhead technology, more environmentally friendly UV and water-based ink systems, and AI-driven comprehensive quality control.

Against this backdrop, Onlytec will continue to increase investments in high-speed inkjet technology, machine vision, and AI. "Our aim is to transition from being a single equipment supplier to becoming a comprehensive partner in digital packaging for brand clients," Wang concludes.

Go beyond with plastic solutions of Evonik



7.2C31

Under the theme "WE GO BEYOND WITH plastic solutions", Evonik showcases innovations tailored for the Chinese market, complemented by cutting-edge global technologies spanning new energy vehicles (NEVs), energy storage, hydrogen, low-altitude aviation, humanoid robotics, premium consumer goods, and healthcare.

New energy vehicles and energy storage

Thermal management systems are essential for ensuring the safety and performance of batteries in new energy vehicles (NEVs). Evonik's VESTAMID PA12, recognized for its exceptional chemical resistance and thermal stability, is widely utilized in battery cooling lines, busbars, and energy storage systems. It also supports



Multi-layer cooling lines made of Evonik's PA12.

data center cooling, strengthening digital economy infrastructure.

Meanwhile, gears made with VESTAKEEP PEEK offer superior solutions for automotive transmissions.

Low-altitude economy and eVTOL

The low-altitude economy, a key focus area of China's 15th Five-Year Plan, is rapidly advancing. Evonik's ROHACELL PMI foam, renowned for its ultra-lightweight and high-strength properties, is an ideal choice for structural components in electric vertical take-off and landing aircraft (eVTOL). This material enables aviation manufacturers to achieve lightweight designs without compromising safety, thereby supporting the growth of green air mobility.

Notably, VESTAMID PA12, with its outstanding chemical resistance and high-temperature performance, can be used in thermal management systems of low-altitude aircraft to ensure the safety and stability of batteries and power systems under extreme conditions, further enhancing the performance and reliability of the aircraft.

Medical devices and additive manufacturing

Patient-specific cranial repair implants made with Evonik's VESTAKEEP Fusion filaments have received China's first registration certificate for medical

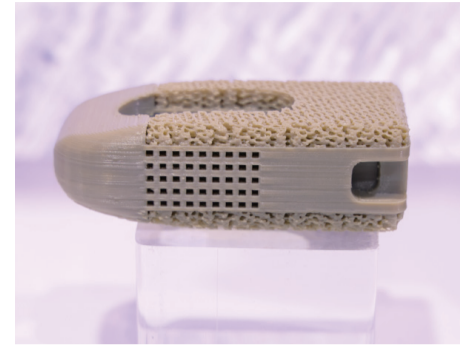
devices produced using FDM additive manufacturing technology, marking a significant milestone for personalized healthcare in the country.

Products using VESTAKEEP i4 3DF for spinal implants have also received the first registration certificate from the National Medical Products Administration (NMPA). This advancement enhances safety and precision in orthopedic surgeries, ultimately benefiting more patients.

As a pioneer in polymer 3D printing, Evonik's INFINAM PA12 products demonstrate tremendous potential for precision manufacturing, customized components, and small-batch production. Their high strength, chemical resistance, and excellent processing characteristics make them the preferred material for additive manufacturing across the automotive, consumer goods, and medical device industries.

Sports shoes and consumer goods

Evonik's VESTAMID PEBA elastomers offer a unique combination of lightweight performance, exceptional impact resistance, and flexibility, making them the preferred material for the midsoles and outsoles of high-end sports shoes. These elastomers not only enhance comfort and durability but also align with the demands of sports brands for sustainable and high-performance materials.



Evonik offers material solutions for medical devices and medical implants.

Recycling and circular economy

In the realm of plastic recycling, Evonik presents its innovative additive solutions that can transform even contaminated plastic waste into high-quality recyclates. The mechanical recycling process is optimized by the TEGO CYCLE and TEGO Sorb product lines, which effectively eliminate inks, labels, and residual odors during wet processing, ensuring the production of high-quality recycled materials.

Additionally, TEGO Antifoam KS 53 provides essential foam control to maintain process stability and safety, while meeting food-contact standards for use in sensitive applications. Evonik's TEGO® PPA series also offers alternatives to PFAS-based processing aids, improving packaging quality while reducing environmental impact.



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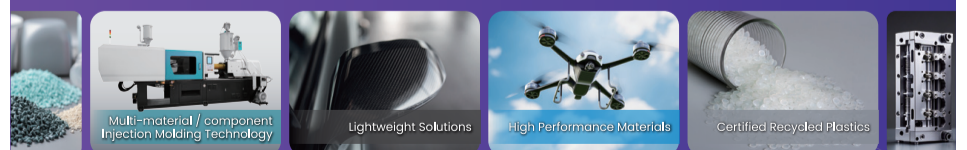
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