

Chinaplas

国际橡塑展

**SHOW
PREVIEW**

**A Brighter and
Shared Future,
Powered by
Innovation.**

Shanghai, PR China

National Exhibition and Convention Center
(Hongqiao)

2024

**4.23
/
4.26**



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for admission discount
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RADICI
GROUP

Booth No.

3A66

5.1D62

7.1C25

1.2D123

7.2C26

7.2D38

A BRIGHTER AND SHARED FUTURE, POWERED BY INNOVATION

Industry under One Roof
@ CHINAPLAS 2024

380,000+ sqm
exhibition area

4,000+
international
exhibitors

1,300+
material
suppliers

3,800+
machine
exhibits

CONTENTS

02 Show Overview

04 Advancement in Plastics & Rubber Technologies
Fueling Innovation in Applications

06 High-end Technologies from China
– Shining Niche Companies at CHINAPLAS

08 About National Exhibition and Convention Center
(Shanghai)

10 Global Plastics and Rubber Technologies Parade

- Injection Molding Machines
- Extruders & Extrusion Lines
- Blow Molding & Thermoforming Machines
- Film & Bag Making Technology
- Recycling Machines
- Automation Equipment
- Preprocessing, Post-processing & Other Machines
- Molds, Dies & Components
- General Plastics, Engineering Plastics & High Performance Materials
- Composites & Reinforcing Fibers
- Bioplastics
- Recycled Plastics
- Additives, Colour Pigments & Masterbatches
- Thermoplastic Elastomers & Rubber
- Innovative Products

39 CPS+ eMarketplace

40 Feel the Pulse of the Market and
Join the On-site Activities of CHINAPLAS
for Unbounded Exchange

41 Trends Shaping Concurrent Events

44 Visiting Tips, Hotel & Transportation

INDUSTRY HOT TOPICS IN FOCUS

- Circular Economy & Sustainability
- Digitalization & Smart Manufacturing
- Innovative Materials Development
- High-end Technologies from China

PARTICIPATE IN OUR EVENTS TO NETWORK, UPGRADE AND ACHIEVE EXCELLENCE

- › Plastics Recycling & Circular Economy Conference and Showcase
- › World Trends and Plastics and Rubber Technology Summit
- › Tech Talk
- › Medical Plastics Connect
- › Applications in Focus
- › THE 2nd HKMDC Advanced Molding & Innovative Symposium
- › Innovative Plastic Molding Forum
- › Product Innovation Gallery
- › Market Insights Hub

For more information and visitor pre-registration:

www.ChinaplasOnline.com



Advancement in Plastics & Rubber Technologies

FUELING INNOVATION IN APPLICATIONS

ELECTRONICS & ELECTRIC (E&E)

The consumer electronics and household appliances industries are experiencing a surge in demand fueled by the increasing popularity of wearables, VR / AR, and the growing adoption of smart home solutions. In this competitive landscape, product innovation and upgrades are imperative. New materials, precision processing, quality control and material and process innovations offer forward-thinking solutions to the industry.

- 1 In-mold decoration
- 2 Lightweight solutions
- 3 Recycled materials and sustainable solutions
- 4 Smart manufacturing solutions & digitalization
- 5 3D printing technologies of different materials
- 6 Spray-free and high-performance materials



PACKAGING

Plastics are widely used in the packaging of food & beverage, ready-made meals, cosmetics and e-commerce due to their versatility, ease of processing and transport, and aesthetic appeal. In line with the "dual carbon" goals, plastic sustainability is gaining the spotlight. Advanced technology integration, intelligent manufacturing, cost reduction and efficiency enhancement will comprehensively promote high-quality development and upgrade of the packaging industry.

- 1 Single material lamination
- 2 Biodegradable materials
- 3 Recycling of plastic packaging
- 4 High barrier food grade materials
- 5 Digital printing, high-speed solvent-free ink printing
- 6 Personalized customization, automatic, intelligent and multitasking integration packaging



MEDICAL & HEALTHCARE

The global health care sector is undergoing an unprecedented transformation, driven by technological advancements, shifting demographics, and evolving patient demands. In the context of centralized procurement, the market is witnessing the rise of intelligent, precise and high-value medical devices as the primary direction for development.

- 1 Antibacterial & biocompatible materials
- 2 Sterilization and chemical resistant materials
- 3 Medical-grade 3D printing
- 4 Automation
- 5 High precision injection, laser plastics welding
- 6 Cleanroom production



AUTOMOTIVE

The new energy vehicle market continues to project lucrative growth. Intelligent network technology has become a new racing track for the development of the automotive industry. Intelligent transportation, energy efficiency, health and environmental related technologies and applications will be the key selling points, shaping the innovative and sustainable development of the automotive industry.

- 1 Advanced lightweight solutions: carbon fibers, SMC, micro-foaming technologies
- 2 Flame retardant and high temperature resistance polymers for improving EV battery safety
- 3 Smart surface technologies: IMD /INS /TOM
- 4 3D printing and smart manufacturing equipment
- 5 Hydrolysis resistant and high dielectric materials
- 6 Heat resistant and flame-retardant materials



SPORTS & LEISURE

Sports & leisure equipment manufacturers are paying more attention to innovative product properties including safety, high performance, lightweight, antibacterial, intelligent functions and so on to align with evolving consumer behavior and growing demand.

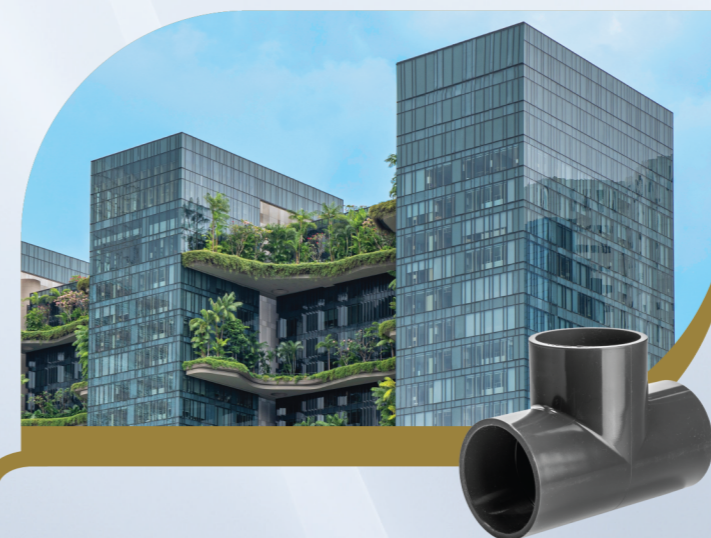
- 1 Anti-cracking and impact resistant materials
- 2 Antibacterial and lightweight materials
- 3 Sustainable sports goods (adopted PCR materials, and the product itself can be recycled)
- 4 Products with rich variety of colors and textures



BUILDING MATERIALS

Plastics have the potential to replace significant amounts of steel and wood while offering remarkable benefits such as energy saving, environmental friendly, improved building functionality and quality, reduced building weight and ease of construction. This paves the way for the industry's future development, steering toward a green, low-carbon, safe, durable, and multifunctional direction.

- 1 New PPR materials / technologies and antibacterial materials such as SMC
- 2 New inspection equipment (Inspection of the appearance, size, quality, compression resistance, elongation at fracture for pipe, profile, waterproof coiled materials, etc.)
- 3 High airtightness materials and thermal insulation technologies
- 4 Materials with decorative functions, liquid silicon materials
- 5 Innovative waterproof and flame-retardant materials



High-end Technologies from China

Shining Niche Companies at CHINAPLAS

What are "Shining Niche Companies"?

They refer to enterprises that have advantageous products or solutions development in the area of "specialized, refined, differential and innovative". All "Shining Niche Companies" are officially awarded on the list of "Specialization, Refinement, Distinctiveness, Novelty" small & medium enterprises by the Chinese government. This signifies a solid validation of their unparalleled professionalism, remarkable technological innovation capabilities, influential industry presence, and comprehensive overall strength.

How to evaluate "Shining Niche Companies"?

The selection will examine the enterprises with comprehensive indicators established by the government bodies in terms of economical benefits, degree of specialization, level of excellence in operation and management, etc. It also requires enterprises to be among the best in market segments, with cutting-edge technologies and innovative capabilities in their field.

What are the rankings for "Shining Niche Companies"?

1. State-level Technologically Advanced 'Little Giant' Enterprises (Top picks among the list)
2. Provincial and Municipal Technologically Advanced 'Little Giant' Enterprises

CHINAPLAS 2024 will gather more than 700 "Shining Niche" enterprises from China. These enterprises will exhibit their locally-developed advanced plastics and rubber machinery and innovative material solutions to promote "High-end Technologies from China" towards global markets. At the show, you will be able to connect with top quality suppliers with government endorsement, offering specialized, sophisticated, innovative and highly cost-effective products and solutions.

Injection & Rubber Machinery

Wonder	1.1A68
Huayi	1.1C62
Tianyuan	1.1C76
Yizumi	1.1D51
Huacheng	2.1T21
Smanl	4.1C78
Bole	4.1D24
Haida	4.1D56
Weida	4.1D78
Tongda	4.1F32
Chen Hsong	5.1C32
Tederic	5.1C52
Borch	5.1D22
Hwamda	5.1D52
Yonghua	5.1G02



Auxiliary Equipment, Die & Mold & 3D Technology

Hadesheng	5.2A87
Shuangyuan	5.2D19
Biuged	5.2D36
Wance	5.2F27
Kaihua	5.2F36
Yudo	5.2F48
Oerlikon HRSflow	5.2F71
UnionTech	5.2K40



Extrusion, Film Tech & Packaging Machinery

Sinomech	3B58
Luster	3B63
Xinzhongde	3C09
Zhongke-hualian	3F79
Useon	6.1B46
Gwell	6.1B66
Xinle Huabao	6.1C76
Tianhua	6.1D54
Xindacheng	7.1C01
Zhongyun	7.1C25
Intell Motor	7.1C63
Huayang	8.1C62
Tongjia	8.1D06
Victor	8.1D12



Additives, Color Pigments & Masterbatches

Liside	1.2C56
Copolyforce	1.2C122
Taixing	1.2D67
Xurui	1.2D87
Kunca	2.2F24
CITIC	2.2F32
Nuosen	8.2D53
Malion	8.2F21
Hifi-chem	8.2F47
Tiengang	8.2F58
Jiyi	8.2G26



Chemicals, Thermoplastics, TPE & Rubber

Kumho Sunny	2.2F76
Kangli	6.2B82
Qinghu	6.2C100
Silike	6.2C102
Miracll	6.2C85
Silok	6.2D81
Kingsui	6.2D91
Lejoin	6.2F72
FLUOTECH	6.2K51
Doneson	6.2K98
Huasuo	7.2A112
Polystar	7.2B146
NHU	7.2C10
Pret	7.2C13
Polyrocks	7.2C102
Juner	7.2C111
XiangLong	7.2F122
Longshan	8.2C02



Recycling Machines, Recycled Plastics & Bioplastics

Jiaren	1.2F44
Hisun	1.2F48
Sealong	1.2F57
Jinghong	1.2F66
Guanhong	1.2G28
BBCA	1.2G48
Beier	NC02
Boretech	NF07



More "Shining Niche Companies" Information

* Partial list of the 700+ "Shining Niche Companies" at CHINAPLAS

VENUE LAYOUT PLAN

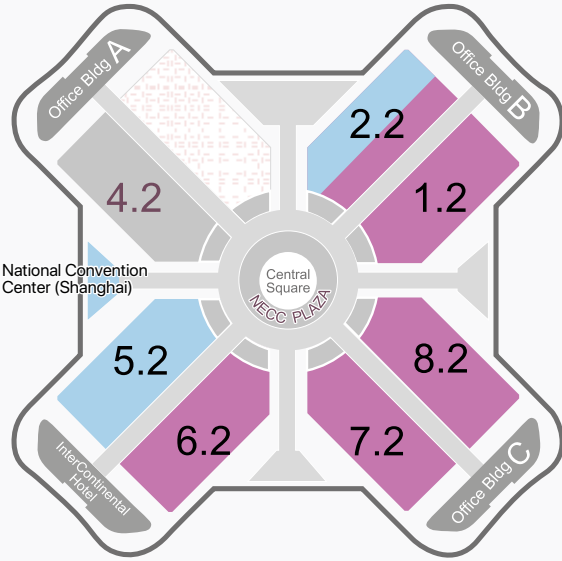


LEGEND

- | | | |
|---------------------------------------|----------------------------------|--------------------------------|
| Visitor Registration | Car Park | North Square Car Park Entrance |
| Overseas Delegation Reception Counter | Basement Car Park | South Square Car Park Entrance |
| Local Delegation Reception Counter | Taxi Drop-off Point | Rented Cars Drop-off Point |
| Metro line 17 Zhuguang Road Station | Metro line 2 East Xujing Station | Venue Gate No. |

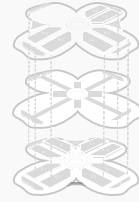
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THEME ZONES AND PAVILIONS PLAN

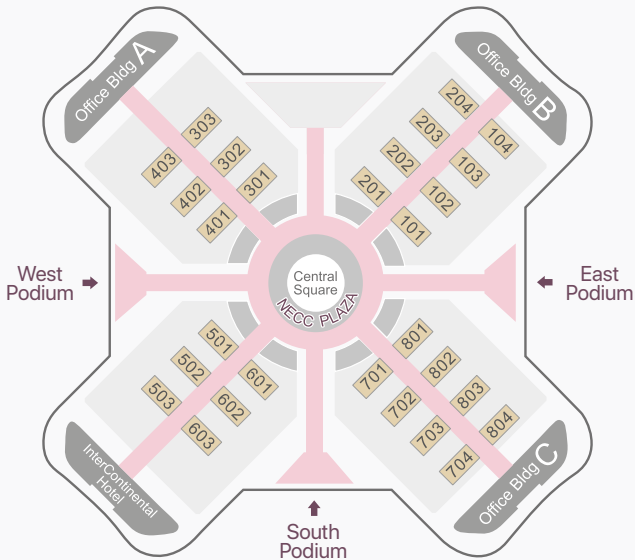


2F

- 1.2** Additives Zone
Bioplastics Zone
Innovative Products Zone
Recycled Plastics Zone
- 2.2** Young Tech Hall
Extrusion Machinery Zone, Film Tech & Plastic Packaging Machinery Zone, Injection Molding Machinery Zone, Die & Mould Zone
Chemicals & Raw Materials Zone.
Colour Pigment & Masterbatch Zone
- 5.2** 3D Tech Zone
Auxiliary & Testing Equipment Zone
Die & Mould Zone
- 6.2** Chemicals & Raw Materials Zone
Thermoplastic Elastomers & Rubber Zone
- 7.2** Chemicals & Raw Materials Zone
Composites & High Performance Materials Zone
- 8.2** Additives Zone
Color Pigment & Masterbatch Zone
Chemicals & Raw Materials Zone



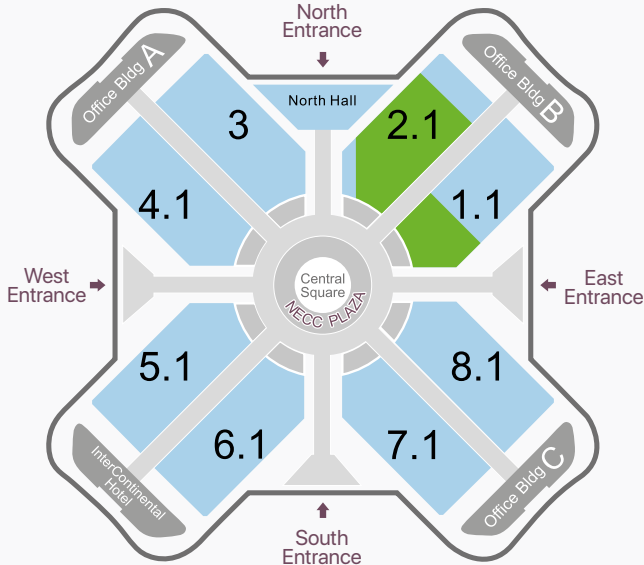
2/F
Mezzanine Floor
(Exhibition Footpath)
1/F



Mezzanine Floor (Exhibition Footpath) Meeting Rooms

1F

- NH** Recycling Tech Zone
- 1.1** Japanese Pavilion
Taiwan Region Pavilion
Rubber Machinery Zone
Plastic Packaging Machinery Zone
Injection Molding Machinery Zone
- 2.1** Austrian, French, German, Italian, Swiss, UK & USA Pavilions
Injection Molding Machinery Zone
Recycling Tech Zone
- 3** Film Tech & Plastic Packaging Machinery Zone
- 4.1** Injection Molding Machinery & Smart Manufacturing Tech Zone
- 5.1** Auxiliary & Testing Equipment Zone
Injection Molding Machinery & Smart Manufacturing Tech Zone
- 6.1** Extrusion Machinery Zone
- 7.1** Extrusion Machinery Zone
Plastic Packaging Machinery Zone
- 8.1** Plastic Packaging Machinery Zone



LEGEND

- Chemicals & Raw Materials Halls
- Machinery Halls
- Country/Region Pavilions
- Exhibition Footpath
- Meeting Room

INJECTION MOLDING MACHINES

The modular and configurable design of injection machines can deliver diverse products while meeting diverse production needs, enhancing the flexibility of production lines. The newer generation of injection molding machines adopts advanced energy-saving and automation technology.



New

4.1C32

48-cavity Conjoined Water Cap- Systec 210-1450 SP

DEMAG PLASTICS MACHINERY (NINGBO) CO., LTD.

The 48-cavity lightweight conjoined water cap production system has a product weight of only 1.2g and a molding cycle of <3s. The cap does not separate from the bottle after opening, making it easier to recycle and reuse, in line with the concept of low-carbon environmental protection.



4.1D52

ColorForm™ One-shot Process

KRAUSSMAFFEI 

Complex thermoplastic parts with a custom, high-quality polyurethane or polyurea surface with a high-end appearance and high scratch resistance can be manufactured in just one process step that is both reproducible and cost-effective.

ColorFrom system greatly shortens the production time and is more eco-friendly. With ColorFrom, scrap rates can be reduced in several process steps, and the reliable one-step process and its high degree of automation provide you with more good parts that also no longer need to be cleaned and reworked separately.



1.1C76

Double-color LSR Injection Molding Machine

GUANGZHOU TIANYUAN SILICONE MACHINE TECHNOLOGY CO., LTD. 

There are two injection units, two separate feed systems and color slurry addition systems.


A unified system control panel can be used to achieve two different colors or hardness of liquid silicone.

It is formed in the machine at the same time and suitable for the production of silicone products with different combinations of dual color and dual hardness.



5.1C32

Supermaster TP-SMART Two-platen Servo Drive Injection Moulding Machine

CHEN HSONG MACHINERY (SHENZHEN) CO., LTD. 

The TP-SMART is a revolutionary upgrade to the popular TP series of advanced two-platen machines from Chen Hsong, which was originally developed as part of Chen Hsong's worldwide strategic partnership with Mitsubishi, seeking to smartly and effectively address all major pain-points on operating two-platen machines in a single attempt.

Wide Adaptability – A Machine for All Seasons
Automotive, Electronics, Logistics, Construction



New



New

1.1D55



MHF-MAPLAN FIFO Horizontal Injection Machine

MAPLAN (CHANGZHOU) RUBBER MACHINERY CO., LTD.

Powerful and fast - the horizontal RAPID+ injection molding machines. They support all common demolding and automation concepts thereby significantly reduces personnel costs.

1. MAP.commander C6 - Control intelligence - The latest version of the intuitive touchscreen interface between user and machine boasts a 30% faster touch response time compared to its predecessor.
2. Generously dimensioned clamping unit with extremely high stiffness and parallelism
3. Large daylight and closing stroke for a wide range of mould designs
4. Optimized for the processing of difficult technical elastomer
5. Various demoulding devices and brush systems available

5.1C42



ENGEL Skinmelt Technology, Trunk Storage Box

ENGEL MACHINERY (SHANGHAI) CO., LTD.

Skinmelt technology can be used to increase the recycling rate of a plastic part. Those Sandwich components with a core of recycled material embedded in virgin material allow recycled materials to be used more widely. The aim is to design more and more products for this form of two-component production and to increase the proportion of recycled material in the sandwich structures. The achievable proportion of recycling in the core is largely determined by the geometry of the moulded part and the filling pattern of the cavity. ENGEL succeeds in achieving a very high recyclable content with this complex component geometry using the Skinmelt technology.



One advantage of this technology is cost reduction. This technology can be used widely for example in furniture, logistics or rigid packaging applications.

4.1D64



JT120E2 Full-electric Injection Molding Machine

POWERJET PLASTIC MACHINERY CO., LTD.

1. Environmental protection and cleanliness: no oil leakage and dripping phenomenon pollutes the workshop environment to ensure the cleanliness of the workshop environment
2. Low noise, ultra-quiet: full servo motor drive, quiet and smooth action, low noise
3. Shorten the molding cycle and achieve high productivity: The opening and closing mold can synchronize the action of feeding, thimble, neutron, reaming teeth and other actions, shorten the entire molding cycle, and realize the ideal mechanical industrial product with fast cycle and high capacity
4. High precision, super stability: using full servo motor drive, high-precision heavy-duty screw drive, high-performance, high-response computer control, the performance of the whole machine is better and more stable.



1.1A44



NEX220IVT-50E Electric Type High-Performance Injection Molding Machines

NISSEI PLASTIC (TAICANG) CO., LTD.

NISSEI electric injection molding machines has been developed by being in tune with the needs in the field and years of accumulated expertise. NEX Series by a variety of high-value added software applications and high-quality and precision.



New



EXTRUDERS & EXTRUSION LINES

Extrusion equipment integrated with IoT technology becomes more intelligent to improve production efficiency and quality while reducing pollutant emissions. Besides, extrusion equipment can be used with more new materials such as carbon fiber composites, highly conductive thermoplastics, etc.



New

6.1C21

World's Widest Hollow Plate Production Line

WUHAN HANDERN PRECISION MACHINERY CO., LTD. 

The improvement and development involved many aspects, including the optimization of the flow distribution of the mold, the development and design of the latest formwork, and the monitoring of the shear rate.

By adjusting and improving the internal structure and flow channel of the extrusion mold, the uniform flow of raw materials in the extrusion process is realized, so as to improve the molding quality and production efficiency of the product.



2.1F21

Sulzer XPLA Foam Extrusion Technology

SULZER CHEMTECH

Sulzer in a continuous search of sustainable and ecological solutions has combined the beneficial biodegradability provided by the PLA bio-material with the reduction of the amount of polymer used through the extrusion foaming technology process.

Using the appropriate additives PLA foams have a very high potential to replace today's PS foam standards in some applications. PLA foams offer perfect solutions for various packaging industries (food trays, clamshell or cushioning materials, among others). The main advantages are the properties like biodegradability, excellent thermal insulation, or good mechanical properties of the XPLA foams produced by using the extrusion foaming process.



New

7.1C04

High Speed Double Wall Corrugated Pipe Extrusion Line(Φ32-1500mm)

SHANDONG HUASU PLASTIC TECHNOLOGY CO., LTD. 

The molds adopt the double flow channel structure and nitriding polishing processed die head. This makes the adjustment of partial wall fast and ensures the thickness of the inner and outer wall uniformed and stable.

The closed water cooling structure: full cooling, multi-point distribution vacuum system, higher efficiency, faster production speed. Online double wall belling function and automatic lubrication system make the module run more smoothly to increase production rate.

Online EPS uninterruptible power supply ensures the automatic return of the forming worktable in case of sudden power failure, so that the mold block can be separated from the water sleeve in time. Adopts Siemens PLC programming control.



New

6.1B46

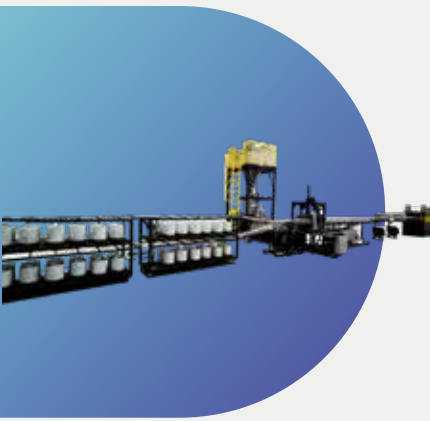
Twin Screw Extruder SAT Series

USEON TECHNOLOGY LTD. 

Our SAT series co-rotating twin screw extruder, is our most popular twin screw extruder. With 10.3Nm/cm³ specific torque, this twin screw extruder is able to perform more delicate processing tasks, precise process controls to fulfill intricate and sophisticate processing purpose.

Better dispersion, more accurate temperature controls and higher throughput have been integrated and optimized further. It is multifunctional. With a more powerful gearbox and more precise screw elements, this twin extruder has a more flexible processing range and wider operation window.





6.1C50



Continuous Impregnation and Granulation Line for Long Fiber Reinforced Thermoplastic (LFT-G)

NANJING CHUANGBO MACHINERY CO., LTD.

Long fiber reinforced thermoplastic material is referred to as "LFT", which can be subdivided into: LFT-G, LFT-D, etc. LFT-G complete set of equipment jointly developed by Nanjing Chuangbo Company and Beijing University of Chemical Technology, features in the structure optimization and automatic process control technology of die head, which has the characteristics of high infiltration degree, small fiber damage, stable and controllable process and high production efficiency.

The production line is suitable for PP, PA, PET, PPA, PBT and other thermoplastics to meet the needs of different customers.

7.1A31



Three-Dimensional Structure Adjustable Temperature 3D Mattress

DALIAN PLASTICS RESEARCH INSTITUTE CO., LTD.

3D regular temperature adjustable polymer mat, is an innovative product based on traditional random polymer coil mat, which adopts 3D regular spiral structure, makes the polymer strands adhere durably, the thickness loss is only 3% after 80,000 times compression. The polymer core adopts circulation water for temperature control, which is safe, energy saving, and eco-friendly. The mat hardness and elasticity are adjustable, and can be combined freely, can be washed by washing machine, low noise, anti-mite and anti-bacteria.

This mat can be used as bed mattress, cushion mat, pillow, etc., And can be widely used for different fields, such as household, office, automotive interior, etc.



6.1C57



Nordson's BKG® HiCon™ K-SWE-HD/RS

NORDSON POLYMER PROCESSING SYSTEMS

Nordson's BKG® HiCon™ K-SWE-HD/RS allows blown film manufacturers to process up to 100% recyclable in their production line. It is a continuous backflush filter ensuring constant pressure and reducing the number of screen changes, thus leading to fewer line shut-downs and higher end-product quality. Automated features like the melt pressure-controlled backflush and venting start allow less operator intervention and low backflush waste.

The HD/RS is designed to be implemented in blown film lines manufacturing e.g. plastic bags.



1.1C42



TEX- FANFlow Simulation Software for TEX

JSW MACHINERY TRADING (SHANGHAI) CO., LTD.

TEX-FAN is a devolatilization simulation software. Through this software, users can predict complex modification processes such as filling rate and melt plasticization behavior in barrel of twin screw extruders.

The devolatilization analysis predicts the removal of volatile components in the exhaust area of the extruder through a solvent rich molten resin. This function can predict changes in physical properties, including MFR, molecular weight, crosslinking degree, etc. At the same time, the variation in resin viscosity caused by volatilization was considered. TEX-FAN provides detailed analysis of flash evaporation effect, devolatilization effect, and volatilization assistant effect, which can be used to produce various products.



BLOW MOLDING & THERMOFORMING MACHINES

Blow molding machines offer several advantages, including energy-saving, high efficiency, and lower feedstock and labor costs. They can also reduce the weight of finished products and are widely suitable for PCR materials. By reducing the cooling time and forming cycle, the finished product can achieve high processability and flexibility.



New

8.1C16

ASB Double Layer Injection Blow Molding Machine

ASB / HONG KONG NYLON CO., LTD.

The double layer ISBM machine is ASB's latest development that materializes the possibility of many new forms of containers that were not possible in the past, including ultra thick wall containers, uniform inner shape, gradation design, virgin PET inner layer ensuring hygiene /RPET (recycled material for environmental) outer layer containers, PET outer/PP or PE inner for airless or multi-barrier bottles, etc.

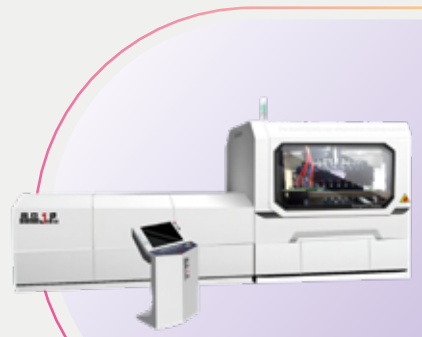


8.1C31

Fifty-four Cavities Cap Compression Molding Machine

GUANGZHOU JEEPINE INTELLIGENT COMPRESSION MOLDING MACHINE CO., LTD.

- More stable, much faster and energy-saving
- No injection dot, easier to get printed, max output could be 100,000pcs cap per hour and 7*24 global after service



New



8.1F02

6000bph Fully Automatic Bottle Making Machine Energy Saving

TAIZHOU HUANGYAN OUGE MACHINE MOULD CO., LTD.

- Adopts human-computer interface to control the whole working procedures, auto-loading, auto-blowing and auto-dropping. Connect with PLC control every step and test every cylinder.
- Fast speed, accurate position, smooth action.
- According to special demand, adopt cross double crank pressed clamping, with strong clamping force. Mold open stroke can be adjustable
- Far infrared heater lamps have strong penetrations, preforms heated uniformly while rotating, PLC or electronic pressure adjuster controls each group of temperature separately.



6.1C60

MFC9070 Full Servo 3 Stations Thermoforming Machine

SHANTOU MENGXING PACKAGE MACHINERY CO., LTD.

1. Big forming area, Max. 900mm*700mm. Max. sheet width is 940mm, feeding length is 700mm.
2. Mold locking system: gas-off protection function.
3. 20 minutes change mold.
4. Mold locking force is 80 tons, cutting force is 100 tons.
5. Mold can be installed with servo plug assist.
6. It can provide at least 6 times longer in heating length than before and improve the production efficiency and forming effect of thick sheet.





8.1C40



Coil Continuous Press Vacuum Forming Machine

ASANO LABORATORIES CO., LTD.

1. Sheet material conveying: using strong clamp type chain to prevent plastic powder, conveying speed(3000m/s) is 1.5 times of the previous equipment.
2. Equipped with fast response heater: Equipped with sheet temperature compensation function to improve heating accuracy and achieve stable molding.
3. Table drive: Adopting curved arm structure, AC servo motor to control the position and speed, realizing high speed and stable molding.
4. High-speed response valve: Integrated valve can realize vacuum and pressure air at the most appropriate time.

8.1A22



Tonva Multi-cavity Electric Blow Molding Machine

ZHEJIANG TONVA PLASTICS MACHINE CO., LTD.

The intelligent multi-cavity electric blow molding machine independently developed by TONVA has been widely used in medical consumables, food packaging and daily chemical packaging industries.

The movement of this machine adopts electric to replace the traditional hydraulic system which can save 40% of energy consumption. Production fault diagnosis system and capable hardware and software monitoring platform, fault diagnosis and monitoring service units as a whole, can realize the intelligent production process. Also this machine can be customized according to the production demand of multi-cavity.



2.1H47



GEISS T11 Thermoforming Machine

C. ILLIES TRADING (SHANGHAI) CO., LTD.

The T11 represents GEISS's cutting-edge technology in thermoforming. As our most powerful thermoforming machine, it impresses with shortened machine cycles and a compact design.

- Short heating time: Fast heating of the sheet using various types of halogen heating elements.
- Sheet automation: For loading of plastic sheets for fully automatic production.
- Stepless adjustment: Stepless adjustment of window plates and clamping frames.
- Direct motor drive in all main axes: Eliminating the need for mechanical synchronizations.



2.1P21



GABLER M100 Tilt Bed Thermoforming Machine

GABLER THERMOFORM GMBH & CO. KG

The M100 is the superlative in cup thermoforming and absolutely unique tilt bed thermoforming system in terms of its forming area and production capabilities. It's the biggest tilt bed thermoforming machine worldwide and offers the lowest production costs and energy consumption per product.

It offers a new dimension in the thermoforming world in order to make the production more profitable, efficient, reliable and productive. It also offers the best relation between highest productivity and lowest production cost.



New



FILM & BAG MAKING TECHNOLOGY

The advancement of micro-nano film technology not only catalyzes the progress of renewable energy but also opens up new possibilities for trending electronic products, energy storage, and sensors. The new solar film with higher efficiency and stability also fits applications in the buildings and electric vehicles industries.

3C31

Ultra-high Productivity Five-layer Co-extrusion POD Blown Film Line

GUANGDONG COSTAR MACHINERY TECHNOLOGY CO., LTD.

COSTAR ultra-high-yield five-layer co-extruded POD film blowing machine can produce up to 800KG/H. The independently developed high-precision die head and high-yield plasticizing extruders can process a variety of raw material formula. The energy consumption of the production line is as low as 320KWH/T, which not only increases production capacity but also helps customers reduce costs.



3C36

1500 mm Four-air-shaft High Speed Stretch Film Machine Group

GUANGDONG XINHUIDA MACHINERY TECHNOLOGY GROUP CO., LTD. 

- Compared with traditional 1500mm machine, the working speed is enhanced from 200 M/min to 350 M/min and the production capacity is enhanced from 8 tons/day to 14 tons/day.
- Faster roll change speed can produce small hand use rolls and lessen the cost of rewinding jumbo rolls into small rolls.
- Used 4 extruders and 7 layers feed block on the machine. It can produce 5 layers or 7 layers stretch film. Compared with the traditional 3 / 5 layers stretch film, the film is with better elongation and anti-tear performance.
- It can be used for producing hand use stretch and high end super thin machine use stretch film rolls.



3A20

S2 Duplex Solventless Laminator

CHONGQING SINSTAR PACKAGING MACHINERY CO., LTD. 

The main highlight of the S2 double station solventless laminating machine is that nonstop for material rolls transferring. And its main purpose is to solve the problem of nylon film being easily deformed and stretched due to moisture during refueling.

Single station solventless laminator is prone to low-speed core overflow and the difficulty in detecting defective products during single station change material, making the laminate quality of the product more stable.



2.1F51

RX 6.1 Circular Loom

STARLINGER & CO GES.M.B.H

The new middle size 6-shuttle loom in the RX series is specially designed to weave endless tubular or flat fabric out of PP, HDPE or PET tapes. The user friendliness of the RX 6.1 ensures precise and gentle production of high quality fabric even with lightweight tapes.





2.1H91

9/7 Layer Lines

HOSOKAWA ALPINE AG

Film Extrusion Lines for Blown Film, for mono layer and multi-layer films with 3, 5, 7, 9 or 11 layers, MDO Film Stretching Lines with patented TRIO systems – Film Winders. The unique TRIO technology (“Trim Reduction for Inline Orientation”) provides significant material savings in edge trimming and the vacuum technology optimizes flatness and processability significantly.

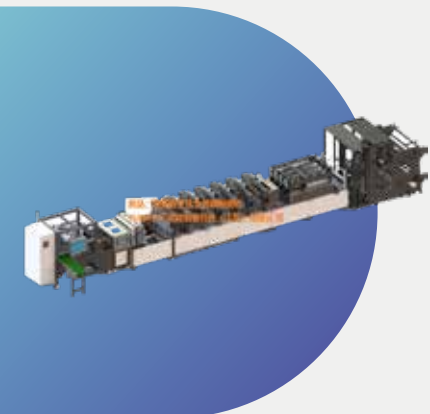


3B72

High-speed, Three-side-seal, Automatic Pouch Making Machine [with standing pouch and zipper seal unit]

DALIAN TOTANI CORPORATION

- Totani’s original water-cooled sealing plate is used in the zipper seal unit to give beautiful finish to the pouches
- Three main lengths are available to accommodate your specific use and available spaces
- Available with future options such as the cutter control system and the cutter servo drive



3B50

High-Speed, Fully-Intelligent, Fully-Servo-Controlled Bag-Making Machine For Mdo Or Full-PE Materials

KUNRUN MACHINERY (SHANGHAI) CO., LTD.

This bag-making equipment above the operation, action, positioning part of all the independent servo motor control. The use of bus control system to achieve the group of servos is to monitor each other’s operation.

This equipment solves the environmental protection new material MDO in the traditional equipment production of major defects, can achieve 250 knives / min, less than 2% of the scrap rate, the whole machine data automatically collated, saved and feedback, complete application in the same size order.

Achieve digital transparent production management, reduce the operator's workload of nearly 50% and about 35% of the debugging and production scrap material waste.



3F46

Lithium Battery Diaphragm Production Line

SHANDONG YONGJIAN MACHINERY CO., LTD. 

The lithium battery separator film production line designed and manufactured by our company is a customized production line, which is divided into:

- Dry single pull PP/PE lithium battery separator film production line,
- Dry double pull BOPP lithium battery separator film production line,
- Wet two-step BOPE lithium battery separator film production line,
- Wet synchronous BOPE lithium battery separator film production line.

The production line products are used in new energy vehicles, automobiles, electronics and other fields.





2.1H62

Film Production Lines

BRUECKNER MASCHINENBAU GMBH&CO. KG

Brueckner's film stretching lines guarantee international film manufacturers an efficient, flexible and profitable film production of all types whether using the sequential stretching technology or the unique LISIM simultaneous technology for all high-end films. These are used as high-quality packaging material as well as in technical applications (e.g. capacitor, battery separator and high-tech screen films), mainly made of PP, PET, PA, but also PE and bio plastics.

Future topics in technological development include new film types for a functioning circular economy or for electromobility, as well as sustainability in film production and intelligent packaging. Currently, more than 800 Brueckner lines are in operation worldwide.



3C24

ClassicX™ 5-layer Co-extrusion Blown Film Line for (FFS) Heavy Duty Film

JINMING MACHINERY (GUANGDONG) CO., LTD.

With high-efficiency extrusion system and excellent film cooling system, the machine will run high-performance FFS heavy duty film recipe from ExxonMobil together with high-performance masterbatch from MALION, to provide FFS heavy duty film with 0.14mm thickness. With film width 550mm, the output capacity can reach out 500kg/H, which is in level of international standards.



6.1B66

EVA/POE Film Extrusion Line

CHINA GWELL CO., LTD.

EVA/POE solar cell adhesive film is used for solar cell packaging. After being laminated and solidified, EVA / POE solar cell adhesive film performs functions such as high light transmittance, water vapor penetration, high and low temperature resistance, and UV resistance for battery modules, ensuring stable and efficient use of battery modules. It is a durable and reliable packaging material.



3D36

Calender

SHANGHAI FORWARD MACHINERY CO., LTD.

Calender line is mainly applied for production of rigid, semi-rigid and soft PVC film.

Rigid PVC film is widely applied on various packing materials with particular characteristics of being transparent, colored, high strength, chemical medicament resistance and easy to process. Besides, rigid PVC can be used for decorative film, stationery and pharmacy packing.

Soft PVC film are divided into two main kinds: super clear film and colored film. High quality transparent film can be applied for inflated products and packing material. Inflatable film is made to meet the trendy requirements nowadays since they are non-toxic, non-phenol, good for welding, fireproof, highly durable and resistant with low shrinking rate.



Aerospace, Aviation, Railway Transport	Automotive	Building Materials	Chemicals & Raw Materials	Daily Chemicals	Electronics & Electric	Food & Beverage
Medical & Healthcare	New Energy	Optoelectronics	Packaging	Recycling	Sports & Leisure	Shining Niche Company

RECYCLING MACHINES

Plastic recycling technology and machinery are primarily geared toward enhancing efficiency, reducing waste, and facilitating easier reutilization of discarded plastics. There is a continuous effort to enhance their integration with intelligent equipment, chemical recycling technology, sustainable materials, and design.



New

2.1C12



EnMa FR Series Film Online/Offline Recycling Solution

ENMA GRANULATOR (CHINA) CO., LTD.

Let the defective products in the factory regain "new life".

EnMa FR series film online and offline recycling technology, online granulating recycling can reach 600 meters per minute, offline granulating recycling can crush large sized lumps and rollers of waste film material and transport them to a 150-meter-away extruder for reproduction.

NF07

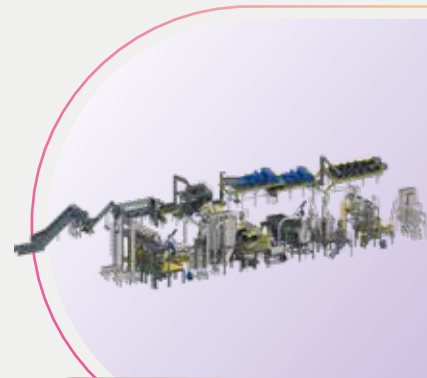


PET Bottle Washing Line — ES Process

ZHEJIANG BORETECH ENVIRONMENTAL ENGINEERING CO., LTD. 

BoReTech has leveraged its 30 years of experience in recycled polyester industry and developed a total solution for plastic recycling, endeavoring to be a global pioneer in plastic recycling ingenuity.

BoReTech revolutionizes its recycling process and technology with the unveiling of ES Process PET bottle washing line. The cutting-edge system boasts an array of enhanced features, and the integrated functionality of a turnkey recycling system maximizes equipment performance, making rPET flakes of premium quality.



New

NC24



5G KCP Plus Series Automatic Self-cleaning Pelletizing System

KITECH MACHINERY

The new 5G KCP series plastic recycling compacting and water ring pelletizing machine combines function of crushing, compacting, filtration and pelletizing into one step. Compared with old generation pelletizing system, the throughput has increased by 50% and the energy consumption ratio has decreased by 20%.

It's specially designed for variety of plastics; It can perfectly deal with different forms of materials, such as soft blowing films, rigid injection materials, rigid extrusion materials, foaming materials, etc. The end pellets product can application in various fields, such as injection molding, blowing molding, extrusion, etc.



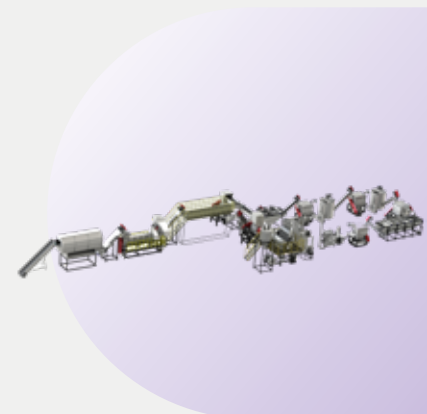
NF24



Waste Plastic Washing and Pelletizing Line

JIANGSU FANGSHENG MACHINERY CO., LTD.

Automatic washing (output:300-4000kg/h) and pelletizing (output:100-1500kg/h) machine lines, treat the waste plastic include PE PP PET PVC PS EPS BOPP ABS PA film and rigid materials etc.





5.1C22

Plastic Crusher / Plastic Granulator

GUANGDONG XIECHENG INTELLIGENT EQUIPMENT CO., LTD. 

Blade sets made by once cutting from steel plate, adopted with patent front-positioning blades design enlarging cutting angle and increasing cutting efficiency. Hence the output granules are even and with less powder or dust occurred.

Models are divided into claw and flat types with wide applications. And the claw type blades are especially suitable for larger and harder subjects like injection lump plastics, etc.

Blades are made of high-strength alloy tool steel with high hardness and good abrasion resistance. Adopted hexagon socket screw installation way of the blades, free from wearing lose on screws in long term utility.



2.1F31

T:CRACKER Industrial Pyrolysis

NEXT GENERATION GROUP

- Fully continuous operation supported by the latest, state-of-the-art automation solution
- Modular design provides a compact and flexible system layout with throughput of up to 1.0 t/h per T:CRACKER module
- Uniform material and heat transfer thanks to patented screw system in the pyrolysis reaction chamber
- Optimum use of the pyrolysis gases via specially developed T:COMBUST incinerator
- Extensive operating experience with a wide variety of feed materials due to the in-house test system



New

NF02

Plastic Flakes / Pellets Homogenizing System

ARMOST RECYCLING-TECH. (DINGZHOU) CO., LTD.

Our company's new Plastic Flakes/Pellets Homogenizing System greatly reduces the speed of homogenizing different materials and can make homogenizing finished at the same as feeding, saving about 50% of time. Furthermore, our product's power consumption is only 30% of that of the traditional silo, and the materials processed at one time can reach 10 tons ~ 100 tons.

The equipment's structures are simple, stable, have a low failure rate while also are easy to maintain and repair. The equipment can meet the high demands of customers in terms of material processing speed, material throughput, energy saving and maintenance and operating costs.



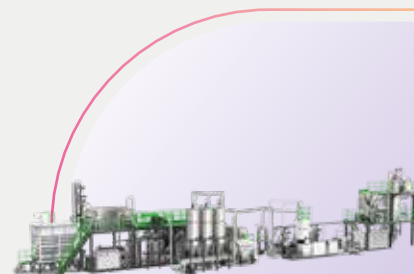
ND18

Pet Bottle To Bottle Food Grade SSP Recycling System

ACERETECH MACHINERY CO., LTD.

The continuous SSP (Solid State Polycondensation) production process, developed and manufactured by ACERETECH for food-grade rPET (Recycled Polyethylene Terephthalate), consists of several key components. These components seamlessly integrate with preceding granulation equipment to achieve continuous crystallization and viscosity enhancement of rPET pellets.

This system is capable of achieving approximately 0.02dl/g/H viscosity enhancement, effectively removing acetaldehyde to ensure its content is ≤ 1 ppm, and reducing the levels of both polar and non-polar toxic volatile compounds (such as 3-acetone, toluene, benzophenone, etc.) to less than 200PPB. These capabilities enable it to meet the stringent requirements for food-grade recycled pellets.



New



Aerospace, Aviation, Railway Transport



Automotive



Building Materials



Chemicals & Raw Materials



Daily Chemicals



Electronics & Electric



Food & Beverage



Medical & Healthcare



New Energy



Optoelectronics



Packaging



Recycling



Sports & Leisure



Shining Niche Company

AUTOMATION EQUIPMENT

Innovative automation solutions comprise a diverse array of advancements, including fully automated production lines, data analysis, visual inspection systems, system integration and collaborative robots. These solutions enable real-time monitoring and data-driven decision-making capabilities.

1.1D21



Newly Upgraded EG-II Series With High Speed And Strong Stability

STAR SEIKI (SHANGHAI) CO., LTD.

High speed: The operating speed is increased by 5% more compared to the previous generation. And the system has added smooth movement and speed switching functions, increasing the robotic arm operating speed.

Stability: The performance of core components such as the gearbox and guide rail has been improved, equipped with a buffering posture part, and the system has added functions such as weight selection, making the operation of the robotic arm more stable.

Security: Functions added - entering prohibited areas and segmenting password changes, making the use of robotic arms safer.



New

4.1A32

sCONVAC Conveying Station

MOTAN TAICANG CO., LTD.

With the sCONVAC flexible conveying station, small conveying systems can be operated cost-effectively. It can be used for a wide range of central conveying applications with a large choice of blower sizes. The three-phase blower is low-noise and maintenance-free. The stations are available with a blower protection filter or a cyclone dust filter with collection bin.

The microprocessor control with a 7 color touch display is located at an ergonomically comfortable working height.

The following units can be controlled:

- Up to 12 sCONVEY HOS hopper loaders
- Up to 8 purging valves



4.1C02



Interface expertise: M2M Communication Based on Euromap Standards and EtherCAT

BECKHOFF AUTOMATION (SHANGHAI) CO., LTD.

The open Beckhoff automation platform with integrated Euromap interface based on OPC UA guarantees safe and reliable M2M communication between heterogeneous plant components. EtherCAT, the global standard for real-time communication, offers maximum performance and flexibility when connecting peripheral devices



2.1P68



Nuclear Magnetic Resonance Spectrometer

BRUKER (BEIJING) TECHNOLOGY CO., LTD.

Being one of the world's leading analytical instrumentation companies, Bruker is strongly committed to further fully meet its customers' needs as well as to continue to develop state-of-the-art technologies and innovative solutions for today's analytical questions.





New

2.1C34



X200 (LSR Dosing System)

NEXUS ELASTOMER SYSTEMS GMBH

The NEXUS dosing technology is engineered for greatness and great savings. SERVOMIX dosing systems from Nexus ensure the highest material usage on the market, thanks to the worldwide unique SPLITNEX technology. The system constantly separates air bubbles from the material for continuous material flow and a precise mixing ratio. This not only saves material, but money. The NEXUS modular mixing head makes a precise color addition from 0.05% to 20% a reality. With this technology, high-quality parts are guaranteed.

1.1D46

TPC (TM Plas Cloud)

NINGBO TECHMATION CO., LTD.

TM PLAS CLOUD is a customized information management platform for rubber and plastics industry and the primary solutions for smart factories, also it's the cornerstone of upgrading to industry 4.0 for companies.

Regarding the production factors which are "people", "machine", "material" and "method", the identification, positioning, tracking, monitoring and management of these factors are completed through edge computing, big data analysis and other means, so as to realize the digitalization, informatization, intelligence and low carbon emission in the production process.



5.2C52

Dehumidifying Dryer 3 In 1

JIANGMEN CITY XIN YI MACHINERY EQUIPMENT CO., LTD.

The machine is equipped with three functions of dehumidification, dry and two-stage feeding. It is especially suitable for engineering plastic materials with strong hygroscopicity such as PA,PC,PBT,PET and so on, with an average dew point of -40°C and the lowest Up to -55°C above dew point.

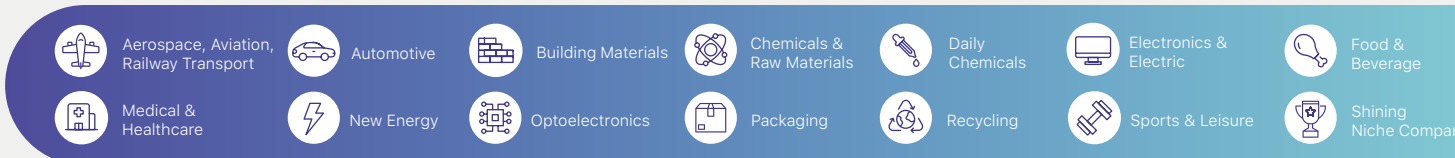


4.1C42

iVenture IMM Control System

NINGBO EST TECHNOLOGY CO., LTD.

iVenture system is a new generation of precision hydraulic servo control system of EST, which solves the difficulties of unstable adjustment and accuracy of the unlocking die that have plagued the industry for many years, so that the machine can run quickly and stably, improve the product accuracy and make debugging simple.



5.2B35

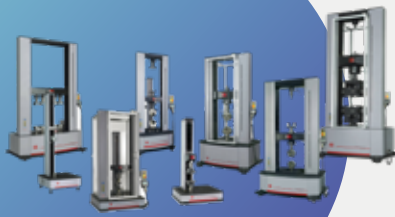


MTS Criterion Series 40 Electromechanical Universal Test Systems

MTS SYSTEMS (CHINA) CO., LTD.

MTS Criterion Series 40 systems feature a complete selection of universal test systems for meeting a wide range of monotonic production testing requirements. Highly reliable and easy-to-operate, these test systems employ high-speed, low vibration MTS electromechanical drives and integrated, digital closed-loop controls to test in load displacement, strain and other control modes at force capacities ranging from 1 N to 600kN.

Series 40 systems are available in a variety of compact, Easy-to-use MTS TestSuite TW software, a large and growing library of standards-compliant test templates, and a full complement of accessories extend the utility of these systems across a very broad spectrum of materials, including: plastics, thin films, adhesives, elastomers, biomaterials, components, composites, etc.



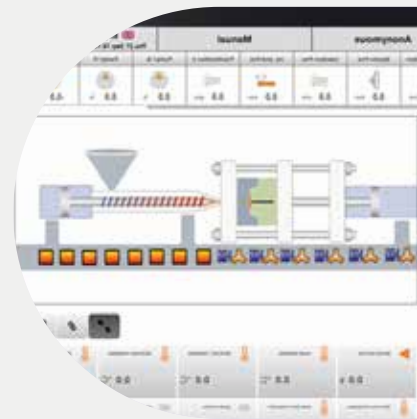
4.1G32



B&R Plastics/Rubber Injection Machine Solutions

B&R INDUSTRIAL AUTOMATION (CHINA) CO., LTD.

B&R's integrated hardware and software solutions, standard yet flexible, make system integration easy for temperature control, positioning, axis control, robotics, conveying and more. Helps companies improve machine development efficiency and respond flexibly to rapidly changing external environments. It can help users: shorten 67% development cycle; reduce development cost; reduce defective products; one day out of the machine; reduce debugging difficulty and debugging time; distributed IO, saving wiring; temperature accuracy plus or minus 0.5°C.



2.1C46



Linked Solutions - Fully Automatically Interlinked Solutions Of Individual Processes

3CON ANLAGENBAU GMBH

Process-optimized connection of self-sufficient "stand-alone" systems with adapted set-up to customer-specific hall layout and workflow. Individualized and product-specific conception (no simple modular concept) with greatly reduced space (up to 64%) and personnel requirements and thus Location-independent.

It gives you the possibility of reindustrialization in high-wage countries with the advantages of:

- Shorter transport routes
- Significantly lower packaging costs and considerably less packaging waste
- Reduced (component) storage requirements



2.1H71



Innovative Automatic Surface Inspection Solution For Optical Films

ISRA VISION

With SMASH, ISRA VISION offers an automatic surface inspection solution for the production of optical films such as prism films, polarizer films, protective films and window films. Thanks to high-resolution line-scan cameras and state-of-the-art lighting technology, the system can recognize even the tiniest defects such as harley bear, scratches, pinholes, haze, coating faults, polarizing defects, oil spots, structural defects and inhomogeneities in real time, even at line speeds of up to 150 m/min. The self-learning defect classifier QuickTeach helps here to simplify and speed up.



PREPROCESSING, POST-PROCESSING & OTHER MACHINES

Employing artificial intelligence in machines and equipment can reciprocally enhance overall efficiency while minimizing environmental impact. Additionally, continuously improved equipment will better accommodate the application of new materials and meet the demand for high-precision plastic parts in various industries.

7.1A22



Automatic Coiler With Automatic Strapping And Unloading Device

GUANGDONG BAST EXTRUTECH CO., LTD. 

1. For automatic coiling and strapping of 8~32mm PA, PE, PERT pipe.
2. With the function of automatic emissions wiring, cutting, roll-changing, strapping, unloading and online weighing.
3. Through digital programming control, the emissions wiring, coiling and roll-changing are driven by separate servo motor.
4. Roll-changing, cutting and clamping are completed automatically, avoiding time wasted for caching, rewinding and possible misoperation.
5. The integrated design of feeding guide and reel greatly reduces the failure rate.



New

3D09



Dahua 3.0 Hang Linear High Speed Slitter

HANGZHOU DAHUA INDUSTRY CONTROL TECHNOLOGY CO., LTD. 

Hangzhou Dahua developed a new 3.0 hang linear high speed slitter which can achieve high quality rewinding through optimized roll layout and high efficiency with automatic design. The machine adopts full intelligent control, high automation, easy to improve accuracy and production efficiency.

The machine greatly meets the needs of high-level customers no matter for performance or appearance. It has attracted wide attention from customers at home and abroad.



6.1C86



Centrifugal Dryer For Underwater Cutting Pelletizing

DONGGUAN QIZHENG PLASTIC MACHINERY CO., LTD.

The centrifugal dehydrator is made of stainless steel, which is suitable for water ring granulation, underwater granulation, material and water separation and drying, and the internal centrifugal rotor is balanced debugging and processing, and the whole machine runs at high speed, stable and without shaking. Suitable models are matched according to the output of different materials.



2.1F39



KAPA - High Quality Thickness Gauges and WIS 1000 - Web Inspection Systems

SBI MECHATRONIK GMBH

SBI - thickness gauges offering high accuracy for uniform film and sheet thickness at all times. Maintenance free and simple operation ensure optimal production conditions and high-cost efficiency. Suitable for all kind of plastics film and sheet applications up to 8m in width and 40mm thickness.



Aerospace, Aviation,
Railway Transport



Automotive



Building Materials



Chemicals &
Raw Materials



Daily
Chemicals



Electronics &
Electric



Food &
Beverage



Medical &
Healthcare



New Energy



Optoelectronics



Packaging



Recycling



Sports & Leisure



Shining
Niche Company

MOLDS, DIES & COMPONENTS

More than 200 renowned plastics and rubber mold suppliers from across the globe are located in the Die & Mould zone to exhibit cutting-edge, intelligent, high-precision, and cost-effective mold technologies worldwide.



5.2F48

TINA-PMC Nozzle Series

YUDO (SUZHOU) HOT RUNNER SYSTEMS CO., LTD. 

TINA-PMC nozzle series is focused on multi-cavity product applications. It was based on special structural design and material applications to have achieved optimal thermal profile of nozzle tip and provided longer lifespan of valve pin and gate insert. It is suitable for small nozzle pocket and compact pitch cutout as well. Advanced manufacturing technologies with reliable nozzle design to achieve better gate quality of part and effective leakage prevention performance of the hot runner system, improved mold mass productions stability.

The series are suitable for most medical & packaging, cosmetics & closure applications.



5.2F57

Mould Track

HASCO TRADING (SHENZHEN) CO., LTD.

The mold track provides significant advantages and more flexibility to customer requirements over the competition:

1. The system enables the exact tracking of injection molding tools in real time and the digital interlinking of processes. Bottlenecks can thus be reduced and resources used more efficiently.
2. The precise tracking of the molds allows improved production planning. This enables optimization of the use of molding tools and reduce throughput times.
3. Fast and easy location detection can eliminate superfluous downtimes.



New



5.2F02

Aquilo Liquid Silicone Rubber System

NINGBO MASTIP HOT RUNNER MOLD CO., LTD.

Mastip's LSR solution features a "Cold Deck" design that includes cooling channels in the mold plates, manifolds, and nozzles, ensuring the mixed material remains in its uncured condition before entering the heated cavity plates. The use of valve gating technology improves balance between cavities and from shot to shot, eliminating material curing in the gate between cycles. Sequential timing of the valve gates is the key component that ensures cavities are kept balanced. As excessive flashing and material curing in the gate can cause defects in the moulded part, the use of Mastip's LSR cold deck will result in improved part quality and reduced waste.



5.2F15

New Sprint APEX Technology – The Solution Designed for ESCR of Caps and Closures

MOLD-MASTERS CO., LTD.

The Sprint APEX gate seal is designed to significantly minimize the presence of injection flow lines, increasing the ESCR level of CSD caps by up to 40%. The Sprint APEX Gate Seal offers benefits :

1. Enables light weighting for cost savings and supports customers' sustainability initiatives by reducing material usage without sacrificing CSD-cap durability.
2. Enables the use of recycled and bio-based resins that don't have the same ESCR durability as conventional resins.
3. Empowers color-change performance by up to 65% when compared to standard gate seals.



New

GENERAL PLASTICS, ENGINEERING PLASTICS & HIGH PERFORMANCE MATERIALS

Modified plastics now offer enhanced functional diversity and superior performance. Engineering plastics and high-performance materials are extending to high-end applications. These materials contribute to product upgrades and cost reduction and expedite the transition to a low-carbon development model by improving recyclability.

7.2C31



Evonik the World's First PA12 Powder for 3D Printing Based on Bio-Circular Raw Material: INFINAM® eCO PA12

EVONIK SPECIALTY CHEMICALS (SHANGHAI) CO., LTD.

INFINAM® eCO PA12 is the world's first PA12 powder material for industrial 3D printing that substitutes 100 percent of fossil feedstock with bio-circular raw material from waste cooking oil in a mass balancing process.

The new, ready-to-use powder features a reduction of CO2 emissions of 74 percent. Evonik's new polyamide 12 grade provides proven reusability rate of 100 percent of the structure support powder, with a refresh rate of 70/30 of used versus virgin material over several printing cycles, all the while exhibiting excellent processability and stable mechanical properties of 3D printed parts. It has been widely used in automotive, medical, consumer goods and other fields.

6.2C32



Anteo™ FK2715 – The Enhanced Ingredient for Excellent Balance of Stiffness, Impact Strength and Optics

BOROUGE PTE LTD.

Anteo™ FK2715 is a medium density polyethylene (MDPE) resin produced using proprietary Borstar® Bimodal Terpolymer technology, combining easy processing, stiffness/impact balance, excellent tensile properties and good optics. Anteo™ FK2715 offers excellent drawability and potential for downgauging.



7.2C61



Halogen-free Flame-Retardant Enhanced PA66

KINGFA SCI. AND TECH. CO., LTD.

As an important material applied to new energy vehicles, mainly made into high voltage connectors, halogen-free flame retardant enhanced PA66 is the core material that we research and develop. This material has good appearance, stable size to meet customer production requirements. With excellent high temperature insulation performance, it can ensure the electrical safety for you. Compared with traditional products or other similar products, this material shows excellent performance:

1. Longer service life and long-term heat resistance, RTIEle=160°C
2. Excellent electrical performance, IPT 2.5kV
3. Excellent outdoor performance, f(1) certification

7.2D48



High Transmittance PC & Transparent Flame-retardant PC

SAMYANG ENGINEERING PLASTICS (SHANGHAI) CO., LTD.

High Transmittance PC, which was developed for the automotive daytime running lights (DRL) application, has an improved light transmittance, heat stability, high chemical resistance and less yellowing compared to the general PC by applying a new light transmittance enhancer derived from isosorbide which is a White-Bio* material.

It obtained UL 94 V-0 for flame retardancy and is an eco-friendly approved material for non-detection of substances including PFOS, PFOA, PFHxS and PFCA from SGS's 74 types of PFAS (Per and Polyfluoroalkyl Substances) detection test, which was possible as halogenated flame-retardant additives are not used.



*White Bio: Biodegradable material synthesized from biomass.



7.2C58

Semi-aromatic PA Material Solution

INVISTA MANAGEMENT (SHANGHAI) CO., LTD.

Following the improvement of fast charging voltage for NEV, higher integration and precision for E&E, INVISTA new developed semi-aromatic PA66 material can provide better balanced performance to meet these new requirements to material selection.



New

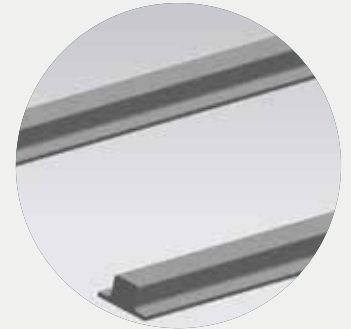
7.2A92

Engineering Plastic Track

SHENZHEN TONGYI INDUSTRY CO., LTD.

This product is a lightweight engineering plastic track replacing steel for mining, with weight of only 1/7 of steel rail. It is carbon fiber reinforced flame retardant PPE material, which has been developed for the safety requirements of mining. The formulation system contains flame retardants, antistatic agents, wear-resistant agents, weather-resistant agents, hydrolysis-resistant agents, etc. The material is flame retardant VO and has a surface resistance of E4-8.

Regarding structure of the product, a special extrusion mold developed for single screw extrusion and one-time processing. It is simple to lay, easy to install, has high strength, low noise and long life. It has passed the rigidity and safety test.



7.2B01

VICTREX FG™ (Food Grade)

VICTREX HIGH-PERFORMANCE MATERIALS (SHANGHAI) CO., LTD.

VICTREX FG™ (Food Grade) grades are high-performance polymers for use in food, beverage, and water processing equipment. Compliant with major food contact regulations and standards, VICTREX FG grades are suitable for demanding environments supporting multiple requirements for safety, quality and regulatory compliance of the industry.

VICTREX FG PEEK polymers are PFAS-free – PFAS (Per- and polyfluoroalkyl substances) have intentionally not been added, used or generated as by-products in the manufacturing process of VICTREX FG™ polymers.



New

7.2B16

PPSU PESU, High Transparent, High Temperature Resistance, High Mechanical Strength, High Chemical Resistance

SHANDONG HORAN SUPER ENGINEERING PLASTICS CO., LTD.

Compared with traditional materials, PPSU and PESU have high transparent property, 180°C long-term temperature resistance, 220°C short-term temperature resistance, hydrolysis resistance, chemical corrosion resistance, steam disinfection resistance. They can meet the harsh environmental requirements.



New





New

6.2C85



HDI, HDI Biuret, HDI Trimer, CHDI, PPDI, CHDA, PPDA

MIRACL CHEMICALS CO., LTD. 

Specialty isocyanates and amines are widely used in coating, paints, shoe sole, leather, spandex, aramid, dyes, antioxidants, elastomers, polyimides, specialty nylon, etc.

7.2C25



Cyclic Polyolefin Modified Materials

MITSUBISHI CHEMICAL GROUP CORPORATION

Characteristics:

- Low protein absorption, Injection molding, Good transparency, Low autofluorescence, Good adhesion with heat and gamma sterilization resistance.
- Can be used in pharmaceutical and biopharmaceutical products.



New



New

7.2C42



BASF's Design to Recycle Flexible PU Foam Solutions for Automotive and Furniture

BASF POLYURETHANE SPECIALTIES (CHINA) CO., LTD.

It is a breakthrough technology for PU flexible foam recycling. The key benefit of this recycling technique will be a very easy way of recycling of the End of Life (EoL) flexible PU foams with reduced energy consumption. The reprocessed PU can be incorporated into new PU formulations with recycling content up to 20-30 wt%. The recycling cycles can be repeated multiple times without limitation. This technology can be used in multiple automotive applications like seating and steering wheel, as well as in furniture applications. Customers will be able to produce PU foams without changing the conventional production process, but with lower Product Carbon Footprint (PFC) values and closed loop recycled content without compensation on the properties.

7.2D52

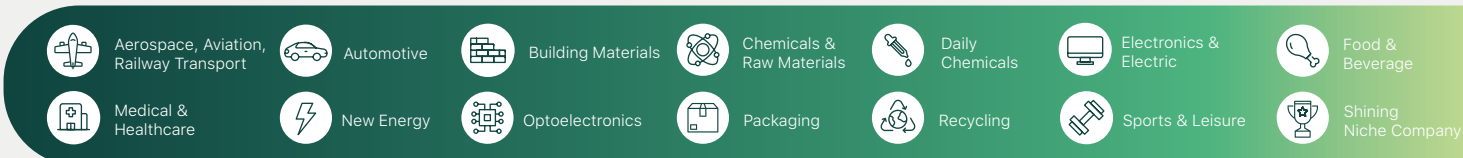


Technyl® High Performance Engineered Material

DOMO ENGINEERING PLASTICS (JIAXING) CO., LTD.

TECHNYL® is the brand of choice for pioneering polyamide-based solutions for automotive, electrical & electronics, building & construction, consumer & industrial goods and more.

Since 1953, TECHNYL® has offered the full range of polyamide 6/6.6 based solutions for a diverse range of applications used every day around the world. Nowadays, DOMO is exclusively producing and commercializing TECHNYL®, providing the worldwide market with the brand's near 70 years of experience.



COMPOSITES & REINFORCING FIBERS

Composites and high-performance materials are lightweight, have superior strength and high wear resistance, and are suitable for use in the aerospace, automotive and E&E industries. They have a longer lifespan and are more economical, making them a good choice for low-carbon materials.



7.2D02

Flat Glass Fiber

NIPPON ELECTRIC GLASS

Our flat glass fiber products enhance dimensional stability and reduce warpage of molded products for injection molding applications. Outperforming conventional round glass fiber, flat glass fiber will improve compounds' impact resistance by 20% and reduce warpage by 50-80%.

It suits many industries such as automotive section, electronic devices and more. Enhance dimensional stability enables thinner, smaller parts for electronic devices. Excellent fatigue property can improve your parts to be used in repeated stress circumstances. To achieve circular economy, our flat glass fiber can be a key solution. Using flat glass fiber enables material to have extra mechanical strength after recycling process.



7.2C81

Bio-mass DURACON® bG-POM and LAPEROS® bG-LCP

POLYPLASTICS

Recent years, Polyplastics has been focusing on the development of environmentally friendly materials. After PLASTRON® L FT low GHG emissions material, bio-attributed DURACON® bG POM and LAPEROS® bG LCP are to be introduced, which can reduce PCF by 50% and 20% respectively.

Target is 100% renewable energy, including segregation and chemical recycling. The manufacturing process and chemical and physical properties are identical to those of conventional ones. More, we have newly commercialized medical-grade materials such as DURACON® PM series, another engineering plastic resin of Polyplastics that can be used in the medical field and good for non-implant and drug delivery use.



7.2C09

Direct Roving for High Performance Thermoplastic Glassfiber Fabric -372: A New Lightweight Material for Automotive

CHINA JUSHI CO., LTD.

Thermoplastic roller forming composite materials using polypropylene resin and glass fiber fabric as raw materials can meet the requirements of automotive lightweight. As a new glass fiber product of continuous fiber reinforced thermoplastic material, 372 is especially suitable for continuous GF/PP thermoplastic fabric sheet production process, high production efficiency and can be made of molded sheet with big width with good mechanical properties and oxygen aging properties.



7.2C13

LCP (Fiber/Film)

SHANGHAI PRET COMPOSITES CO., LTD. 

PRET LCP materials have excellent liquidity, high rigidity, high toughness, precision mold parts size, inherent flame retardancy, high HDT, low liner expansion coefficient, excellent machining, vibration features and chemical resistance performance.

It is mainly used in 5G terminal, tire line, thermal protection, puncture resistant and bulletproof integrated, optical cable, marine, etc. showing important application value in 5G communications, electronics and electrical appliances, aerospace, military industry, industry and other high-end fields.



BIOPLASTICS

Bioplastics are environment-friendly materials with added value like recyclability and biodegradability. Popular varieties are PLA, PBS / PBAT, PHA, etc. Bioplastics are becoming more important in packaging, textiles and medical devices by serving as a crucial solution for sustainable development.



1.2H72



PHA Multi-Product Compounds

BEIJING PHABUILDER BIOTECHNOLOGY CO., LTD. 

Phabuilder's world premiere new products include pure PHA (polyhydroxyalkanoate) material for straw/ knife/ fork/ spoon/ coating and trimer PHA aqueous latex. All of them are pure PHA materials that do not contain other polymers, with 100% biobased, home/industrial composting and marine/soil/river water biodegradability.

The biodegradation rate of PHA is more than 98% and degradation products without microplastics and other harmful substances. The trimer PHA has properties of high transparency ($T \geq 95\%$), high elongation (breaking elongation $\geq 500\%$) and high barrier properties (water oxygen barrier $< 5/m^2$ 24 h)

1.2F47



Biodegradable & Compostable Products

WEIFANG HUAWEI NEW MATERIALS TECHNOLOGY CO., LTD.

Biodegradable & compostable products can be fully composted and turn into $CaCO_3$, water and inorganic salt, leaving no residues to the environment. Our biodegradable & compostable raw materials can be used for making various kinds of compostable bags, stretch film, cutlery, food container etc.



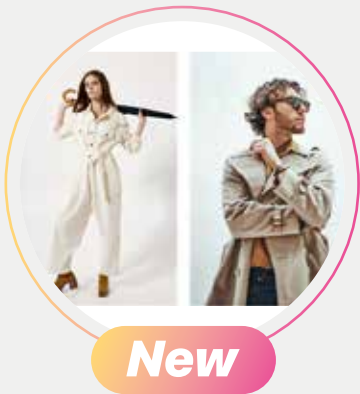
1.2J71



Fiber-grade Recycled PTT Polyester Chips, 100% Sustainable Green Products

HH CHEMICAL CO., LTD.

1. The world's first recycled PTT polyester chip, 100% sustainable green material, which contains 37% bio-based content, 63% recycled content.
2. The raw material is 100% biotechnology, green and environmental protection, supporting the national carbon peak carbon neutrality, which can provide customers with the same spinning performance as the original PTT slice, fully demonstrating the soft, anti-wrinkle, elastic and shape preservation characteristics.



1.2D58



Ecowill Biodegradable Polymer Compound Ecoworld Biodegradable Polymer

JINHUI ZHAOLONG HIGH TECHNOLOGY CO., LTD.

Ecoworld biodegradable polymer can be broken down by microorganism into CO_2 and H_2O within 180 days without creating any poisonous gas. High quality organic fertilizers can be generated under composting condition. This product is the main raw material for biodegradable plastic films with its biodegradable and compostable properties. It can effectively fight against white pollution.



Aerospace, Aviation, Railway Transport



Automotive



Building Materials



Chemicals & Raw Materials



Daily Chemicals



Electronics & Electric



Food & Beverage



Medical & Healthcare



New Energy



Optoelectronics



Packaging



Recycling



Sports & Leisure



Shining Niche Company

RECYCLED PLASTICS

In the context of carbon peaking and carbon neutrality, the recycling of plastics, refined sorting, and high-value utilization form a closed loop, steering the entire industry chain toward sustainable development.



New

7.2C72

PC/PET Made from Post Consumer Recycled Material

MITSUBISHI GAS CHEMICAL

This is a PC/PET resin alloy grade used for exterior parts of automobiles, which contains post-consumer recycling (PCR) materials. By recycling the PC resin used in water bottles and optical discs and the PET resin used in beverage bottles, we can contribute to saving petroleum resources and reducing plastic waste. Plus, the applying of resins in automotive parts brings weight saving which further improves fuel efficiency, which helps reduce the impact on the environment. By optimizing the formula, its physical properties will not be significantly reduced due to the use of recycled materials and insure same level physical properties as original materials.



8.2F16

ECOTRIA CR

SK CHEMICALS

ECOTRIA CR is the circular recycle™ copolyesters that are ready to 'drop-in'. Circular recycle™ is SK chemicals' outstanding chemical recycling method that presents an advanced now-working solution for the plastic issue.

Circular recycle™ triples the quantity of renewable plastic waste. Since the circular recycling process includes a clarifying process at the monomer level, it can use much more plastic waste with low quality while the conventional mechanical recycling process can only use high-quality plastic waste like transparent bottles. Secondly, Circular recycle™ provides high-quality recycled plastic that is identical to virgin plastic. With high clarity and performance, ECOTRIA can cover all existing PETG/PCTG applications.



New

1.2F43

Food Grade Recycled Polyester BG085C & IMHLC_T9

VEOLIA HUAFEI POLYMER TECHNOLOGY (ZHEJIANG) CO., LTD.

These two products are made from high quality post-consumer PET drinking bottles with recycled handling (sorting, decontamination, crushing, re decontamination, drying, VOC removal, filtration, extruding and granulating) to replace raw polyester particles, and finally are used in drinking water bottles, cosmetic boxes, storage boxes, and high-end plush toys etc.



New

7.2C38

PCR PC with 90% Recycled Content

COVESTRO (SHANGHAI) INVESTMENT CO., LTD.

The market demand for high-content PCR materials is growing rapidly as industries step up efforts in pursuing circularity and climate neutrality. The 90% PCR PC solutions from Covestro are based on high-quality PCR feedstock, and thanks to Covestro's robust recipe development capabilities, can achieve excellent performance including:

- Excellent color-matching capabilities, including highly saturated colors
- and exceptional whiteness
- VO/1.5mm with environmentally friendly flame retardants



ADDITIVES, COLOUR PIGMENTS & MASTERBATCHES

Cost-efficient additives and masterbatches with improved recyclability and degradability have become popular. Antibacterial and nano-additives are also more commonly applied in household and public facilities. They can also be used to enhance the performance of new energy and 5G electronic components.



8.2F31



Colorant Chromatics™ Transcend™ Premier Healthcare Colorants

AVIENT CORPORATION

The products offer ultra-high heat resistance and sophisticated color options for medical applications. These formulations are based in polysulfone resins, allowing the material to withstand up to 1,000 autoclave cycles as well as high heat sterilization to 150°C. With a range of aesthetically pleasing colors, Transcend Healthcare Premier Colorants are available as precolor formulation, and in transparent or opaque options. Customize formulations with functional additives to enhance product performance and achieve your specific end-use goals.

8.2F36



Specialty Effects for Polymer Processing

CARGILL BIOINDUSTRIAL (SHANGHAI) CO., LTD.

Optislip™ is a high-performance slip and anti-blocking additive for polymers. The Atmer™ solution product range includes anti-static additives, anti-fog additives, as well as concentrates. IncoMax™ has been developed for engineering plastics to deliver easier processability and improve mold release and scratch resistance.

IncoMold™ range of mold release additives have been designed to improve your injecting molding process by reducing friction for more efficient processing. Ionphase™ is a range of inherently dissipative polymers that are used to reduce the resistivity of polymers, providing control and safety for static related issues.



8.2D32



PC Engineering Plastic Grade TiO2DR2688

INTER-CHINA CHEMICAL CO., LTD.

DR-2688 is specially designed plastic rutile grade TiO₂ for polycarbonate. The special inorganic and organic surface treatments effectively solve the problems such as viscosity and brightness reduction, yellowing of color, and material embrittlement during processing of polymers like polycarbonate.

It ensures the optical and mechanical properties of engineering plastics such as polycarbonate, exhibits excellent resistance to degradation and yellowing in polycarbonate.



8.2F52



Light Stabilizer 2020

SUQIAN UNITECH CORP., LTD.

Light stabilizer 2020 is a low molecular weight hindered amine light stabilizer, with low volatility, migration resistance, and high temperature resistance. It has synergetic effect with antioxidants and UV absorbers. The product is suitable for polyolefin materials, cross-linked polyethylene, olefin copolymers and other polymer materials.

It can often be used with other light stabilizers, antioxidants and UV absorbers to further improve the antiaging effect of materials.





New

8.2F43



Next Generation of Masterbatch Solution for Automotive Interior and Extra Conductive Carbon Black

CABOT CORPORATION

Cabot Specialty Compounds has introduced a new generation of black masterbatches with an excellent blue tone for applications in the automotive interior, consumer and electronics industries.

Recommended for use in polypropylene compounds formulations, these masterbatches provide an excellent blue tone without sacrificing jetness or dispersion. They are recommended for the development of polypropylene compounds and provide good jetness and blue tone for polypropylene compounds while reducing odor.

8.2F62

LG PuroTec™ (Inorganic Antimicrobial Additive)

LG ELECTRONICS

Considered the importance of hygiene in food, clothing and shelter. LG Electronics developed our own antibacterial additive. With LG PuroTec™, we aim to provide customers with new possibilities and value in finished products. LG PuroTec™ is an antimicrobial additive developed that added during the manufacturing process of plastics, rubbers, coats, fibers and other materials, to prevent product damage caused by microorganisms.

It protects you from unnecessary risk by reducing microbial exposure and growth. It offers protection against a spectrum of bacteria while maintaining the aesthetic beauty of the products, ensuring that function and durability are not compromised.



New

8.2F27

Creating Advanced 2D Composite Solution

COLLOIDS PLASTIC (SUZHOU) CO., LTD.

The GRAPHANCED® is a range of graphene masterbatches for thermoplastic and thermoplastic/elastomer polymers. The base resins of the GRAPHANCED® product range include (but not limited to) PA6, PA66, PBT, PET, PC, polyolefins, PS, SAN, EMA, TPEs and TPUs.

Development of GRAPHANCED® products is underway for compatibility with high-end polymers such as PEEK, PPS, etc., all with enhancements driven by graphene and other 2D materials and nanomaterials.



New

8.2F76



Granular Carbon Nanotubes GC-31

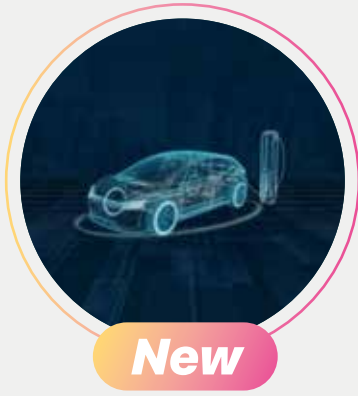
SHANGHAI DAZHAN TIMES NANOTECHNOLOGY

- Greatly improve the bulk density of products, convenient storage and transportation.
- There is no powder flying, which greatly improves the operating site environment and avoids environmental pollution and potential health hazards.
- It is convenient for users to add and use and ensures that the process addition proportion is accurate.
- The granulation process has a pre dispersion effect on the carbon tubes, which improves the dispersion effect used by customers in the later stage.



New





8.2G38



ICL Impact Your EV

ICL GROUP

ICL provides reliable and robust 360-degree protection, while exhibiting excellent stability in thermal processes and end-uses, even under harsh conditions. Our new generation of polymers and reactive FRs are environmentally safe for daily use and meeting customers' needs and optimize their applications. Rather than using a broad-brush approach, we conduct a rigorous evaluation of FRs for specific industry applications.

Utilizing our SAFR® framework, we are able to assess the right FR for specific requirements, from the initial stages of product design. Prioritizing the health of our planet, we are dedicated to developing FRs that are more sustainable and aligned with low-carbon economy standards.

2.2F24



Titanium Dioxide Produced By The World's First Extraction Method

FUJIAN KUNCAI MATERIAL TECHNOLOGY CO., LTD.

Titanium dioxide produced by extraction process uses about 50% of ilmenite as raw material and is recycled throughout the industry. As it also produces almost no solid waste and consumes very little energy, the process furthers environmentally sustainable development. It provides industrial users with a high purity, low-cost product which is very adaptable for customized application scenarios.



8.2F48



Sodium Antimonate

STAR-BETTER (SHANGHAI) CHEMICAL MATERIALS CO., LTD.

Sodium antimonate has obvious advantages over antimony oxides (such as antimony trioxide) in terms of its ability to remove acid. Therefore, sodium antimonate can be used in acid-sensitive polymer materials such as polyester and polycarbonate in modified plastics industry. It can replace antimony trioxide in some flame retardants and electronic products.

Sodium antimonate (1#101) is produced in hydrogen peroxide method by using self-produced antimony trioxide (99.8%) as raw material. 1#101 has the advantages of high purity, environmental protection and low volatility. And it meets the requirements of EU environmental standards.

8.2F79

ACR Impact Modifier

GUANGZHOU SHINE POLYMER TECHNOLOGY CO., LTD.

It is recommended for use in PC, PBT and PC blends with polyesters and ABS. It is targeted for use in painted automotive applications, electrical/ electronic components, appliances, business machines, lawn and garden equipment and recreational vehicles where a good balance of low temperature impact, weatherability and colour ability are requested.





8.2F41



Microlen Blue 7460 ECO for Bio-composting

COLORS & EFFECTS (SHANGHAI) CO., LTD.

Microlen Blue 7460 ECO is a low metal-blue pigment preparation for biodegradable plastics, such as PLA and PHA, certified by EN 13432(EU) & ASTM D-6400:2019 (USA). Excellent dispersion via unique Microlen technology, which provides superior quality and appearance for film and extrusion plastics products. Microlen Blue 7460 ECO fills the gap between phthalocyanine blue and green pigments that can only be used in limited quantities (max 0.045%) due to presence of copper, with Microlen Blue 7460 ECO, the use levels in the final formulation can expand to 2%.

2.2G17



Flow Master

SHINEMAX ADVANCED MATERIALS CO., LTD. 

Appearance advantage: The use of fluid color master material injection molding, showing a stone effect, each product is unique.

Cost advantage: It can completely cover the troublesome fuse lines and scars, and reduce the scrap rate. It can replace the traditional water transfer process to improve production efficiency, and make products more competitive!

Application fields: Small household appliances, daily necessities, jewelry, furniture, cosmetics, electronic cigarettes and other industries.

Excellent performance: wear resistance, corrosion resistance, flame retardant. Can adapt to a variety of complex environments, to ensure the long-term stable use of products. At the same time, it is easy to process and easy to color.



8.2F26



Additive Solutions Enabling Circularity for Plastics

SI GROUP

EVERCYCLE is SI Group's new platform of additive solutions with specific focus to increase the sustainability of plastic and to accelerate the transition to a circular economy. The EVERCYCLE portfolio today contains 5 innovative solutions to increase recycled content, avoid downcycling and improve recycled resin quality in both PET and PO applications. In PET EVERCYCLE provides sustainable solutions against yellowing and loss of transparency. In PO EVERCYCLE can improve mechanical performance through improved stabilization and reduced gel levels.

8.2F22



Antioxidants (RIANOX) + Light Stabilizers (RIASORB)

RIANLON CORPORATION 

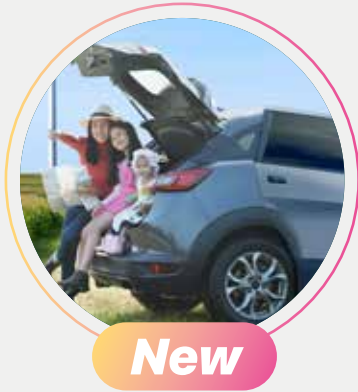
Antioxidant is one of the most commonly used chemical additives in the manufacture of various polymer materials. By preventing the aging of materials, antioxidant can help to prolong polymers service life. Antioxidant is mainly used in plastic, rubber, coating, chemical fiber, adhesive and other special polymer materials.

Light stabilizer (UV absorber) improves the light resistance of polymer materials through physical and chemical reactions. They are often used in conjunction with antioxidants to enhance the anti-aging properties of polymers. The light stabilizer is mainly used in plastic, rubber, coating, chemical fiber, adhesive and other special polymer materials.



THERMOPLASTIC ELASTOMERS & RUBBER

Thermoplastic elastomers undergo continuous upgrades to achieve greater performance and versatility. They are environment-friendly and non-toxic in nature, and they have a comfortable tactile feel. They are also well-suited for various applications, including 3D printing and customized production. These advantages make them fit for the creation of high-value-added products.



7.2K42



KRAIBURG TPE Innovative Eco-Friendly TPE Solution

KRAIBURG TPE

- Comprises up to 48% post-consumer recycled (PCR) and 50% post-industrial recycled (PIR) content.
- KRAIBURG TPE provides customers with product carbon footprint values.
- The eco-friendly TPE series offers good adhesion to PP through multi-component injection molding process as well as the availability of wide pre-coloration selection, allowing for flexibility in product designs to enhance aesthetics of the end products.
- This series is specially developed for automotive, consumer, consumer electronics, wearables and industry applications such as automotive exteriors, household articles, razors, toys, toothbrushes, etc.

6.2C89

Topolymer® Innovative TPE Solutions for Efficient Thermal Management System for New Energy Batteries

JIANGSU TOP POLYMER ENTERPRISE LTD.

Topolymer® New TPE and engineering plastics or fiber woven composites by composite extrusion process, the products are applied in cooling system for new energy battery pack, cooling liquid pressure delivery and circulation.

It has long-term temperature and pressure resistance, as well as the ability to self-transfer heat.

While reducing weight by 25% and improving part manufacturing efficiency, it also effectively improves the cooling efficiency of the battery thermal management system.



6.2C86



Momentive NEVSil – Specialty Elastomer For New Energy Vehicles

MOMENTIVE PERFORMANCE MATERIALS INC.

NEVSil specialty elastomer material can provide higher temperature resistant, flame retardant and thermal conductive performance for NEV sealing part. With these material flame retardant properties, NEVSil can enable new energy vehicles more safety and better thermal management capability.

6.2C02



VECTOR® Novel TPE for Medical Stopper

TSRC CORPORATION

VECTOR® medical solution introduces a novel TPE designed for medical stoppers capable of maintaining its rapid self-sealing properties. This innovation mitigates the challenge posed by existing materials in the market, which are prone to leakage.

TPE is easy to process and can be used with dual-color co-injection molding. Its thermal recyclability feature significantly reduces waste throughout the manufacturing process.

The finished product boasts features such as zero fragment residue, easy puncture, and recyclability.





6.2A86

Audia Elastomers AudiaFlex™ Family of Sustainable Thermoplastic Elastomers

AUDIA SUNSTAR ELASTOMERS CO., LTD.

Audia Elastomers' AudiaFlex family of sustainable thermoplastic elastomers is one of the industry's first TPE portfolios which meet the sustainability needs of brand owners and consumers. The AudiaFlex family is comprised of customizable grades which are produced from post-consumer, post-industrial, bio-based, and marine-based sources.



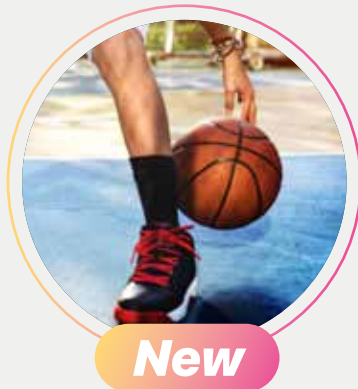
6.2C11

Innovative Solutions of Lubrizol ESTANE® EV TPU Series in NEV Charging Cables

LUBRIZOL SPECIALTY CHEMICALS MANUFACTURING (SHANGHAI) CO., LTD.

It provides properties including high abrasion resistance, good mechanicals, recyclability and plasticizer free chemistry, as well as design flexibility through easy coloring, eliminating the requirement for cables to be solid black, which are very ideal high-performance materials to highly aesthetic outdoor cables with a durable, long-lasting effect even in light or pastel-colors, without the risk of blooming or whitening.

- Low toxicity and low volatiles
- Easy processability



6.2C81

SEBS Globalprene 7720

LCY CORP.

High Rebound GLOBALPRENE 7720 by LCY Corp. is a linear styrene-ethylene/ butylene block copolymer. It offers excellent heat resistance as well as weather resistance, which allows the product to display outstanding rebound performance even under low temperature.

GP-7720 is crosslinkable and exhibits high melt flow index. It is designed for physical foaming as well as chemical foaming and can be utilized in plastic and compounding applications. This product is recommended for use in footwear midsoles as well as foam insoles.



6.2D85

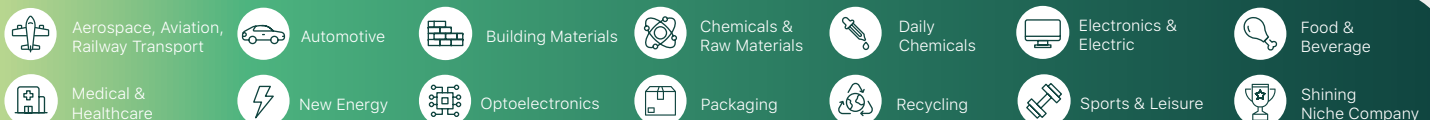
Dryflex HiF Super High Melt Flow TPE for Injection Moulded Panels and Skins

HEXPOL COMPOUNDING (FOSHAN) CO., LTD.

High-Flow and scratch-resistant TPS-SEBS compounds with hardness 70-90 Shore A
Further development of KRATON IMSS™ Technology

1K : Skin moulding with subsequent back foaming 2K : Direct overmoulding of PP carriers

- Helps to meet sustainability targets due to recyclability in processing, lower density & low fogging
- Lower systems costs compared to PVC slush, PU and foil processes
- Surface performance is confirmed by Erichsen & PMMA wheel scratch resistance
- Taber and Crock abrasion testing; Xenon testing for lightfastness; Heat ageing testing



INNOVATIVE PRODUCTS

The significance of functional films in lithium batteries, photovoltaics, and other industries has become increasingly prominent. High performance and eco-friendly products satisfy the market's pursuit of technological innovation and recycling while meeting the sustainability goal.



6.2C42



FORTIFY™ POE for Innovative Photovoltaic Encapsulation Application

SABIC

Photovoltaic encapsulation (PVEN), one of the key component in PV module, not only provides adhesion to top glass and rear sheet or glass but also protects solar cells from damage and enables reliability during designed 25-year life time in wild outdoor environment. Thus, PVEN is very critical to the performance of PV module. SABIC innovative catalyst, product design and processing technology enables FORTIFY PV portfolio to fulfill PV innovation and development needs.

1.2D78



BOPE-HG (Glass Film, Matt Film, Coated High Barrier Film), BOPP Coated & Shaped Film

ANHUI GETTEL HIGH-TECH MATERIALS CO., LTD.

Compared with traditional packaging film, it has better transparency, temperature resistance, puncture resistance, overprinting accuracy and better straight line tearing than CPE or ordinary PE.

The material can be made into thinner and stiffer label face film, thus providing better support to end-users in terms of lowering costs and reducing carbon emissions.

Typical Applications: multi-layer stand-up pouches; packaging for food, liquid products, etc.



1.2D92



Crystal-shrinkable Film

HENAN YINJINDA NEW MATERIAL CO., LTD.

The film does not bond with PET bottle flakes during the recycling process, no need to separate the label and bottle body fragments. The polyester label and the bottle body can be recycled, reduce the labor and equipment energy consumption of the separation process, thus saving energy consumption, comprehensive utilization of waste plastics, pollutant emission reduction, etc.

It can be recycled at a temperature higher than 195 °C without stickiness, and will not be affected by the agglomeration of bottle flakes, production bridging, etc., film fragments and bottle flakes fragments can be washed together, and then recycled together to re-do bottles or heat shrinkable films.

6.2C92



Waterproof Coil

NANTONG POLYMAX ELASTOMER TECHNOLOGY CO., LTD.

It can be used in building walls, roofs, tunnels, highways and other places to resist external rain, groundwater leakage of a flexible building materials product.

1. Good water resistance, impervious to water
2. Temperature resistance up to 100 degrees without deformation, excellent weather resistance
3. Excellent mechanical strength and can withstand a certain load
4. Good low temperature flexibility, easy construction, no brittle crack





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Join the On-site Activities of CHINAPLAS for Unbounded Exchange

Business Matching for Overseas Buyers

Unlocking Networking Opportunities



CHINAPLAS is set to host business matching sessions not only catering to both local end-users and international buyers spanning automotive, packaging, medical, electronic appliances, construction, and other dynamic sectors.

The business matching will facilitate direct communication and in-depth discussion between overseas buyers and suppliers, and will enable buyers find precise solutions addressing their production needs.

For sourcing needs/enquiry:
buyer@adsale.com.hk

CHINAPLAS LIVE

*Revealing new innovations and industry hot topics.
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Receive firsthand information on plastics and rubber technologies from "Technology Close-up," "Leaders Interview," "Activity Highlights," and "Thematic Tour." CHINAPLAS LIVE, the official live streaming channel dedicated to bringing you the essence of the exhibition. Your journey into innovation starts here!

Discover more by visiting CHINAPLAS website:
www.ChinaplasOnline.com/Live



5th Edition

CHINAPLAS x CPRJ

Plastics Recycling and Circular Economy Conference and Showcase

 2024.4.22

 Shanghai Hotel
(To be confirmed)

KEY THEMES:

- Plastic Recycling and Fashion Trends
- Recycling and New Plastics Economy
- Industrial Linkage and Low Carbon in All Fields



Target Audience:



Key Takeaways:

- Latest global trends of circular economy for plastics
- Analyzing environmental protection policies
- Low-carbon innovation case studies

Partial Speakers:


Audia, Avian, Covestro, Dow, Fu Chun Shin (FCS), Huasu, LyondellBasell, RE-MALL, SHANGHAI AUSELL, and more...

Registration/
More Event Details



WORLD TRENDS AND PLASTICS AND RUBBER TECHNOLOGY SUMMIT

For Business, Advancement and Sustainability

 2024.4.23-25

 National Convention Center (Shanghai)
South Hall

DISCUSSION TOPICS

- The Global Plastics & Rubber Industries: Megatrends, Opportunities & Challenges (23 April)
- Digitalization for Industrial Transformation and Sustainability (24 April)
- Innovative Technology for Electric Vehicles (25 April)
- Innovative Technology for Green Energy and Transportation (25 April)



Market Insights



Technology Solutions



Industry Networking

Registration/
More Event Details



Organizer:

Co-organizers:

Supporters:



Trends Shaping Concurrent Events

Tech Talk

Unveiling 30+ first launched technologies of global suppliers on site, giving you new ideas on product enhancement and development.

5 HOT TOPICS:

- Advanced Packaging Solutions
- Eco-friendly Solutions
- 3D Printing
- Automotive Plastics Solutions
- 2024 New Materials

 2024.4.23-24 | 10:30-16:30

 Hall 2.2, Booth G106



Medical Plastics Connect

To tackle challenges and meet higher customer expectations, manufacturers of medical devices, disposables and pharmaceutical packaging are constantly looking for advancing technology and safety standards in production. Join industry leaders at this event to explore top-notch medical plastics solutions, including **innovative materials, precision processing technologies, and sustainable practices**. Connect directly with experts for a holistic perspective on the topics.

 2024.4.23-26 | 10:00-16:30

 National Convention Center (Shanghai), North Hall

 Meeting Room 501, 601, 602, Southwest Footpath at Mezzanine Floor



Product Innovation Gallery

Facing challenges in new product development or material sourcing? Eager to swiftly comprehend the innovative manufacturing technology driving these products? The Product Innovation Gallery is a wellspring of inspiration. The expansive exhibition wall, themed "From Products to Technology. From Technology to Products" showcases 100+ unique products, sparking ideas and guiding you to find suitable tech suppliers.

 2024.4.23-26

 Hall 2.1, 4.1, 5.1, 8.1, 1.2, 6.2, 7.2



The 2nd HKMDC Advanced Molding & Innovative Technology Symposium

In collaboration with the Hong Kong Mould and Die Council for the second time, this platform offers an invaluable opportunity to "explore CHINAPLAS from the unique perspective of molding industries". It enables you to get swift understanding of cutting-edge molding technologies and molding development trends through industry specific application cases.

 2024.4.25 | 10:30-13:00

 Hall 2.2, Booth G106



The Innovation of Injection Molding Forum

The Forum is your gateway to connect with leading molding suppliers worldwide. We will highlight cutting-edge solutions and injection molding application technology from carefully selected high-quality suppliers. An unmissable opportunity for professionals in plastics application industries such as medical, automotive, packaging, electronics & electric.

 2024.4.25 | 13:30-16:30


 Hall 2.2, Booth G106

Applications in Focus

Stay abreast of the latest updates on applications of specific plastics and rubber technology. Join our experts from end-user markets, universities and research centers, in a series of 10 thematic forums that cover over 60 hot topics!

Topics: photoelectric cables, circular economy, low-carbon energy, medical sterilization packaging, integrated biomedical engineering, ready-meal packaging, green packaging, automobile safety, etc.

 2024.4.25 | 09:00-17:00

 Meeting Room, Southeast Footpath at Mezzanine Floor



Market Insights Hub

Welcome to Market Insights Hub! In today's dynamic business landscape, staying ahead means anticipating trends and embracing a multi-dimensional perspective. Join us on Day 4 as we delve into the heartbeat of global markets, exploring hot topics such as **consumer market trends, overseas strategies, environmental friendliness, cost reduction and efficiency improvement, talent strategies, and CMF product design trends** to inspire your next business venture!

 2024.4.26 | 10:00 -12:30

 Forum: Meeting Rooms at Mezzanine Floor

 Development Day for Campus Elites: Hall 2.2, Booth G106



More Details
www.chinaplasonline.com/EventOverview

Preparing for Your CHINAPLAS Journey



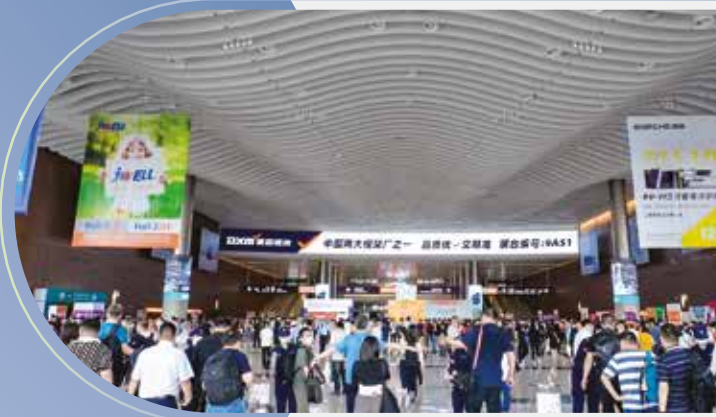
1

Pre-registration for Optimal Visiting

- Take advantage of the Early Bird Discount: Enjoy a discount for an admission ticket at RMB 50 or USD 7.5
- Streamlined On-site Admission Procedure to Save Your Time: Obtain your Visitor eBadge (for local visitors)/Confirmation Letter (for overseas visitors) in advance



Pre-registration Deadline
April 17, 2024 17:00 (GMT+8:00)



2

Accelerate Your Success: The CHINAPLAS Experience



Explore the game-changing opportunities at CHINAPLAS over four days. Uncover cutting-edge solutions and participate in our rewarding concurrent events. Have you discussed the positive takeaways of show visit with your supervisor? To help you articulate a compelling case for your attendance, we've prepared a permission letter for your presentation.



3

Visa Application Essentials: Ready, Set, Go!



Secure your CHINAPLAS invitation letter for visa applications with ease – simply scan the QR code!



4 Tips for Adapting to China's Cashless Economy

Enhance your travel experience: link your credit cards for mobile payments with WeChat and Alipay in China!

- WeChat Pay and Alipay extend reach: now accepting overseas visa and Mastercard for seamless transactions
- Alipay+ Cross-border mobile payment ecosystem welcomes 10 Asian e-wallets to the Chinese Mainland!

With the "Alipay+-in-China" (A+China) Program, users of leading mobile wallets in Malaysia, Mongolia, Singapore, South Korea, Thailand, Hong Kong SAR, and Macao SAR can now use their home e-wallets in China!



Step By Step Guide



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5

Overcoming language barriers made easy!

Download local translation apps to bridge the communication gap!



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- Includes authoritative Oxford and Collins dictionaries



UDictionary

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6

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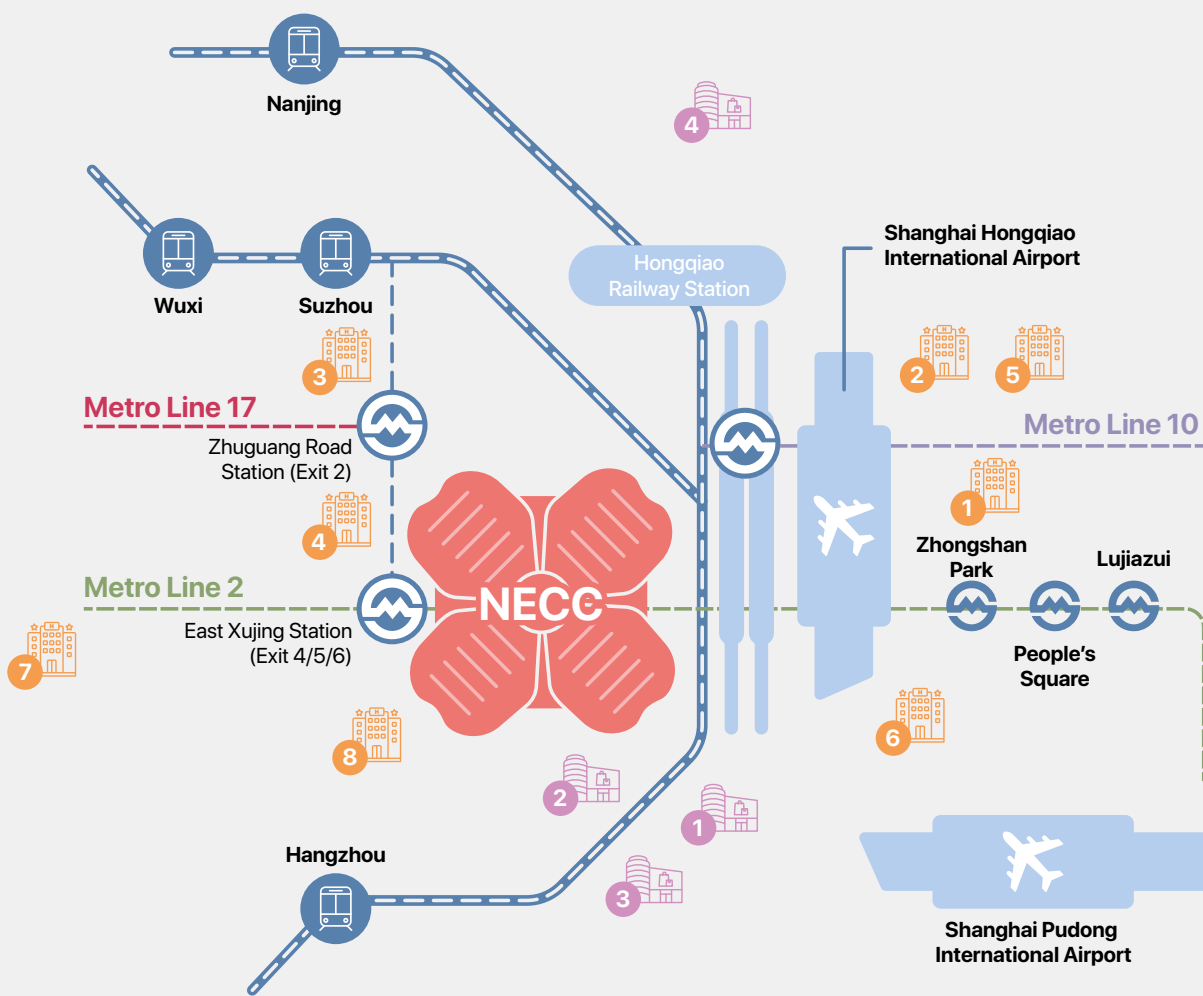
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- Hotels near NECC, the nearest is only 10 mins drive away
- Free shuttle bus services by official travel agents



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Recommended Hotels (Partial list)

1. Xiangyuan Hilton Hotel Shanghai Hongqiao
2. Shanghai Jiantao Novotel Hotel
3. Radisson Hotel Shanghai Baolong
4. Shanghai Ruiting West Suburb S Hotel
5. HUALUXE Shanghai Changfeng Park
6. MaxX by STEIGENBERGER Shanghai Hongqiao
7. Pullman Shanghai Qingpu Excellence
8. Holiday Inn Shanghai Hongqiao West



Shopping Malls

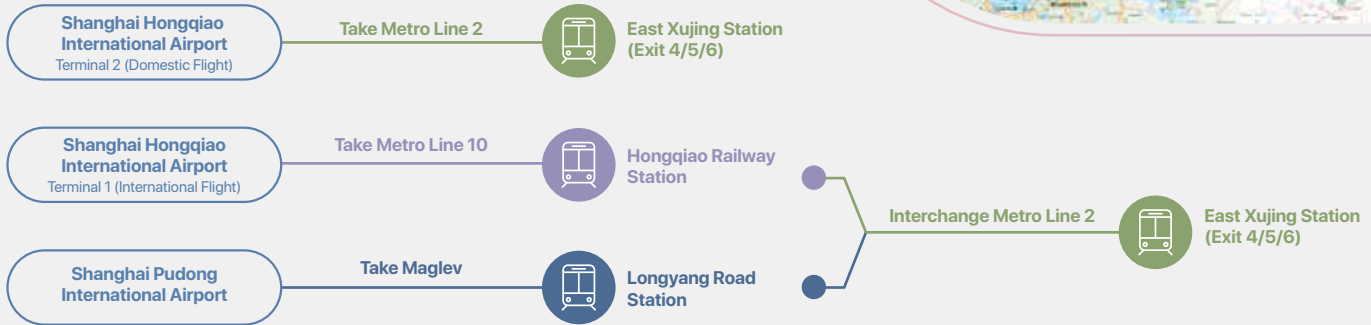
1. THE HUB
2. Longfor Shanghai Hongqiao Paradise Walk
3. Hongqiao Hub Skywalk
4. Macrolink Shopping Mall

8

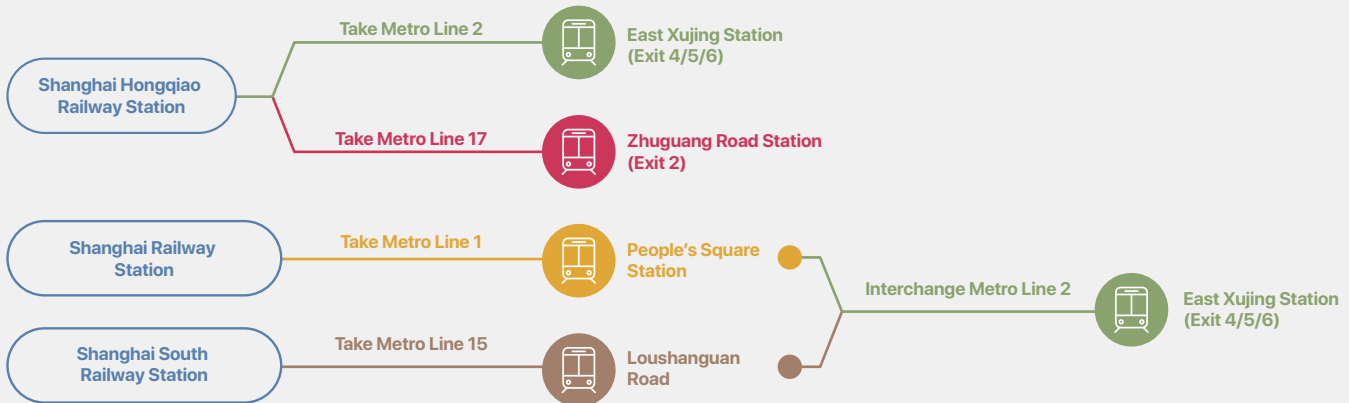
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