

Chinaplas

国际橡塑展

**SHOW
PREVIEW**

**Innovative Technologies
to Usher in a Smarter
and Greener Future**



**Shenzhen World Exhibition &
Convention Center**

(No.1 Zhancheng Road, Fuhai Street, Bao'an District,
Shenzhen, Guangdong, China)

**20
23**

**4·17
4·20**



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ADMISSION DISCOUNT**

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Booth No.

12A41



15F41



15K31



HIGH PERFORMANCE POLYMERS

17A101

INNOVATIVE PLASTICS AND RUBBER TECHNOLOGIES TO USHER IN A SMARTER AND GREENER FUTURE

Industry under One Roof

380,000
sqm exhibition area

3,900+
international exhibitors

3,800+
machine exhibits

1,200+
material suppliers

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- 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

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Thematic events to build strength and broaden horizons

- › SciXplore Forum
- › Tech Talk
- › Professionalization, Refinement, Specialization and Innovation Shining Stars in Plastics and Rubber Industries
- › Plastics Recycling & Circular Economy Conference and Showcase
- › Design x Innovation
- › Applications in Focus
- › Market Insights Hub
- › Sustainability Resonator

In CHINAPLAS, you can find

- Plastics and rubber technology suppliers from over 40 countries and regions.
- Diversified bio-based, degradable and renewable materials, covering various industrial applications from general-purpose to high-performance, injecting new impetus into sustainable development.
- Green production equipment, compatible with new environment-friendly materials, effectively boosting energy conservation and carbon emission reduction.
- Practical smart factory solutions, covering the management of energy consumption, emission, production, quality inspection, logistics and warehousing.
- Innovative materials and processes, help improve the value of finished products by enhancing product appearance.
- Upgraded production technology to enable high-precision production with small batches.

For more information and visitor pre-registration:
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Breakthroughs in Plastics and Rubber Technologies

EMPOWER INNOVATIVE APPLICATIONS

ELECTRONICS & ELECTRIC APPLIANCES

The accelerated global digitalization process and strong market demand for automotive electronics and AR/VR, electronic components keep getting smaller, thinner and with higher functionality. The quality and process level of various halogen-free flame retardant, conductive/antistatic, high thermal conductivity and other engineering materials are crucial to the performance of components, as well as the end products.

- ① Precision molding and smart manufacturing technologies
- ② Functional and carbon-fiber reinforced materials
- ③ Lightweight solutions
- ④ Circular material and sustainable solutions



MEDICAL & HEALTHCARE

The normalization of pandemic prevention and control, plus the growing awareness of health have expedited the upgrading of the medical industry and product innovation. From biocompatible materials to medical-grade functional materials, from precision manufacturing to intelligent manufacturing, as well as high-precision, personalized and independent medical and health solutions will become the main development focuses of healthcare solutions.

- ① Sterilization and chemical resistant materials
- ② Antibacterial and biocompatible materials
- ③ High precision and LSR injection molding, 3D printing
- ④ Automated inspection



PACKAGING

Plastics, which are colorful, lightweight, and collision-resistant, are widely used in the packaging of food and beverages, ready-made meals, daily chemicals and e-commerce logistics. Apart from favorable appearance and practicability, plastic packaging in line with the low-carbon and sustainable development are preferred from the consumers.

- ① Single material lamination to facilitate recycling
- ② Biodegradable material
- ③ High barrier food grade material
- ④ Customization
- ⑤ Smart and integrated packaging equipment



AUTOMOTIVE

Smart cabin and the interactive interface of the vehicle, have been heralded the breakthrough of intelligent products for automotive industry. Surface finishing processes such as IMD/INS, plastics and rubber with strong, light permeability, conductivity and durability are engaged in a joint endeavor to realize the refined styling of vehicles.

- ① Advanced lightweight solutions: carbon fiber, SMC, micro-foaming technologies
- ② Heat resistant and flame retardant materials for EV battery
- ③ Smart surface technologies: IMD/INS/TOM, etc.
- ④ 3D printing and smart manufacturing equipment
- ⑤ Hydrolysis resistant and high dielectric materials



SPORTS & LEISURE

High performance engineering plastics, TPE and composite materials are able to effectively improve the appearance and performance of the sport equipment, such as cushioning performance and strength, making the equipment safer, more comfortable and durable while achieving weight savings and greater design freedom.

- ① Soundproof and impact resistant materials
- ② Antibacterial and lightweight materials
- ③ PCR and sustainable materials for sports goods
- ④ Products with rich variety of colour and texture



BUILDING MATERIALS

Plastics have various applications in the green building market. Not only can they effectively replace traditional building materials such as steel and wood, but also help achieve energy-saving and environmental friendly design, as well as improve building functions and quality.

- ① New PPR materials / technologies and antibacterial materials such as SMC
- ② New inspection equipment (Inspection of quality, compression resistance, elongation at fracture, etc.)
- ③ Materials with decorative functions
- ④ New waterproof, flame retardant and thermal insulation materials



Venue Layout Plan

ABOUT SHENZHEN

Shenzhen, known as the "Silicon Valley of China", accommodates many well-known high-tech companies. It is an important R&D and manufacturing base of advanced technology in China and the core engine of Greater Bay Area development. It is blooming into the hub of innovation with global influence.

WORLD-CLASS EXHIBITION VENUE SHENZHEN WORLD EXHIBITION AND CONVENTION CENTER

(No.1 Zhancheng Road, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China)

- Equipped with advanced and well-designed meeting and catering facilities
- Convenient transportation and high accessibility
- Easy to navigate: 19 exhibition halls and one conference center located on the ground floor



Machinery Halls

- 3D Tech Zone **7**
- Auxiliary & Testing Equipment Zone **13**
- Extrusion Machinery Zone (Profile, Pipe & Tube Making Machines) **6,8,10**
- Extrusion Machinery Zone (Sheet & Plate Making Machines, Compounding Machines) **4,5,10**
- Film Tech Zone **3,10**
- Injection Molding Solutions Zone **7,9,10**
- Injection Molding & Smart Manufacturing Solutions Zone **11,12**
- Plastic Packaging Machinery Zone (Flexible Packaging Machines) **1,2,3,10**
- Plastic Packaging Machinery Zone (Blow Molding & Thermoforming Machines) **2,4,10**
- Recycling Tech Zone **6,10**
- Rubber Machinery Zone **8**

Country/Region Pavilions

- Austria **10**
- France **10**
- Germany **10**
- Italy **10**
- Japan **9**
- Switzerland **10**
- UK **10**
- USA **10**
- Taiwan Region **7**

Chemicals & Raw Materials Halls

- Additives Zone **13,15**
- Antibacterial Additives & Microbial Control Zone **15**
- Bioplastics Zone **20**
- Chemicals & Raw Materials Zone **14,16,17**
- Colour Pigment & Masterbatch Zone **14**
- Composites & High Performance Materials Zone **17**
- Eco-friendly Additives Zone **13**
- Nano & Micro Additives Zone **15**
- Recycled Plastics Zone **16**
- Thermoplastic Elastomers & Rubber Zone **17**
- Trade Services Zone **13**

Innovative Products

Innovative Products Zone
(Functional Film Products, High Performance Products, Eco-friendly Products) **20**

Legend

- Visitor Registration
- Local Delegation Reception Counter
- Overseas Delegation Registration Counter
- Taxi
- Metro Station (Line 12 / 20)
- Car Park
- Basement Car Park Zones
- Hall Number
- Venue Gate No.
- Design x Innovation Gallery
- Design Forum
- Tech Talk
- Professionalization, Refinement, Specialization & Innovation, Shining Stars in Plastics & Rubber Industries
- Development Day for Campus Elites
- Applications in Focus
- Market Insights Hub
- Sustainability Resonator
- SciXplore Forum
- Gift @ South Entrance

Injection Molding Machines

The rising energy price makes energy-saving equipment an alternative solution to cope with such a pain point. Industry 4.0 and the IoT technology enable and enhance the efficiency of injection molding machines, while optimizing costs. All these have contributed to efficient, intelligent and transparent management.

TMI Series Injection Molding Machine GUANGDONG TOPSTAR TECHNOLOGY CO., LTD.

11G31    

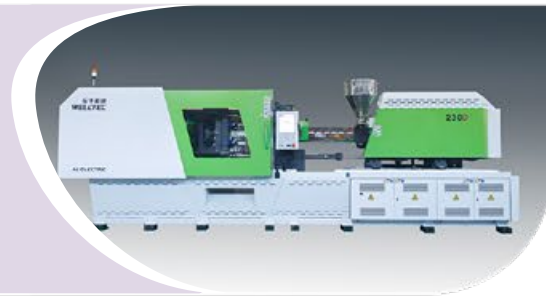


The injection molding machine has the ability to mold dense plastic products with complex appearance, precise dimensions or metal inserts in one go. Product features: enhanced configuration, powerful and efficient; optimised design, stable and easy to use; highly integrated, energy-saving and reliable, precise and efficient.

D Series All-Electric Injection Moulding Machine WELLTEC MACHINERY LTD.

12A31 

D Series All-Electric Machine has ultra large opening stroke and tie bars, which can be adapted to a variety of mould. High-rigidity clamping unit design. Innovative injection unit design to make sure the deformation within 0.05mm. With integration of display and control. Friendly interactive interface, real-time oscilloscope display and visual programming language. Unified power supply unit with common DC link busbar design and multi-point transmission can greatly reduce the loss of electricity and achieve 5%-30% energy saving efficiency.



SmartPower25-400t WITTMANN BATTENFELD (SHANGHAI) CO., LTD.

11F41   



Servo-hydraulic injection molding machines from the SmartPower series with clamping forces of 25 ~ 400t are highly compact and with outstanding stability, which are available with multiple high-precision injection units. Features such as the drive-on-demand drive system and the patented KE RS energy recovery system, and user-friendly UNILOG B8 control system with integrated assistance systems are provided as standard. The ergo nominally optimized clamping system obviously shortens the mold changing time. In its basic version, the production cell integrates a parts handling system, a conveyor belt for parts transport and a protective housing firmly connected with the machine.

NEX220IVT-50E Electric Type High-Performance Injection Molding Machines NISSEI PLASTIC (TAICANG) CO., LTD.

19A31    

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.



Vertical LSR Injection Molding Machine

GUANGZHOU TIANYUAN SILICONE MACHINE TECHNOLOGY CO., LTD.

18J01



Characteristics:

1. The volume type of quantitative cylinder realizes 1:1 accurate feeding of glue A and B.
2. TYM color slurry pump, with an accuracy of 0.01g, to achieve color stability.
3. Dynamic mixer to mix the materials more thoroughly and save materials.
4. Self-developed direct pressure injection barrel, featured by high precision, speed and stability, also easy to clean.
5. Integrated design on LSR machine-one control panel and easy to operate.
6. Double sliding board to boost efficiency



NEO M1120s Opposite Injection IMM with Horizontal Rotary Turntable

TEDERIC MACHINERY CO., LTD.

12C41



Solution Highlights:

1. Moulding at reduced pressure, which reduces the internal stresses within optical parts, lowers manufacturing costs.
2. The position and force of each tie bar is independently controlled.
3. During injection compression (Coinsure), tie bar positional accuracy is as high as 0.01mm static.
4. Produced products advantages: lighter than glass, with a 40% weight reduction.



An ENGEL e-mac 280 Machine Producing 64 Cavities of PET Blood Collective Tube

ENGEL MACHINERY (SHANGHAI) CO., LTD.

11J41



An ENGEL e-mac 280 producing 64 cavities of PET blood collective tube, ENGEL will provide you with an update on new trends and technologies in the medical industry. e-mac features: 1. Maximum output with smallest footprint 2. Wide scope of individual options available 3. Large tie-bar spacing 4. iQ products ready 5. Intelligent and compact integrated servo-hydraulic available 6. New all- electric injection units for maximum flexibility for customers



MH Series Multiple Injection Moulding Machine

BOLE INTELLIGENT EQUIPMENT STOCK CO., LTD.

11J31



Large servo turntable system: With wide plate design, the mold has large volume and a wide range of applications, meets any specific needs.

Diversified mobility: Mold center distance can be adjusted and moved in a variety of ways. Shooting table can be added for producing three-color products.

Break-res tie-bar: With integral structure and large-radius fillet during high-pressure piston and tie-bar, assures the stability of long-time running.

Linear guide in clamping unit: Supported by linear guide with high accuracy and intensity, the friction of the linear guide is low.



Extruders & Extrusion Lines

In the context of sustainability boom, it becomes an unavoidable trend to adopt recycled materials with various characteristics. This is accompanied by complex extrusion technologies to process coloured compounds with additives. Furthermore, energy efficiency is a constant topic for extruders.



Super High Speed PVC Pipe Extruder Production Line TONGDA PLASTIC MACHINERY CO., LTD.

18P41



The latest independent research and development of super high speed PVC pipe production line, once launched, with energy saving (electricity, water, gas, manual, covers an area savings) and high output (≥ 20 tons/day), which help to reduce cost for producing each ton of pipe. So as to gain more market share with competitive price.

Spunbond & Meltblown Nonwoven Production Line ZHEJIANG CL NONWOVEN MACHINERY CO., LTD.

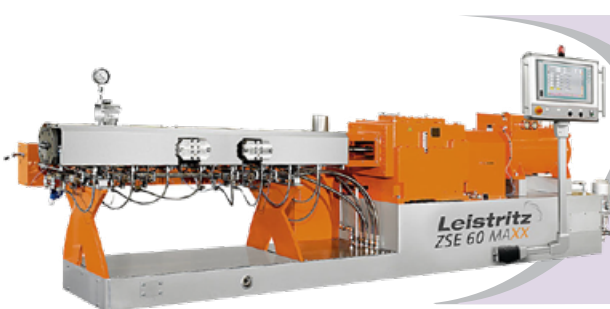
15D07

Combining the spunbond and meltblown technologies in one line. With up to five spin positions, can produce especially light nonwoven weighing 8g/sqm at speeds of up to 800m/min. Produced nonwoven could be used in fields such as hygiene, medical, geotextiles, structural engineering, agriculture, automotive, furniture, packaging, work protection, filtration, and so on.



Twin Screw Extrusion LEISTRITZ MACHINERY (TAICANG) CO., LTD.

110S41

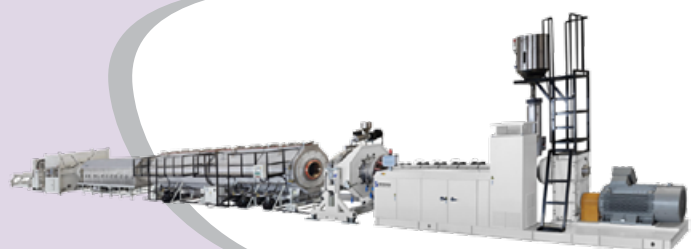


The twin screw extruders from Leistriz convince with their compact and well thought-out construction, effective cooling and heating technology, high quality and energy efficient drives. Alongside a modular barrel system, Leistriz offers a comprehensive system of various screw elements which offer great options for variation.

HDPE Extrusion Line GUANGDONG BAST EXTRUTECH CO., LTD.

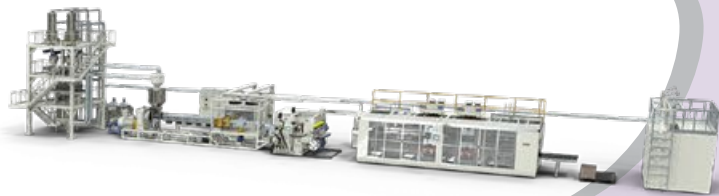
18P21

1. HDPE pipe extrusion line, pipe size 4-1600mm.
2. PPR/PERT/PB pipe high-speed extrusion line with max speed 100m/min.
3. Multi-layer pipe extrusion line.
4. PVC profile and pipe extrusion line.



Extruder Connected with Thermoformer
SHANTOU DESIGNER PRECISE MACHINERY CO., LTD.

15F21  



1. The automatic cups production line contains automatic feeding system, extruder, thermoforming machine, stacker, recycling crusher.
2. Extruder and roller are all using speed inverter. Thermoforming machine uses four pole structure.
3. Synchronization control the sheet line speed and molding sending speed.

The HPE Extruder – Small Footprint and Fast Delivery
DAVIS-STANDARD, LLC

10R39 

Features:

Standard exemplifies processor demands with a small footprint, performance features, and a fast delivery for co-extrusion and multilayer applications. This extruder is available in sizes ranging from 3/4 inch (19mm) to 1 3/4 inches (44mm), utilizes a direct coupled motor, and has a smaller footprint for close proximity to the common die.



STS Mc¹¹ Compounder
COPERION GMBH

10K31  

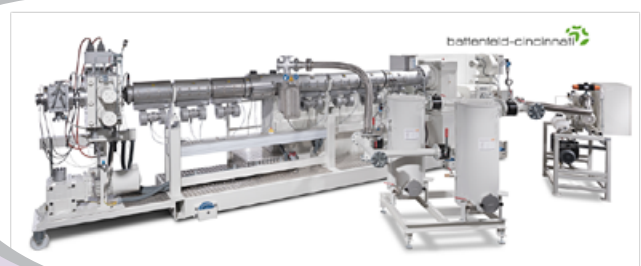


With its specific torque of 11.3 Nm/cm³ STS Mc¹¹ compounders sets new standards: it features up to 27% higher throughput rates than the preceding model, while the higher degree of screw fill results in a decrease of melt temperature, thus improving compound quality. It incorporates the full process and quality know-how of Coperion. To improve cleaning and facilitate quick changeovers for masterbatch applications, the STS twin screw extruder also features new hoppers with inserts and a redesigned die head. The new, optimized base frame withstands torsion under maximum stress.

Starextruder for The Production of Pet Sheet
BATTENFELD-CININNATI (FOSHAN) EXTRUSION SYSTEMS LTD

18F41   

For material of A-PET/G-PET/r-PET/PL PS, regrind up to 70%. Integrated automation system of BCtouch UX for film or sheet extrusion lines. High vacuum system for venting of PET 800 to 1200 kg/h.



Blow Molding & Thermoforming Machines

Under the backdrop of global plastic ban, innovative blow molding machines are committed to reducing the weight of finished products with wide usage of PCR materials. The new generation of blow molding machines can realize more flexible production by shortening the time of mold change and color change.



Ht-Z7160 Multifunctional Positive and Negative Pressure All-In-One Machine

DONGGUAN HONGSHENG MACHINERY TECHNOLOGY CO., LTD.

14A21



PIC automatically works with servo system to deliver efficient and accurate production, achieving energy efficiency, stable and durable, mold installed quickly. Automatic positioning mold price is low, saves mechanical labor, stable operation, and reasonable structure of mechanical equipment, with simple structure and easy maintenance. Suitable for HIPS, PS, PP, PVC, PETA, PETG plastic sheet forming, processing high transparent, high tensile, shallow tensile, round, square, irregular, and other products.

MFC9070 3 Stations Pressure & Vacuum Forming Machine

SHANTOU MENGXING PACKAGE MACHINE CO., LTD.

14J31



1. All working actions are controlled by PLC.
2. Pressure And/Or Vacuum forming.
3. Up and down mold forming method.
4. Servo motor feeding.
5. Heater with intellectual temperature control system.
6. Forming and cutting unit mold open and close controlled by servo motor.
7. Can store 120 set of running data.
8. Stacking type: downward stacking/Robot Stacking.



Revolutionary AL Series Injection Stretch-blow Molding Machines

AOKI TECHNICAL (FOSHAN) LABORATORY, INC.

14F41



The exploitation of AL series injection stretch-blow molding machines have led the container forming process stepping into the revolutionary development. Overwhelming high-speed forming period, the plasticity and flexibility of mass-producing varies raw material changed the criteria of choosing machine model has ever been. Not only lower the cost of the first investment in machine mold, but also substantially lower the production costs.



High Cycle and Labor Saving ~ DEBUT of New GS Next Generation

ASANO LABORATORIES CO., LTD.

14J41



Compared to the existing GS machines, the new GS models have the following features. *Feed speed 3,000 mm/s (1.5 times that of conventional model) *Table speed Max.1,000 mm/s or more (1.2 times the conventional speed) *Mold clamping force 650kN (corresponding to compressed air pressure 0.6MPa) *Rail width adjustment speed 5 times compared to the conventional *Table shut height movement speed twice as fast as before *Improved accessibility of the mold exchange trolley *Common use of speed reducers for upper and lower tables In this exhibition, we will demonstrate the molding of the new generation GS machine, so stay tuned.





Tornado Electric EBM Machine
GUANG DONG LESHAN INTELLIGENT EQUIPMENT CO., LTD.

12F41 



The machine is specially designed for highly-efficient production of small bottles. Machine is small and exquisite, swift, stable, and with accurate temperature control, low energy-consumption, is also highly-automatic. With high-efficient color changing, meets requirements of advanced bottles swift craft, stable and accurate movement driven by servo-motor, the repetition accuracy is up to 0.01mm. Full computer control, automatic process parameter optimisation and fault diagnosis, high control accuracy, ensuring reliable and safe operation of the machine and equipment.



PET Fully Electric Stretch Blow Moulding Machine
QUINKO (FUJIAN) MACHINERY INDUSTRIAL CO., LTD.

12H31    

The output and max container volume for CSS6 can be up to 18000 bottles per hour and 0.7L. It can apply to water and carbonated drink bottles. Machine is fully-electric mechanism to ensure high-speed operation and precise locating. This machine is with lower energy consumption, lower wearing and pollution.



Single Stage Injection Stretch Blow Molding (ISBM) Machine
LIUZHOU JINGYE MACHINERY CO., LTD.

12J41   



This technology has obtained a utility model patent. Features:

1. Three stations: 1) Injection to make preform; 2) Stretch & blow to make bottles; 3) Eject.
2. For production of various high-quality bottles, such as cosmetic bottles, pharmaceutical bottles, etc.
3. Suitable material includes PP, PC, PPSU, PET, PETG, PCTG, SK ECOZEN T110 PLUS, etc.
4. Injection stretch-blow process conditions are more friendly.
5. Mold temperature is low to avoid problems.

XTRA Rotary Blowing System
SIPA MACHINERY HANGZHOU CO., LTD.

11P51   

XTRA is a concentrate of technology, but most important of benefits: the highest bhc output in the industry, the widest active process angle, energy saving across the board, extreme user-friendly plus a totally open system. This perfect combination of performance, speed, quality levels and saving leads to a reduction in Total Cost of Ownership. XTRA is the development of PET blow moulders in every respect.



Film & Bag Making Technology

TPE films are now applied to a large number of automotives, sportswear and medical products. Newly launched automated film making machines can realize dual material production with TPU and TPE, as well as bigger cost saving. Meanwhile, rise of electric bicycles has driven the demand for capacitive films and functional films.

Fully Automatic High Speed Stretch Film Line (Double Four-Shaft Eight-Station Winding System) XINLE HUABAO PLASTIC MACHINERY CO., LTD.

15J11  



Compared with the traditional machine, the obvious differences are:

1. Can directly save 5%-10% of the cost.
2. Can reach 500m/min for stable production, produces 7-layers stretch film.
3. Can produce 10um film with suitable raw materials.
4. Better process flow, extrusion system, heating control system and side material recycling method for better energy saving and consumption reduction.
5. More complete in terms of process flow.



Blown Film Machine MUL-PLUS MECHANICAL S&T CO., LTD.

13R31  

The exhibit is a three-layer co-extrusion blown film machine which the diameter of die head is $\phi 300\text{mm}$, the diameter of extruder screw is $\phi 65\text{mm} + \phi 75\text{mm} + \phi 65\text{mm}$, the width of wheel surface is 1600mm, maximum film width is 1500mm. It is equipped with non-contact online thickness scanner, automatic air ring system, automatic dosing system and automatic winders with central drive. The machine has the characteristics of high production capacity and low energy consumption.



Seven Layer Asymmetric Film Blowing Machine WENZHOU AOXIANG PACKAGING MACHINERY CO., LTD.

13F21 

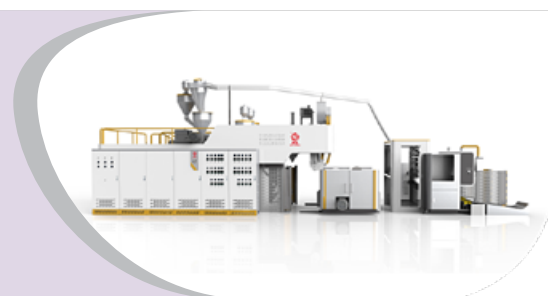


Seven layer asymmetric high barrier film can prevent gas penetration, such as oxygen, nitrogen, CO_2 and penetration of water vapor, protects the aroma and taste. Seven layer co-extrusion film blowing machine can compose a wide range of favorable materials, with the solution of low cost, multiple options, high efficiency side to catch the market demand.

Fully Automatic Intelligent Temperature Control Cast Film Line CHANGLONGXING SCIENCE & TECHNOLOGY (SHENZHEN) CO., LTD.

13A41 

1. Automatically adjusts temperature can effectively help to save more than 10% of energy.
2. Self-developed vacuum quick suction edge automatic recovery device, ultra-quiet.
3. Touch screen control, simple operation and more intelligent.
4. Can accurately control the extrusion pressure, improve film quality.
5. Finished product has good tensile properties, tear resistance and strong penetration resistance.



MASIM
MARCHANTE S.A.S.

110L43   



MASIM is a MARCHANTE patented technology for simultaneous biaxial stretching of films. It ensures better homogeneity of the molecular arrangement and the final thickness of the film after stretching, thus improving the film's properties for their final application. The new range of MASIM to be launched at CHINAPLAS consists of 2 different product types: the MASIM L model with a chain-clamp system redefined to achieve a stretching ratio of no more than 2; and the MASIM S model with a maximum mechanical synchronous stretching ratio of up to 12.

High-Speed, Three-Side-Seal, Automatic Pouch Making Machine
DALIAN TOTANI CORPORATION

11F41    

Machine with standing pouch and zipper seal unit, with 4 servo system: triple-servo for film feed drive, one-servo for heat sealer vertical drive. Maximum pouch making shot: 240 shot/min 4 row=960 bags/min (three-side-seal pouch making), 240 shot/min 2 row=480 bags/min stand seal bag making, 150 shot/min 2 row=300 bags/min (zipper seal bag making).



How MDO Technology from W&H Processes Monomaterial Films For Better Recyclability
WINDMOELLER & HOELSCHER

110H05   



PE-films processed with MDO technology fulfill the requirements of the downstream processes: Gloss, transparency and mechanical properties. MDO technology offers flexibility and quality for producers. All MDO roller temperatures and speeds are individually controllable. Adjustable stretching gap (5-60mm) during production for optimized film properties. Stretching rate can be set via stretching force or speed ratio. Despite the stiff nature of the film, a wide film with excellent flatness can be produced.

Simultaneous Stretching Film Production Line
ESOPP

110K55   

Simultaneous stretching film production line 6.6m or wider, 350 m/min, K POPET/ BOPA/ BOPI/LIBS WET/ LIBS DRY/ BOCPI. Suitable for commodity markets (FLEXSIM) and specialty markets (FLEXSIM+) Fully mechanical solution: simple, efficient, robust Stretching ratios adjustable during film production. Same energy consumption and maintenance requirements as sequential stretching.

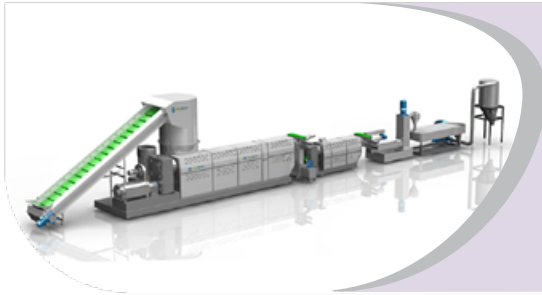


Recycling Machines

It is estimated that by 2040, the growth rate of closed-loop recycling will nearly double that of open-loop recycling. In order to achieve the goal of closed-loop recycling, the recycling machinery will continue to improve its filtering and sorting accuracy, reduce the output of filter residue and waste water, and improve the quality of recycled plastics, so as to promote wider application.

Agglomeration Pelletizing Line SUZHOU POLYTEC MACHINE CO., LTD.

16L55  

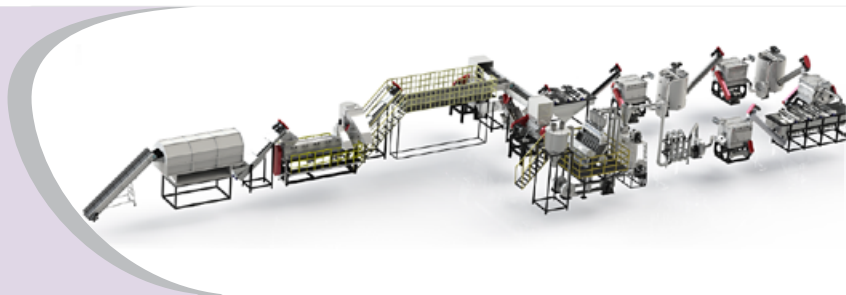


POLYTEC agglomeration compaction single screw extrusion granulation system, including feeding system, compaction agglomerator, high efficiency extruder, different types of filters and different types of modular design granulation unit. It is suitable for various low density materials, such as film, fiber, woven bag, washed plastic scraps, inhouse waste etc., including PE, PP, BOPP, PS, EPS, ABS, PET, PLA, etc.

Waste Plastic Washing and Pelletizing Line JIANGSU FANGSHENG MACHINERY CO., LTD.

16H51 

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.



PET Bottle to Bottle Recycling Pelletizing System ACERETECH MACHINERY CO., LTD.

16K41 



Thanks to the vacuum technology, the SSP IV increasing technology, and the pelletizing extruder specially made by Aceretech, the IV value of the final PET granules can meet the requirements, and this value can be stably maintained. It can maintain a stable IV value output for further downstream processing and molding, such as stretch blow molding, up to 100% bottle-to-bottle technology in new bottles.

PE/PP/PET WASHING RECYCLING LINE SUZHOU ZHONGSU REPROCESSING MACHINERY CO., LTD.

110Y19 

Systems is designed especially for PE PP films from various sources, including materials with high contamination levels, HDPE bottles. The final purpose is to get the high purity, low cost. The whole system included the procedures: Shredding/ Crushing, Washing, Dehydrator, Drying, Collecting etc. A typical PP PE washing plant is consisting of the following components: 1. Belt conveyor. 2. Shredder. 3. Crusher/Granulator. 4. High speed Friction washer (Scrub washing machine). 5. Deposit and float machine.



Granulators

ZERMA MACHINERY & RECYCLING TECHNOLOGY (SHANGHAI) CO., LTD.

110Q41



ZERMA offers an ideal solution for any application in plastic recycling. The heavy duty granulators with completely welded heavy steel construction is designed to withstand the most demanding and universal applications. Rotor bearings, knife mounts and rotor shaft are oversized. The standard V-cut creates a high quality regrind with a very low percentage of fines in the output material. The wide range of rotors and hopper styles allow the granulators to be tailored to almost every application in the plastic recycling field.

INTAREMA Regrindpro TVEplus ReFresher

EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GES.M.B.H

110D41



Odour-optimised premium recycled pellets directly from contaminated post consumer material? The efficient interplay of the innovative ReFresher technology with the proven INTAREMA TVEplus machine makes it possible. The unbeatable combination of top pellet quality and odour optimisation opens up completely new application opportunity for recycled plastics. The output is Food contact compliant PCR-HDPE pellets, suitable for different food packaging, e.g. milk and juice bottles, meat trays, etc. With up to 100 % PCR-HDPE content in the end product.



AUTOSORT

TOMRA SORTING TECHNOLOGY (XIAMEN) CO., LTD.

16A41



Combining cutting-edge features and sensor-based sorting technologies, TOMRA's new generation of AUTOSORT can be used across a vast range of material sorting applications, capable of separating materials which are difficult, or even impossible to separate using conventional technologies. Artificial Intelligence embedded in the new DEEP LAISER and GAIN technology enables the sorting of previously unsolvable applications and is prepared for the future market requirements.

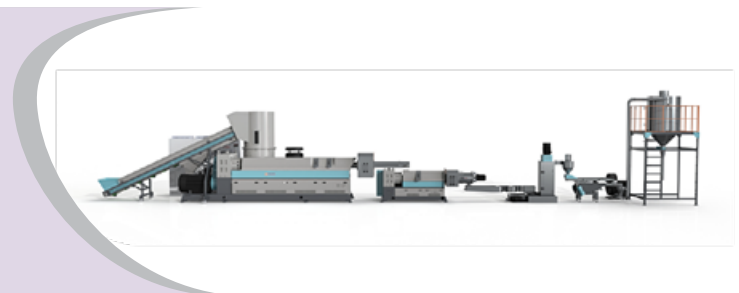
Three-in-one Film Recycling Extruder

GUANGDONG HUAXING PLASTIC MACHINERY CO., LTD.

16J41



This machine is special for the recycling and granulating of PE (LDPE, HDPE) film and PP film, PE film. It can deal with convey, crush and granulate altogether which save a lot of labor during the process. And the film will be heated when crushed which is good for the plasticity of the material and thus good for the quality of the final granule and the capacity.



Automation Equipment

In addition to continuous production, process monitoring, energy consumption management and quality control, smart factory is also capable of carbon emission reduction through cloud technology. This paves the way to low carbon manufacturing.

sCOLOR V MOTAN TAICANG CO., LTD.

11K41  



This dosing unit is used for dosing additives into a free-flowing material stream of a main component. This equipment saves space by being installed directly on the intake flange of the processing machine. The micro-processor control of the equipment can either be used for injection moulding applications or extrusion operation. The modern 7 graphic display visualizes the dosing rates and supports calibration. Dosing speed is calculated automatically according to the calibrated weight and the recipe. One control can operate one to two dosing modules and 16 user interface languages can be selected.

Complete Quick Mold Change Solution STAUBLI (HANGZHOU) MECHATRONIC CO., LTD.

11K31  

Integrating a series of products to realize the complete automation of the mold changing process. Including preheating station, automatic centralized energy connection system, double-station mold changing table, magnetic clamping system, Robot, Robotic tool changer, etc., it can shorten the mold changing time by more than 95%, and magnificently improve flexibility and economic efficiency of production.



SIMATIC T-CPU SIEMENS LTD., CHINA

12F21   



Higher productivity and product quality thanks to the backplane bus and shortest reaction times. PROFINET with deterministic time response ensure reproducibility and precision within. Motion Control task can be programmed directly in the controller, e.g. Controlled axes, positioning axes, gearing, camming improved speed. Cross-PLC synchronous operation -Implement various technology functions directly with I/O modules (e.g. PWM).



iVenture IMM Control System
NINGBO EST TECHNOLOGY CO., LTD.

112R41



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. The third generation of precision hydraulic control system declared the success of the research and development of iVenture system.

Redstone AC Servo Robot R700ID-S5
DONGGUAN ALFA AUTOMATION TECHNOLOGY LIMITED

111P41    

Features:

1. AC servo motor driven on 5 axis.
2. Vertical stroke:700mm.
3. Cross stroke:360mm, trave stroke:1500mm&1800mm.
4. 2 vacuum circuits +2 grippers.
5. Models can be applied to medical device, food package, cosmetic package and daily products and other industry.



Electric Quick Changer
GIMATIC AUTOMATION ENGINEERING (CHANGSHU)
CO., LTD.

111J63    



The EQC electric quick changer family is available for applications with automatic change of gripping element.
The system consists of an active part (side A) and a passive mechanical tool plate (side B).
The active part is usually connected to a robots wrist while one or more flange are connected to the interchangeable gripping elements.

Automation Equipment



High-Precision Multi-Component Weighing and Dosing System

DONGGUAN ENMAIR AUTOMATION MACHINERY CO., LTD.

111F11



Characteristics:

1. Equipped with a perfect combination of a full servo motor and a precision double-spiral screw.
2. With Enmair's new generation of ENM-Lnet advanced online ratio measurement and analysis software, the entire self-optimizing process control system ensures high-precision mixing output.
3. The maximum mixing capacity can reach 3000kg/h, and the accuracy error can be accurately controlled within $\pm 0.1\%$.
4. Equipped with USB interface and Ethernet for remote data connection. It is widely used in high-speed, multi-material mixing.



MATSUI QU-IoT Molding Factory Quality Management System

SHANGHAI MATSUI MACHINERY CO., LTD.

111C31



QU-IoT is short for Quality UP IoT. By adopting QU-IoT, quality and efficiency improved a lot, also strong support for function extension like production branches or production scale expansion. QU-IoT performs e management for molding, which helps to reduce the defective molding caused by size changes, deformation and strength reduction, thus realizes stable, high quality production of short molding cycle products. During 110 years of Matsui history, Matsui found out the factors effecting quality, efficiency, perform a real time monitoring by various means, thus realize molding in best conditions.



iPQ-Surface Surface Inspection System

BST CHINA

15K01



The system can continuously inspect web materials, and can be applied to a variety of materials, such as plastic film, metal foil, non-woven, paper and various lamination materials. System adopts hardware such as high-resolution linescan camera, high-definition lens and innovative multiple LED illumination, and cooperates with professional software technology and detection algorithm to conduct 100% inspection of materials in the production process, accurately detect and classify surface defects, and conduct subsequent processing such as alarm or report.



SUPER HEAVY FRAMES 3

GUANGZHOU SCANTECH ELECTRONIC MEASURING EQUIPMENT CO., LTD.

15K45



SUPER HEAVY FRAMES 3 is a multiple technologies combined scanner, for thickness, filler, and moisture measurement, as well as surface inspection. SCANTECH's scanning X-Ray on-line measurement system with 100% Surface Inspection: 1) Thickness and/or Weight Measurement for Film and Sheet. 2) Ability to measure & profile additives and fillers. 3) 100% Optical Inspection for visual defect: examples including carbons, gels, pinners, streaks, insects, dirt, etc. 4) MD Speed Control and Automatic Die Bolt Control optional. 5) Modern & Intuitive Flexscan6 software.



Preprocessing, Post-processing & Other Machines

The diversification of equipment enables the improvement of product quality in different ways, so as to enhance the value of final products and respond to market demand quickly.

Laser Plastic Welding LEISTER TECHNOLOGIES LTD.

11A51   



Innovative markets such as the automotive industry and medical technology are increasingly using laser welding of plastics. The advantages of laser welding are convincing: contact energy input, minimal thermal and mechanical component stress, simple joint geometry, contamination-free, optically perfect weld seam, high precision and strength.

Electrical Line Shaft Rotogravure Printing Machine ZHEJIANG DEGUANG MACHINERY CO., LTD.

1P45 

1. Electrical line shaft controlling system, driven by independent servo motor.
2. Horizontal and vertical automatic register, convenient for operation.
3. Independent external double station with automatic splicing function.
4. Equipped with ink transfer roller.
5. Convenient for ink exchange.
6. Ground exhaust and side exhaust can effectively recycle smelly air.
7. Different heating systems are optional.



Carbon Fiber Winder ATA IMS GUANGZHOU CO., LTD.

2P05   



Technical characteristics:

Suitable for high-yield production line, without wastes of carbon fiber in the process of auto change-over.

Achieves precise winding through randomly changing winding parameters and patterns accordingly.

It can be set randomly, benefits to the winding of big spindle with the perfect shape and without the fallen yarn.

Can be adjusted online through the uniform setting on man-machine interface. The tension is balanced and consistent with high precision.

Yarn feeding structure: special design of vertical yarn entrance.

IQ Power Static Neutralizing System SIMCO-ION CHINA

10R21   

The system provides the highest performance available with versatile, innovative configuration and simple installation options. Designed for the use in rugged industrial applications and leveraging many patented features, the IQ Power with sensor technology provides exceptional ionization performance. Configurable parameters allow the user to understand, monitor and control their static neutralization challenges. No complicated software to install or maintain. Balance control modes allow user to optimize the system to suit their application. The patented auto-tuned mode optimizes the system through live reading of current web conditions.



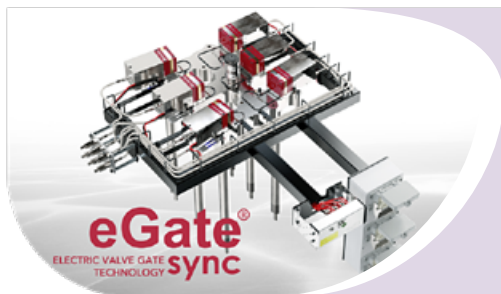
Molds, Dies & Componets

At present, whether from the perspective of performance or environmental protection, the lightweight production of automobile dies has become an inevitable trend. As the best lightweight choice for automobiles, carbon fiber composites have been widely used.

eGate sync

SYNVENTIVE MOLDING SOLUTIONS (SUZHOU) CO., LTD.

19G41



The next generation eGate gives precision molders far better options and delivers clean, quiet, and energy-efficient operation that is responsive, precise, and repeatable. eGate delivers complete pin movement control at each individual nozzle and offers outstanding performance, especially for sequential valve gated and family molding applications. The precise all-electric control of each valve pins position, speed, velocity, and stroke delivers greater application flexibility, balance, and pack control, in addition to warpage, part weight, and clamp force reduction. This control results in parts with superior appearances and better dimensional stability.

Extrusion Dies and Extrusion Feedblocks

CLOEREN INCORPORATED

Cloeren has developed the most innovative systems available through custom combinations of our patented Feedblocks, single manifold dies, multi-manifold dies and optional equipment. These systems have enabled clients to create new and unique photovoltaic films, cast films, barrier sheets, and many other products.

10A53



Silicone Face Mask

HONGRITA MOLD LTD.

17L35



Face masks are novel in design, convenient in use and practical. The facial sealing cover are made of Liquid silicon rubber material to prevent harmful gas from leaking into the mask. Through special design, the filter channel of horizontal filter chamber is extended to effectively filter PM2.5 fine dust and reduce the harm of air to human body.

SoftGate-Valve Pin Speed Control

INCOE HOTRUNNERS (SHANGHAI) CO., LTD.

19D41

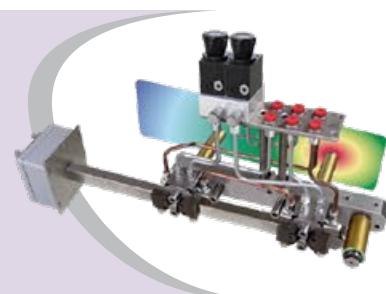


Key data:

1. Valve pin speed control for hydraulic valve gate systems.
2. For DF 12, DF 18 and DF 22 Series.
3. Can be retrofitted to existing systems.
4. Available in the following versions: a. SoftGate 3.2, full version; b. SoftGate 3.1, flow restrictor only.

Function:

1. Precise control of valve pin opening time.
2. Settings adjustable for each individual valve.
3. Possible SR range: 0.1 ... 4s.
4. Automatic operation, no controller needed.



General Plastics, Engineering Plastics & High Performance Materials

Aside from the continuous improvement in their heat resistance, flame retardancy and impact resistance among other aspects, plastic materials also meet the market demand for recycling, low-carbon, lightweight, antibacterial and other characteristics. Therefore, it's no surprise that they continue to shine in the application areas of new energy vehicles, packaging, intelligent products.

Pre-consumer Recycled & New Semi-Aromatic Polyamide RADICI PLASTICS (SUZHOU) CO., LTD.

17A101  



RADICI provides the fully recycled grade - HERAMID and partial recycled grade - RADILON (also for prime grade) with Environmental Product Declaration (EPD) certification, which also have got many end user approval including BMW/FORD/FCA/BOSCH/GM/Volvo. RADICI Group proposed ALL NEW semi-aromatic polyamide base product RADISTRONG AROMAit combines the mechanical, dimensional stability of PPA and the processability of PA66. And widely use in auto, consumer and water contact applications.

Plastic-Metal Bonding PPS TOSOH CORPORATION

16G63 

A grade that can be bonded firmly to metal without screws or adhesives by the injection molding of surface-treated metal. Even parts that are difficult to fully resinify can be partially resinified, contributing to high airtightness and weight savings.



Grivory HT6 High Heat EMS-GRIVORY ASIA

17D101      
    



Grivory HT6 is used whenever today's PPA or other high performance materials such as PPS or PEEK reach the limits of their mechanical loading. Product has the best creep strength among all the PPA's on the market. This material is characterized by its enormous long-term strength values at high loads and temperatures. A 165% higher creep modulus is achieved after 10,000 hours at 150 compared to traditional PPA's.



Long Fiber Reinforced Thermoplastics to Expand the Use of Resin to New Fields POLYPLASTICS (SHANGHAI) LTD.

17L71  

PLASTRON LFT is resin in which reinforcing fibers (glass and carbon fibers) of the same length are incorporated into resin pellets. As a material it has both rigidity and high impact strength that were unattainable with conventional fiber-reinforced resins, thus enabling its use in place of metals and fiber-reinforced plastics (FRPs) in a broader range of fields. This resin can help reducing weight from industrial products such as industrial-use pump housings and fitting parts of civil engineering pipes to various functional parts and structural members of cars and motorcycles.



General Plastics, Engineering Plastics & High Performance Materials

Sulfone Polymers

GUANGDONG YOUJU ADVANCED NEW MATERIALS CO., LTD.

16G83



Sulfone polymers are high-heat plastics with a clear advantage. These amorphous thermoplastics offer more toughness, strength and hydrolytic stability than other transparent plastics. They withstand prolonged exposure to water, chemicals and temperatures, handling a broad range of end-use temperature from -40 °C to 205 °C.

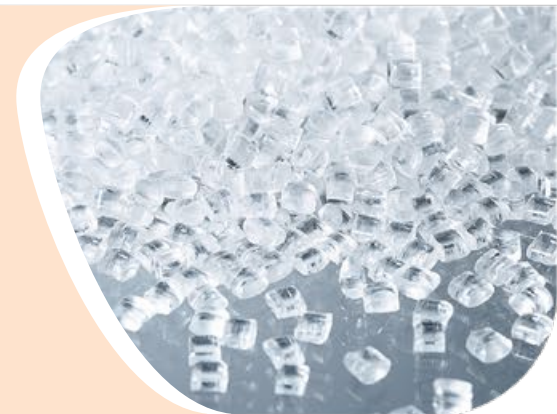
Biomass Derived Polycarbonate (PC)

TEIJIN KASEI (HK) LTD.

17K91



The product is made from biomass naphtha tracked with mass balance approach, and conventional PC resin using petroleum-derived feedstock. Under the mass balance approach, materials are verifiably tracked through complex value chains, such as biomass-derived feedstock being mixed with petroleum-derived feedstock to produce a new product. The newly certified biomass-based PC resins have the same physical properties as resins made from conventional petroleum-derived BPA and can be used in commercial applications such as automotive headlights and electronic components.



Rondo Recycled Plastic Materials

POLYKEMI COMPOUNDS (KUNSHAN) CO., LTD

17W41



The main products are included in REPRO range, which offers a standard assortment of recycled plastic materials based on PP, ABS, PBT, PA6, PA66 and PC / ABS. The REZYcom range give the possibility to offer customer adapted materials with a recycled raw material base for your specific application. This strong product range has developed into a fruitful and intensive cooperation with the parent company.

POLYACETAL (POM) with Excellent Stability and Durability KOREA POLYACETAL CO., LTD.

17J31     



1. Fatigue resistance, with long-term durability.
2. Resistance to creep, friction and wear.
3. Wide range of working temperature, with high tolerance to organic chemicals and alkalis.
4. Long-term dimensional stability, thermal stability and stronger resistance to alkalis than Homopolymer.
5. Low deposit on the mold surface during processing

Siloxane-PC SAMYANG ENGINEERING PLASTICS(SHANGHAI) CO., LTD.

17K55    

Si-PC (Siloxane PC) is superior to ordinary PC in terms of low temperature impact toughness and chemical resistance. It can be applied to 5G telecommunications, solar energy parts and charging components of new energy vehicles.



Health Care Grade PP and Materials for Medical Consumables FORMOSA CHEMICALS & FIBRE CORPORATION

17F41 



As part of the supply chain of the epidemic prevention industry, FORMOSA CHEMICALS & FIBRE CORPORATION(FCFC) not only provides materials for COVID-19 testing-related products but also serves application needs such as healthcare consumables. They include In Vitro Diagnostic Devices, Prefilled Syringes, and Cryovial tubes.

EAA, PRIMACOR™ SK GEO CENTRIC CO., LTD.

17D61 

As a specialty copolymer, EAA is widely used as an adhesive in a range of markets including flexible packaging, automotive, construction, wire and cable, and coatings. The EAA demand will be mainly led by the multi-layer packaging and aseptic packaging, which take about 75% of the entire EAA market.

Composites & Reinforcing Fibers

Composite materials are superior in their ultra-thinness, durability and impact resistance. Technological breakthroughs have also enabled structural parts made from composites to become more precise, complex and economical, expanding their applications in aerospace, automotive and biomedical industries.

AUSTONTMPPS S Series

JIANGSU ORIDA ADVANCED MATERIALS TECHNOLOGY CO., LTD.

117L121  



After around five years of development, a series of glass fiber reinforced, carbon fiber reinforced, low DK/DF, conductive antistatic, wear-resistant, high CTI value, graft toughening and high crystallization (low burr, easy molding) has been formed. They can be applied to automotive, E&E, aerospace, rail transportation, deep-sea equipment and many other industries. This series is one of the few domestic products with a full range of models and qualifications.

ECR-Glass Chopped Strands for Thermoplastics

JIANGSU CHANGHAI COMPOSITE MATERIALS HOLDING CO., LTD.

117J109    

Products (PP 108/PA 116A) are designed for reinforcing PP, PA, AS/ABS, PET, PBT POM, PPS and PC. They are mainly used in injection and compression molding processes.

Characteristics:

1. Silane type size.
2. Delivers good bonding between chopped strands and matrix resin.
3. Excellent integrity and dry flow ability, good mold ability and dispersion.
4. Excellent mechanical properties and surface condition.



High Temperature Resistant PPA

SUZHOU HEGENGLI PLASTIC TECHNOLOGY CO., LTD.

117G115    



1. The melting point is between 295-325 °C, and the thermal deformation temperature is between 280-290 °C.
2. Excellent resistance to fuels, lubricants and other oils, even at 150 °C
3. Excellent dimensional stability and low warpage.
4. Except for PA46, the water absorption is much lower than that of PA6 or PA66.
5. Suitable for long-term outdoor use under extreme weather conditions such as high UV radiation, high humidity and high temperature.
6. Product meets the EU standard for green materials.

CNT CONDUCTIVE SLURRY CP6051

QINDAO TAILIAN NEW MATERIALS CO.,LTD

117R105  

CP6051 is a water-based carbon nanotube conductive slurry, which is processed by a special process and has excellent uniformity and dispersion. Characteristics:

1. Dispersing uniformly and does not precipitate; easy to disperse and not agglomerate in an aqueous medium.
2. Excellent permeability and adsorption, effectively penetrates and adheres to the surface of fibers and other materials, does not drop powder.
3. Excellent conductivity: Small amount of addition can effectively reduce the surface resistivity of the material.



Bioplastics

Each member of the bioplastics family possess different properties. With the advancement of technologies, biodegradable plastics such as PLA, PBAT, and PHA become more similar to ordinary plastics in terms of performance and application, which paves the way to replacing non-degradable plastics.

Jinke Baiwokai Pipette Series

LIAONING JINKE PLASTIC TECHNOLOGY CO., LTD.

120F21   



Pipette series from PBS + PLA, through the twin-screw modified a compostable biodegradable material, mainly used for the production of -20 °C -100 °C pipette.



Compostable Resin

HENAN LONGDU TORISE BIOMATERIALS CO., LTD.

120W21 

Products are made from a combination of cornstarch, biodegradable ingredients and some proprietary elements, which result in the creation of the TRBF Series Resin. All above products have the international authorized certifications such as EN13432, OK Compost, OK Compost HOME, ASTM D6400, AS4736 and AS5810.



BEIANDE Bio-based Transparent Nylon

PING DING SHAN BEIANDE PLASTICIZING CO., LTD.

120F01   

This material has high transparency with amazing visual effect, high toughness, high resilience, high chemical resistance, UV resistance, hydrolysis resistance, light weight, good dimensional stability, and easy processing. It is a high-performance transparent nylon resin finally polymerized from castor oil through a series of chemical reactions. It doesn't contain BPA and BPS. Passed US FDA, Germany LFGB and China GB4806, as well as ROHS, SVHC and etc. The product has good self-cleaning properties, not easy to scratch, even still be transparent for repeatedly steam/ boiled.

Biodegradable and Compostable Shopping Bags

SHANDONG ORIZON BIOMATERIALS CO., LTD.

120G07 

The shopping bags are used at malls, supermarkets, restaurants and farmers markets. The use of a special biological masterbatch is characterized by light-tight, good privacy, high-temperature resistance, and environmental protection.

Features: Fully bio degradable.

1. EN13432, ASTM D6400, AS4736, BPI, and Ok-compost certified.
2. Save over 75% of petrochemical resources.
3. Can reduce over 60% CO₂ emission.
4. No phthalate, no bisphenol A, non-toxic and pollution-free.
5. Transparency and softness could be regulated as required.



Recycled Plastics

In the context of carbon neutrality, recycled plastics have good prospects for development. Industry players are not only committed to producing high-performance recycled plastic particles, but also green recycling of plastic wastes, fine sorting and high-value utilization to achieve closed loop recycling. They are also concerned with development of sustainable functional materials, constantly leading the industry to adapt to new business model.

Food-Grade Recycle PET Pellets INTCO RECYCLING

16B65



INTCO Recycling uses high purity separation, bottle to bottle washing, high impurity removal rate and other advanced technologies, can produce food grade R-PET pellets, impurity content less than 30ppm, purity up to 99.95%. GRS approved, 100% post-consumer recycling, meet FDA and EFSA food grade certification. The SSP technology in the regeneration process enables R-PET pellets to be used in food-grade plastic packaging industry (cups, tableware, beverage bottles, etc.), electronics industry, automobile industry, etc.

PCR PC NINGBO TOPCENTRAL NEW MATERIAL CO., LTD.

16B45



rPC products are based on post-consumer recycled sources, including buckets, plates, car lights, parts, lenses, optical discs and other sources, through standardized, continuous and high performance production of PCR PC standardized particles and PCR PC and alloy modified particles. Product features:

1. excellent performance and can provide functional design and customization services;
2. comply with ROHS/REACH/GRS/UL/FDA certification;
3. Global PCR certification, carbon footprint and LCA, whole industry chain design and innovation services



Recycled HDPE XIAMEN LUHAI PRO-ENVIRONMENT INC.

16Q19



1. HDPE recycled particles have high purity, Their performance is close to that of original particles, They can replace original particles in a larger proportion than other peer products.
2. It can effectively avoid quality problems caused by insufficient product purity.
3. Mature application in film blowing, blow molding and extrusion products.

Additives, Colour Pigments & Masterbatches

The pandemic has promoted the application of nano-additives in the fields of electronics and medical diagnosis. The market also pays more attention to the antibacterial property of products. Moreover, eco-friendly additives have widened their application in new energy industry. Echo to market changes, masterbatches with improved safety, cost-efficiency and recyclability are introduced.

Innovative Stabilizers for Polyolefin and Polyurethane

SI GROUP

15C39 



SI Group will present innovative antioxidant and specialty additive solutions which have been developed to comply with all existing legislation whilst proactively addressing future environmental constraints and consumer concerns. Next generation phosphite solutions will be presented that enable compliance in diverse polymer applications from packaging to automotive. New antioxidant solutions enabling polyurethane foams used in automotive and bedding to be compliant with new emission standards will also be introduced.

Light Stabilizer LS-119

SUQIAN UNITECH CORP. LTD.

15H39   

This is a non-polymeric high molecular hindered amine light stabilizer with low volatility, migration resistance while high temperature resistance. In addition to its excellent thermal stability and light stability in polyolefin materials, its performance is also excellent in weak acidic environments. It can reduce the interaction with agrochemicals, fillers, pigments and other additives. The product is especially suitable for the use of PE agricultural greenhouse film, PP fibers, PP filled with talcum powder, and TPO automotive parts. It can also be used in EVA, EPDM, PA, PET, PMMA, etc, in addition to powder coatings.



Anti-microbial Material

CHINESE INDUSTRY ASSOCIATION FOR ANTIMICROBIAL MATERIALS & PRODUCTS

15P21  



This anti-microbial agent can be provided in the form of powder, liquid and masterbatch. They are suitable for rubber and plastic materials and all kinds of processing technology, widely used in kitchen bathroom, sports and daily necessities, automobiles, building materials and other industries.

Additives, Colour Pigments & Masterbatches



Antibacterial Agent

NANJING TIANSHI NEW MATERIAL TECHNOLOGIES CO., LTD.

15K39



The antibacterial agent series have broad-spectrum antibacterial property, lasting antimicrobial, antimicrobial activity value ≥ 2.0 or antimicrobial rate $\geq 99\%$. Good thermal stability, high temperature resistance, not easy to change color, good compatibility and dispersibility. The product does not change the original processing of the plastic and has good safety. The product meets EU RoHS, REACH requirements, meets GB9685-2016 food contact material requirements, national food grade test: inorganic metal ions do not precipitate and do not migrate.

Liquid Formamidine Ultraviolet Absorber: YISTAB UV-1

ZHIYI SPECIALTY CHEMICALS CO., LTD.

15S43



The effective UV absorptivity is in the region 240-350nm. The biggest absorption peak is 308nm. It can almost entirely absorb the ultraviolet radiation in the region 300-330nm. The polyurethane is easy to degrade due to the radiation of this wave range. Product prevents the aging and improves the color stability to prolong the service life of the products.



High Performance and Sustainable Flame Retardant Solution to EV

CLARIANT CHEMICALS TECHNOLOGY (SHANGHAI) LTD.

15C41



High-voltage plugs, connectors, bus bars and other electrical components in EV require high-performing polymers with high-performance flame retardants – such as Clariant's Exolit®. Product enables manufacturers to reach Performance Level Category 0, which holds for 600 volts. That way, conducting parts can be fit closer together, allowing further miniaturization and weight cutting. Exolit® is also hydrolysis-stable and can be used in dedicated hydrolysis resistant formulations as well.

HEAT STABLE IRON OXIDE PIGMENT

HUZHOU EUCHEMY NEW MATERIALS CO., LTD.

14Q71



The heat stable oxide pigments from Euchemy satisfy a number of exacting technical requirements. They have good dispersibility, which is easy to break down and distribute to reach their final tinting strength quickly. They should not migrate, non-fading, nontoxic and also have high thermal stability, good light fastness and weather stability.



Silicone Microsphere
HUNAN JUFA PIGMENT CO., LTD.

14F59 



With perfect spherical shape, precise size and extremely narrow particle size distribution, the Jufa silicone light diffusion microspheres has excellent sliding property, high dispersion, thermal stability and weather resistance, and are widely used in LED lampshade, lamp tube, LCD light diffusion plate and light diffusion film, cosmetics, oil paint, plastic additives and many other fields.

Transparent Filler Masterbatch
PINGXIANG XINFENG PLASTIC CO., LTD.

14F55      
    

Transparent masterbatch is a functional masterbatch made of high-pressure polyethylene and sodium sulfate through twin-screw extrusion granulation. Adding a certain proportion of the masterbatch to film products, sheet products, injection molded products and other products will not affect the appearance and physical properties of the products, and play a role in reducing costs. It is widely used in the processing of plastic products such as film products, bag products, sheet products and injection molding products.

Aluminum Pigment for Plastic Molding
SHINEMAX ADVANCED MATERIALS CO., LTD

14L29      
    



ShinePlas™ series Aluminum Pigment utilizes the next generation nano-encapsulation technology. Its proprietary polyolefin & polyacrylic hybrid coating enables superior compatibility & dispersibility in plastics. Compared to simple silica coating, its hybrid coating has greater resistance to sheer & bending, higher brightness and lower defects rate. This pigment can also help dispersing organic pigments during the molding process. ShinePlas™ series complies with RoHS, AP(89), EN71 regulations.

VULCAN XC72 Conductive Carbon Black
CABOT (CHINA) LTD.

14H35  

VULCAN XC72 specialty carbon black is a uniquely designed conductive carbon black that allows end products to deliver functionality at relatively lower loading levels compared to Cabot's other carbon blacks in the XC family. It is suitable for use across a range of conductive applications, e.g. conductor shields used in medium voltage power cables; insulation shields used in medium voltage power cables, etc



Thermoplastic Elastomers & Rubber

In order to meet the requirements of environmental protection policies, the application of materials that meet the "double carbon" goal has become a hot topic. The new low carbon footprint thermoplastic elastomer can help products achieve low carbon, carbon neutral or negative carbon emission targets, and can achieve recycling.



New Interior Surface Solution TPE for Asia Pacific Automotive Market KRAIBURG TPE CHINA CO. LTD.

117P73



KRAIBURG TPE will unveil its new FG/SF/AP series for automotive interior applications. Targeted at the Asia Pacific market, this low-density series exhibits good adhesion to PP and flowability with controlled emission and odor levels. Also, the TPE compounds feature good surface flow and mapping properties, as well as temperature stability up to 100C. All these make the series ideal for interior applications requiring smooth surface feel and high quality finishings, such as car mats, thumb wheels, buttons, handles, bumpers, functional and design elements, and more.



Si-TPV CHENGDU SILIKE TECHNOLOGY CO., LTD.

117Q81

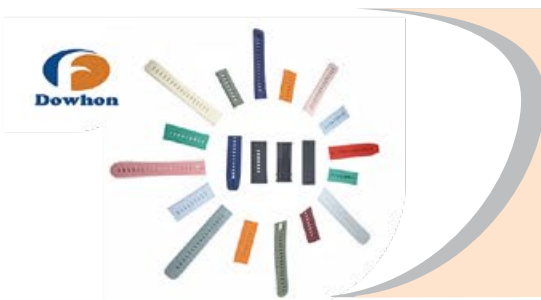


SILIKE Si-TPV is a patented dynamic vulcanized thermoplastic silicone-based elastomer made by a special compatible technology and dynamic vulcanized technology to help silicone rubber dispersed in TPU evenly as a 2~3 micron particles under microscope and forms a special island structure, solves the problem of TPU and silicone incompatibility. With low hardness of silicone rubber, high and low temperature resistance, chemical resistance, high resilience and TPU outstanding mechanical strength, good biocompatibility, etc. It can be co-extruded with many thermoplastic engineering plastics and double-color injection molding. It is widely used in many fields such as smart watch band, wrist band, phone cases, wires, plastic wraps, etc.



FKM Compound for Smart Wear SICHUAN DOWHON NEW MATERIAL CO., LTD.

117Q91



Features:

1. Excellent physical and mechanical properties.
2. Produced in the clean workshop.
3. Compliant with Rohs, REACH.
4. DAHS, DMF, DMFA.
5. Biological compatibility: 1) Skin irritation; 2) Skin Sensitization; 3) Cytotoxicity.

VECTOR SEBS Polymer for Transparent Medical Packaging and Medical Device TSRC CORP.

117A31



VECTOR SEBS 8245 is suitable for IV bag, IV tubing as transparent medical solutions. The designed structure provides good compatibility with PP at various ratio to fulfill desired features such as printability, flexibility, and good sealing strength. In addition, the high flowability of VECTOR SEBS 8245 enables non-oil extended process available to meet medical requirements. The material is compliant with USP class VI test and ISO 10993-5 cytotoxicity test to prove the reliability of medical products.





Silicone Elastomer for BioPharma Tubing
MOMENTIVE PERFORMANCE MATERIALS INC.

17Q67



Momentive unique Biopharma HCR series with brand names Tufel and Addisil have been widely used in the Single Use System of the Bioreactor. They are additional curing system HCR grades that meet ISO 10993 and USP Class VI standards. The distinctive features include an ultra-low compression set, excellent elastic memory, low volatile bases that minimize porosity, and a wide processing window. They are now being used in the bio-SUS silicone tubes. Meanwhile, a very innovative grade that is resistant to ultra-low temperatures down to -114°C has been launched to meet the low-service required application scenarios in the biopharma industry.

Specialty Silicone Rubber Developed for Electric Vehicle
HRS CO., LTD.

17P87

The new series includes High Voltage Cable Silicone Rubber with high performance of voltage break down, which can be applied to Power Cables. Also, Addition Silicone Foam which is developed for EV Battery Pack Foam sheet, is excellent in flame, smoke and toxic resistance. Besides, Thermal Pad, which is a high-performance thermal conductive gap filling material for EV, is also developed, This is mainly for the transmission interface between the electronic equipment and heat sink or product outer cover. A variety of custom grades meeting customers necessities is available as well. Typically in HCR, HR-2500 series with great tear strength and tensile strength properties is used in automotive parts and gasket.



Vulcanized Silicone Rubber Alloy
KUNSHAN RONGDIAN MATERIAL TECHNOLOGY CO., LTD.

17Q95

The dynamic vulcanization crosslinking technique was applied to disperse the vulcanized silicon rubber particles evenly in the continuous phase of thermoplastic material to form polymer alloy with stable island structure. Product integrates the characteristics of matrix resin and silicone materials, and has excellent scratch and wear resistance; warm and smooth touch; good mechanical properties at high and low temperatures. Vulcanized silicone rubber alloy is free from oil extraction, wax extraction, frosting, readhesion, screw slip and other phenomena compared with materials adding ordinary silicon master particles or wax smooth agent.

New Theme Zone: Innovative Products Zone

Innovative Products Zone

20
HALL

6,000m²
AREA

120+
EXHIBITORS

Showcasing high-tech, green and low-carbon semi-finished and finished products for packaging, automotive, 3C electronics, medical, aviation and railway industries, etc.

New Theme Zone



Exhibits



1. Packaging film products: biaxially oriented film, heat shrinkable film, high barrier packaging bag, heavy bag, etc.
2. Industrial film products: LCP film, optical film, lithium battery separator, battery packaging film, photovoltaic packaging film, etc.

Applications

Plastic flexible packaging, lithium batteries, optical components, electronic screens, photovoltaic, 5G, etc.



1. Sheets, plates, bars, pipes and other products made of PEEK, PEI, PPS, PAI, PVDF, ETFE, PBI, etc.
2. Precision parts for industrial use.

3C electronics, new energy vehicles, aviation, railway, oil exploitation and other fields requiring high precision parts.



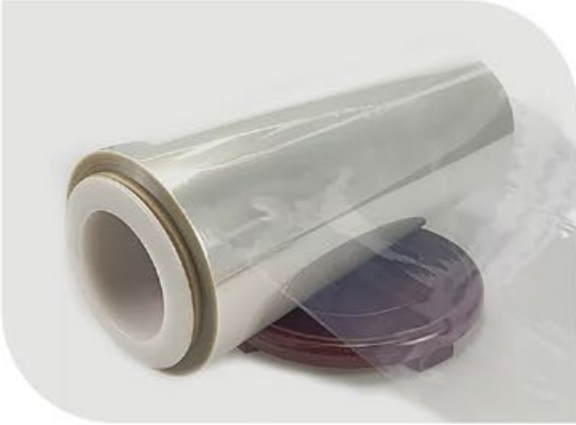
Recycled, degradable and recyclable plastic and rubber products.

Various end-user industries, such as cosmetics, household textile, food and beverage, sports and leisure, medical equipment, automotive accessories, etc.

1 20G61

Transparent High Barrier BOPP / PET AIOx PET Film

FOSHAN CAILONG METALLIC PACKAGING MATERIAL CO., LTD.



Transparent AIOx film is more eco-friendly, better barrier and good printing performance, provides more possibilities for single mono material packaging solution. It features excellent coating adhesion, greatly increasing the composite strength with other materials, excellent oxygen and moisture barrier properties, extending the shelf life, excellent processing performance and wide application range. It can replace packaging materials such as KPET, KBOPP, KBOPA, VMPET, SiOx, BOPA, aluminum foil, EVOH and co-extruded film.

1 20C41

Film Sheets for Touch Panels / Lenses

SICHUAN LONGHUA FILM CO., LTD.



This product line is coated sheets with a range of functional coating options, offering an assortment of functional coated sheets with conventional, anti-glare, anti-static, anti-contamination coating as well as sheets with significant hardness.

It features excellent abrasion and scratch resistance, outstanding for mechanical process and die-cutting, excellent contamination resistance, excellent chemical resistance, and high flatness. It is widely used for touch panels, lens, mobile phones, tablet PCs, display lenses, mobile phone keyboards, membrane switches, etc.

1 20L65

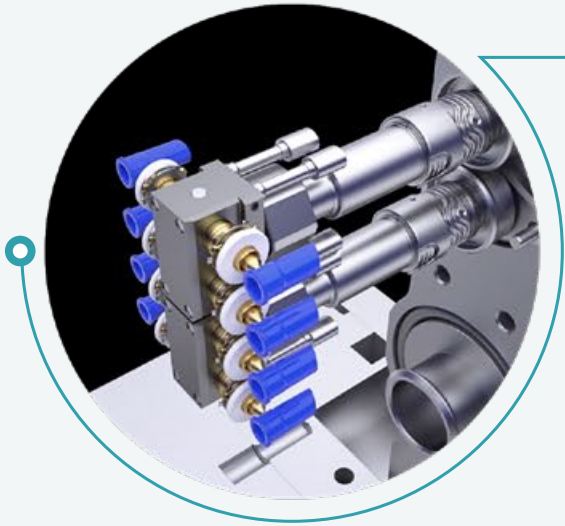
PCTFE ROD

WUXI RAYFLON POLYMER TECHNOLOGY CO., LTD.



PCTFE has excellent low-temperature resistance and can be used to make sealing materials for liquid nitrogen, liquid oxygen, and liquid fuel. Using the mechanical stability and excellent optical properties of PCTFE (The 3mm thick PCTFE sheet is optically transparent) to make threaded pipes, pipe fittings, transparent mirrors, and optical instruments, etc. Its excellent electrical properties can be used to make plug-ins and printed circuit boards used in humid environments; it can also be used to make chlorofluorocarbon oils, etc.


CHINAPLAS+: Essence of the Industry at a Glance by Multi-dimensional Viewing of the Exhibition



Tech Video Channel

CLEAR AND LIVELY MARKET INFORMATION — TAILORED FOR YOU!

The videos we release on the official website of the exhibition and WeChat video channel cover a wide range of popular rubber and plastic technologies, enabling the audiences to easily grasp the characteristics and applications of different technologies. Our video collection will also specifically include exclusive interviews with industry experts and brands, introduction of selected exhibits, and preview of major theme activities of the exhibition. We look forward to your engagement with us!

 www.ChinaplasOnline.com/ShowVideo



Application Online Forum

MOVING TOWARDS A CIRCULAR ECONOMY IN ASEAN: CHALLENGES, OPPORTUNITIES & APPLICATIONS OF PLASTIC RECYCLING INDUSTRY

ASEAN countries are ramping up their efforts in scaling up and accelerating their transition to a circular economy that prioritizes plastics-related policies and investments in key sectors and locations. The transformative potentials involve new alternative materials, product designs, innovative technologies as well as resource management.

This online forum will focus on the development trends, explore opportunities and challenges in the context of plastic recycling industry, as well as the application mechanisms. Representatives from various sectors will share best practices in shifting towards greater plastics circularity.

 www.ChinaplasOnline.com/CPS23/ApplicationOnlineForum






CHINAPLAS LIVE

CHINAPLAS LIVE enables people to witness the grand occasion of CHINAPLAS on the official site of the exhibition. Our elaborately arranged items such as "Technology Close-up", "Leaders Interview" and "Activity Highlights" will be telecast live in both Putonghua and English to meet your needs. As many as 100 well-known exhibitors and their executives will appear in the live broadcast, with brilliant contents covering environmental protection and recyclable solutions, low carbon/ carbon reduction technologies, new materials, intelligent manufacturing and industry 4.0, molds, 3D technology, etc.

Check it out at the CHINAPLAS website!


 www.ChinaplasOnline.com/Live



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Inspiring Concurrent Events



SCIXPLORE FORUM

Renowned scientists and experts will be invited to share their reports and views on the future development and breakthrough achievements of polymer industry through the activities of Key-note Speeches, Panel Discussion, Meet the Stars, Walk with Scientists, and Scientists' Night.



2023.4.18



HALL 10 (LEVEL 2)
MEETING ROOM 10ABC



TECH TALK

Over 30+ innovative technologies will be launched on site, covers 5 themes: Lightweight Solution, Surface Treatment Solution, Medical Plastics & Antimicrobial Solution, Eco-friendly Solution, and Innovative Materials.



2023.04.17-19
10:00-17:00



HALL 16, BOOTH 16R31



PROFESSIONALIZATION, REFINEMENT, SPECIALIZATION AND INNOVATION SHINING STARS IN PLASTICS AND RUBBER INDUSTRIES

Focus on the presence of PRSI companies at CHINAPALS and provide them with an excellent promotion platform. Combining online and offline publicity channels, show thematic visiting routes and closely bridge them with target buyers.



2023.4.17
10:30-12:30



HALL 16, BOOTH 16R31





PLASTICS RECYCLING & CIRCULAR ECONOMY CONFERENCE AND SHOWCASE

Following the success of three editions of “CHINAPLAS x CPRJ Plastics Recycling & Circular Economy Conference and Showcase”, we will continue to unite the upstream and downstream of plastic recycling industry, focus on circular economy and contribute to global sustainable development in 2023.



2023.4.16
8:30-18:00



SHENGZHEN (HOTEL TBC)



第四届 4TH EDITION CHINAPLAS x CPRJ

塑料回收再生与循环经济 PLASTICS RECYCLING & CIRCULAR ECONOMY

论坛暨展示会 CONFERENCE AND SHOWCASE



APPLICATIONS IN FOCUS

A broad spectrum of brands from end-user markets, universities and research centres shall gather at the event, providing high performance applications. There are 12 thematic forums, covering more than 70 hot topics, such as photovoltaic, plastic and rubber antibacterial technology, sterilization packaging, green low-carbon and circular economy, 5G, etc.



2023.4.18-20
09:30-17:00



MEETING ROOM



SUSTAINABILITY RESONATOR

A co-creation by CHINAPLAS, multidisciplinary artist Alex Long and the global plastics and application industries. The Installation combines sustainable materials, additive manufacturing, technology and arts together. It is also an experience zone where you can hear voices of sustainability from people across the world.



2023.4.17-20



HALL 20, BOOTH 20P21



Inspiring Concurrent Events



DESIGN x INNOVATION

Focused on industrial design, consist of two inspiring activities, Design x Innovation Gallery and Design Forum, under the theme Product DNA: Low Carbon, Intelligent, Health-pursuit. Join us if you want to create a product that is eco-friendly, smart, wholesome, stylish with innovative functions and captivates the hearts of consumers.

DESIGN x INNOVATION GALLERY



2023.4.17-20



HALL 17 (LEVEL 1)
GATE 2 LOBBY

DESIGN FORUM



2023.4.18 14:00-16:30
2023.4.19 10:00-12:30



HALL 18 (LEVEL 2)
MEETING ROOM CC201A



MARKET INSIGHTS HUB

“Market Insights Hub” consists of six professional seminars and one talent matching namely “Development Day for Campus Elites”, aiming at presenting a finale feast to share insights on the forward-looking market information and opportunities.

FORUMS



2023.4.20 AM



HALL 18 (LEVEL 1 & 2)
MEETING ROOMS

DEVELOPMENT DAY FOR CAMPUS ELITES



2023.4.20 AM



HALL 16, BOOTH 16R31



There is plenty more to come, please visit www.chinaplasonline.com/EventOverview

Real-name Registration to Safeguard Your Visit

To ensure the health and safety of all trade fair participants, and in accordance with the Chinese government's policy, real-name registration is required for all visitors.



Scan the QR code to proceed with visitor pre-registration

Your real name and valid identity document number are required for verification during online registration. Please provide correct info.

- ✓ Ticket Discount: Early bird discount for a 4-day pass at RMB50 or USD\$7.5 (Original Price: RMB80)
- ✓ Fast Admission: Receive your Visitor eBadge/ Confirmation Letter in advance



Pre-registration Deadline APRIL 11, 2023 17:00 (GMT +8:00)

For admission, to comply with the venue entry requirements, please present the documents listed below for identity validation, and conduct face recognition when you arrive on-site.

Visitors from Mainland China

1. PRC Resident Identity Card
2. Visitor eBadge



Visitors from Overseas, Hong Kong, Macau and Taiwan

1. Identity Document (e.g. Passport / Mainland travel permit for Hong Kong and Macao residents / Mainland travel permit for Taiwan residents)
2. Pre-registration confirmation letter



- Remarks:
1. Latest Chinese government's policies on health control as of 1 Feb, 2023
 2. All health document and identity document must be valid and presented in original copy



Exhibition Health Screening and Latest Shenzhen Immigration & Health Requirements

Hotel & Transportation

Hotel & Transportation



More Transportation information



Recommended Hotels (Part of the list)

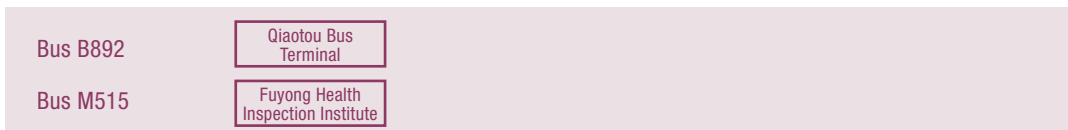
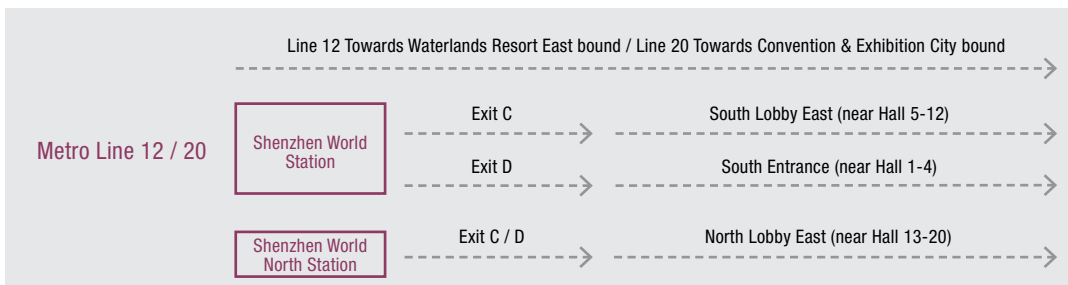
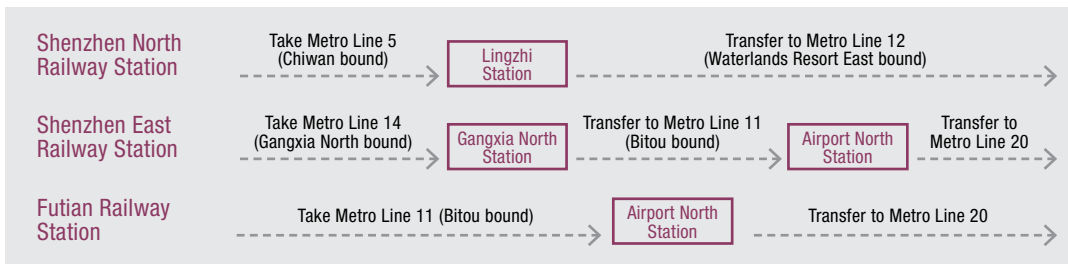
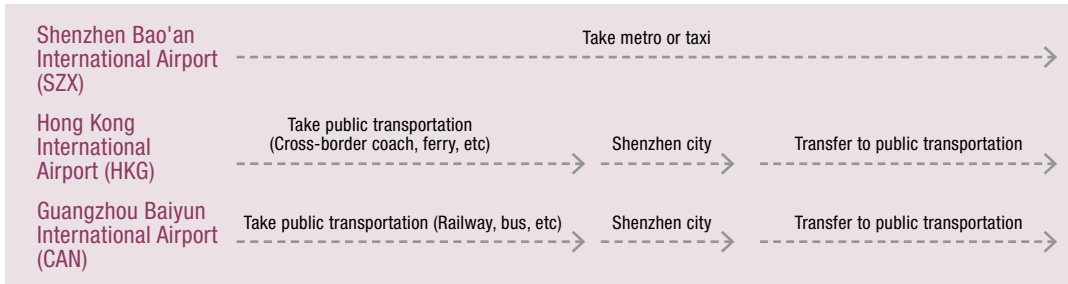
- 1 Crowne Plaza Shenzhen World Exhibition and Convention Center
- 2 Huihuang International Hotel Apartment (Shenzhen International Convention and Exhibition Centre)
- 3 Grand Cloud Sky Reading (Shenzhen International Convention and Exhibition Centre)
- 4 Grand Skylight International Hotel Haoyue
- 5 Wei Yasi Hotel (Shenzhen International Convention and Exhibition Center Shui'an Branch)
- 6 Vienna International Hotel (Shenzhen Fuyong Convention and Exhibition Center)
- 7 Kaijia Hotel Shenzhen
- 8 RANZ Hotel (Fuyong Metro Station of Shenzhen International Convention and Exhibition Center)
- 9 Shenzhen Baolilai International Hotel

Shopping Malls

- 1 Rainbow Shopping Center
- 2 Baigangcheng Peaceful Center
- 3 Tongtai Times Square

The map only shows the approximate location of the infrastructure

Getting to the Fairground



Shenzhen World Exhibition & Convention Center

Remarks: 1. The Metro station will take control measures on Metro entrances and exits depending on the passenger flow.
2. Free shuttle bus services will be available at specific transportation hubs. Please visit the Show's official website for the latest announcement.

Hotel Recommendations by Official Travel Agents

- ✓ Exclusive hotel deals
- ✓ Selected hotels of different star ratings
- ✓ Hotels nearby SWECC, the nearest is only 10 mins walking distance
- ✓ Free shuttle bus service

Scan QR code to browse hotel listings.
Book hotel & plan your trip in advance!



Shenzhen JL International Conference & Exhibition Co., Ltd.



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Reservation email service@bestmeeting.net.cn



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