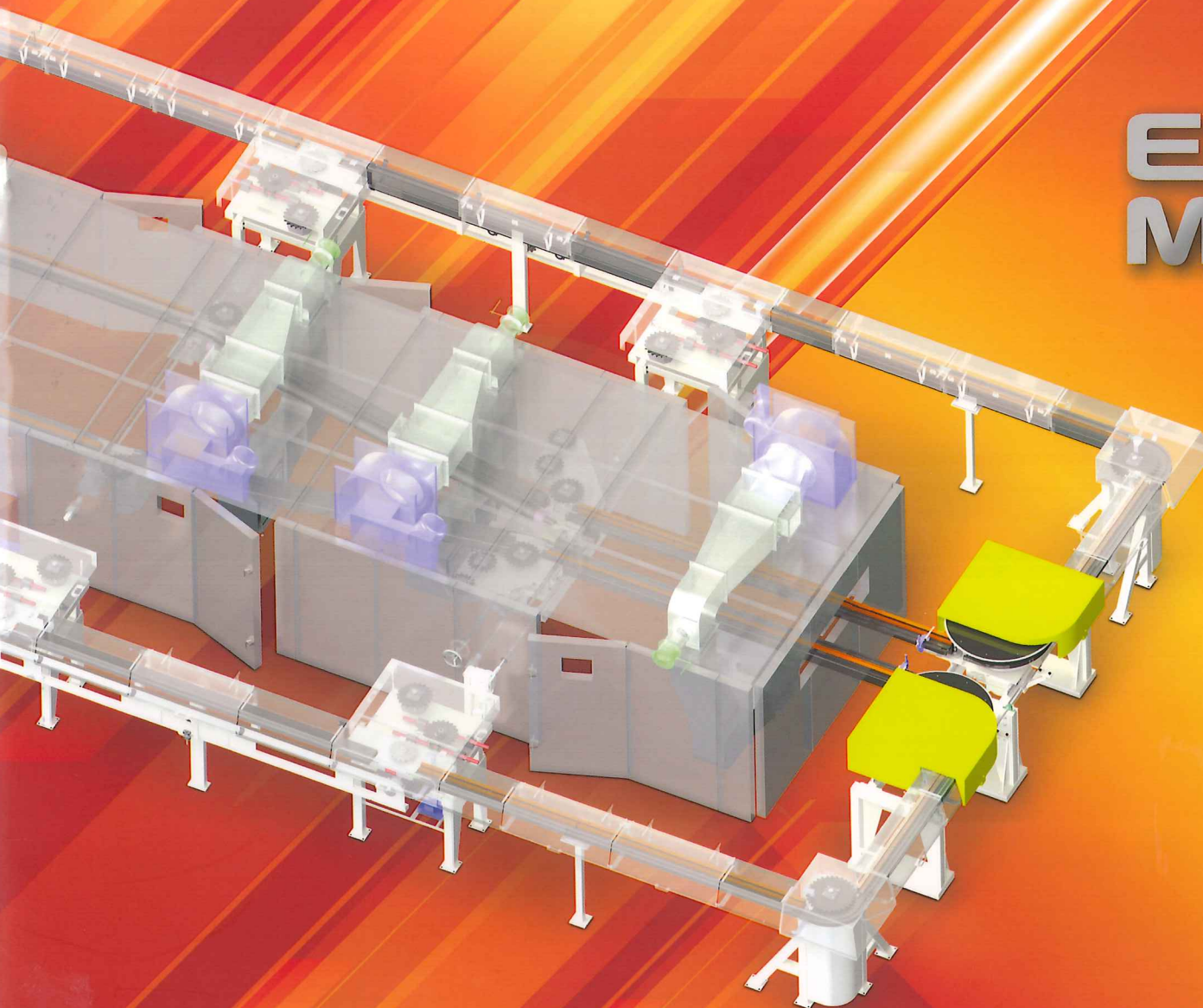


EXTRUSION MACHINERY





About Us

Leader has more than 20 years' experience designing and manufacturing plastics extrusion machinery. We specialize in the manufacture of high-end PP, PS, PVC, PC sheet extrusion lines and PP, PC, PET hollow profile sheet extrusion lines. The excellent reputation we have established with leading global customers comes from our total commitment to quality products and service.

鼎峰自動化累積數十年以上的生產經驗，致力於塑膠片、板、薄膜、押出成型機生產線及零配件之研發、製造，後續機械修整服務和研究開發各型塑膠機設備的優質企業。本公司秉持著『**研發創新、精益求精、顧客滿意、永續經營**』的理念，在板材押出機、中空押出機、製粒機、薄膜押出機和雙向延伸機的研發、製造、管理以及售後服務各方面持續不斷的努力，針對客戶實際需求介紹及設計最適當的機型，竭誠為顧客提供更優良的品質及更完善的服務。

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Our Team

The Leader team is committed to providing superior solutions. Our professional management, R&D, production, sales, and customer service staff are driven by a shared vision— the success of our customers. With a wealth of industry experience, skills, and specialist knowledge, we always deliver.

經營團隊

鼎峰團隊由經驗豐富的業界精英所組成，因為深入瞭解客戶的期望，所以由專精的研發、製造與售後服務領域的資深專業人員來負責執行與管理。這群優秀高層經營者將豐富的產業經驗與公司經營目標相結合，以達成客戶最高滿意度為宗旨。





Quality Products

Lightweight, waterproof and durable, plastic extrusion film and sheet products have become an essential part of our everyday lives. The versatility of these remarkable materials means almost unlimited applications.

優質產品

隨著時代進步，塑膠押出板 / 薄膜已經成為你我日常生活中不可或缺的用品。環保、質輕、防水、耐用等特性，使得各種塑膠板 / 薄膜的功能充滿無限可能、無限想像。

Advanced Machinery

Leader has invested for precision machining and five-axis CNC machining. These cutting edge equipments ensures perfect precision and consistency at every stage of the production process.

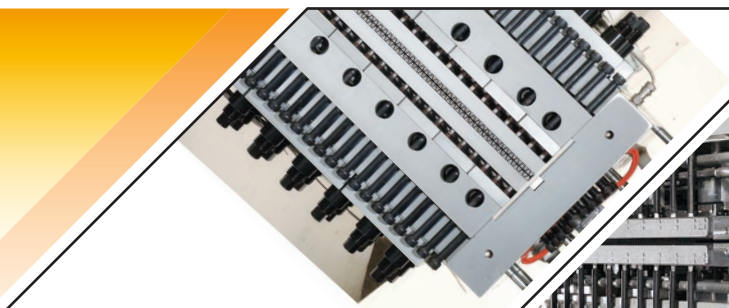
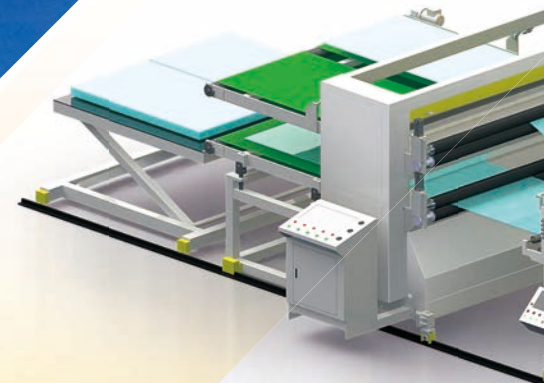
先進機械

為求提升產品之品質，引進精密加工機械，5 軸加工機械確保機械精密。

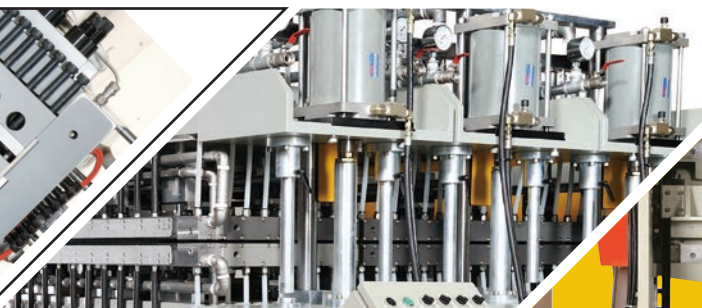


PC Hollow profile sheet exhibits extremely high light transmittance

PC 中空板具有極高透光性



T-die 模頭



Forming Unit 成型台



Double Guillotine Cutter 雙切台

PC / PP & PE Hollow Profile Sheet Extrusion Line

PC/PP&PE 中空板生產線

Features

- High-speed (Over 10 m/min, 400 kg/hr)
- 1,500 mm wide standard machine

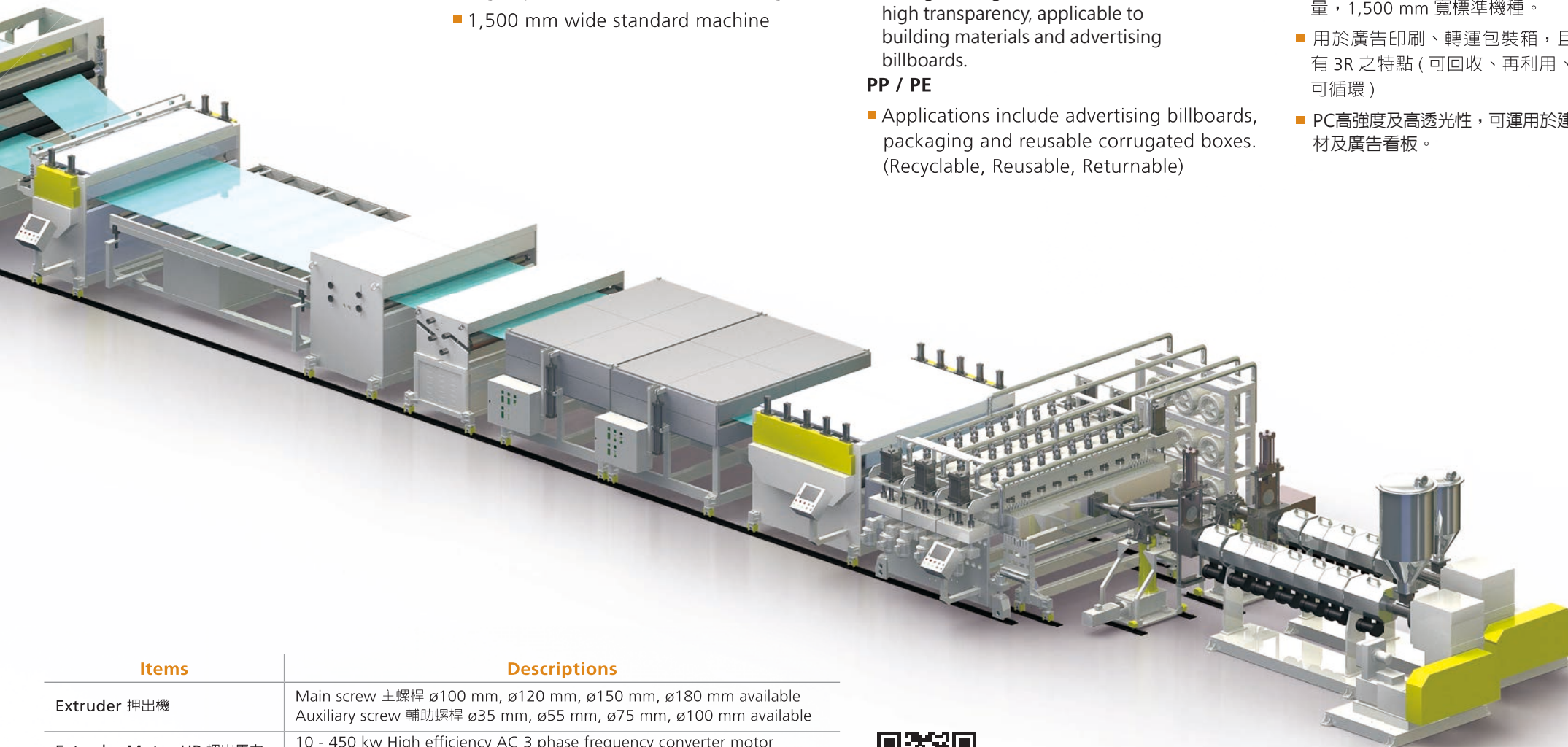
PC

- PC high strength, high transparency, applicable to building materials and advertising billboards.

PP / PE

- Applications include advertising billboards, packaging and reusable corrugated boxes. (Recyclable, Reusable, Returnable)

- PP / PE 中空板經濟機種，高產速達 10 M/min 以上，400 kg/hr 產量，1,500 mm 寬標準機種。
- 用於廣告印刷、轉運包裝箱，且有 3R 之特點 (可回收、再利用、可循環)
- PC高強度及高透光性，可運用於建材及廣告看板。

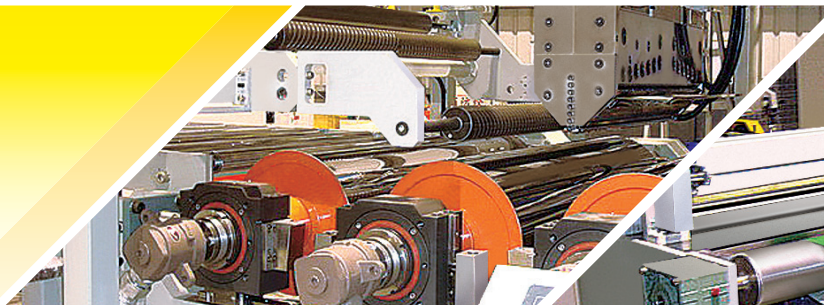


Items	Descriptions
Extruder 押出機	Main screw 主螺桿 $\phi 100$ mm, $\phi 120$ mm, $\phi 150$ mm, $\phi 180$ mm available Auxiliary screw 輔助螺桿 $\phi 35$ mm, $\phi 55$ mm, $\phi 75$ mm, $\phi 100$ mm available
Extruder Motor HP 押出馬力	10 - 450 kw High efficiency AC 3 phase frequency converter motor 高效能AC三項變頻專用馬達
Productivity (max) 產能	300 - 800 kg/hr
Line Speed 最高線速度	4 - 12 m/min



Designed for high temperature thermoplastic molding applications

依客戶需求製造厚板、薄板與各式表面壓花紋板材押出機



Calendar 壓延機構



Cross Cutter Unit 裁切機構



Winding Unit 捲取系統

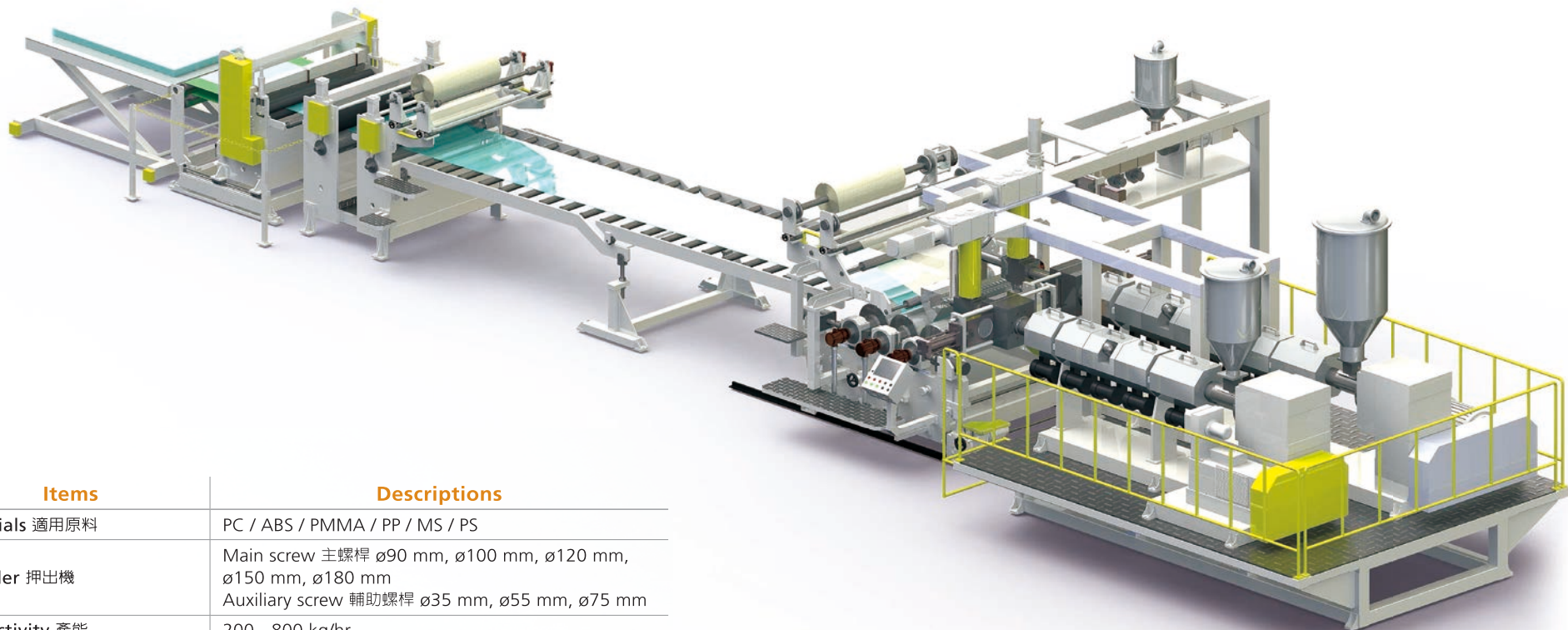
Multi-layer Sheet Co-extrusion Line

板材共擠押出機

- **PC** products have heat-resistance, UV-resistance and light transmission properties, making them ideal light building materials. PC's high impact resistance also makes it ideal for use in other applications, including suitcases.
- **ABS** is a rigid, shock-resistant material suitable for a wide variety of applications, including auto parts and containers. Its flowability and high anti-variant coefficient make it ideal for thermoforming.

- **PP** is the most widely used material in the plastic packaging market. A strong, durable material with high resistance to impact and bending, PP is commonly used in containers and packaging.
- **PET** is transparent, tough and lightweight. PET is now replacing PVC in a wide variety of packaging applications.

- **PC**: 產品具有耐熱性及透光性，添加 UV 後，可抗紫外線，可被使用於建材，其耐衝擊的特性也可被用在皮箱上。
- **ABS**: 環保、耐衝擊性、高剛性、較無毒、高抗變形系數使板材易加工，適用於製造變形材料，如：皮箱、汽車零件、容器等 各種工業用成型外箱。
- **PP**: 塑膠包裝市場最常使用的原料，具強韌性、耐衝擊、耐彎曲性，廣汎應用於容器、文具板及包裝材等。
- **PET**: 高透明度、韌性及取向功能，現已取代 PVC，被大量使用於包裝及容器。



Items	Descriptions
Materials 適用原料	PC / ABS / PMMA / PP / MS / PS
Extruder 押出機	Main screw 主螺桿 $\varnothing 90$ mm, $\varnothing 100$ mm, $\varnothing 120$ mm, $\varnothing 150$ mm, $\varnothing 180$ mm Auxiliary screw 輔助螺桿 $\varnothing 35$ mm, $\varnothing 55$ mm, $\varnothing 75$ mm
Productivity 產能	200 - 800 kg/hr
Line Speed (max) 最高線速度	10 m/min

PP sheet is the most widely used industrial material in the world.
The wave form of corrugated sheets can be customized.

浪型板材被廣泛應用於建材，多樣化的客製浪型以配合各式產品需求



Corrugated Sheet Forming Unit 浪板成型機



Corrugated Sheet Cutter Unit 浪板切片機



Edge Trimming System 修邊系統

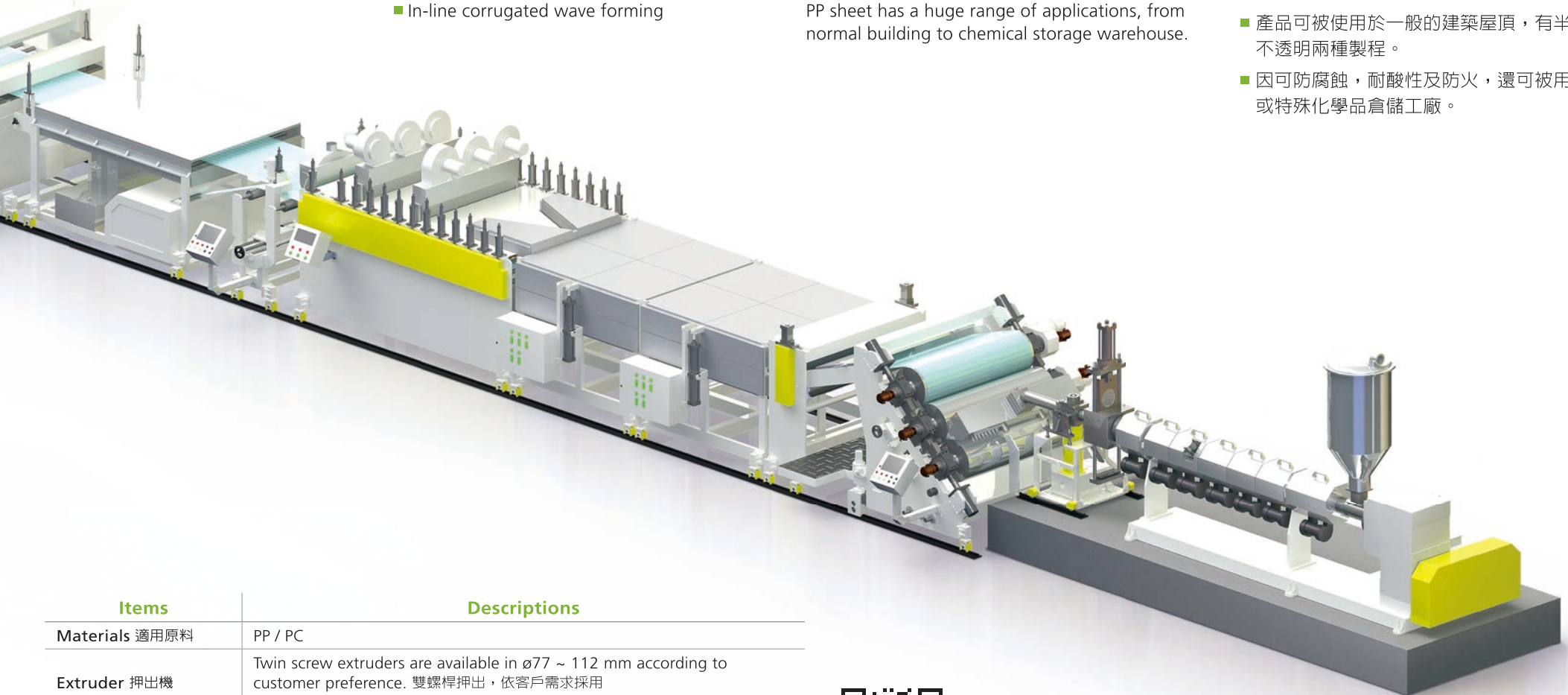
Flat & Corrugated Sheet Production Line

平浪板成型機

- High output (up to 800 kg/hour)
- Uses recycled PP material with a high proportion of CaCO_3 . This lowers costs without compromising product quality.
- In-line corrugated wave forming

- Fully automatic loss-in-weight dosing and feeding
- Produces both translucent and opaque sheets
- Corrosion-resistant, acid-proof and fire-proof, PP sheet has a huge range of applications, from normal building to chemical storage warehouse.

- 原料配方是使用回收 PP 料及高比例的碳酸鈣，以達到高品質低成本的目的。
- 線上直接浪板成型。
- 全自動失重式計量系統。
- 產品可被使用於一般的建築屋頂，有半透明及不透明兩種製程。
- 因可防腐蝕，耐酸性及防火，還可被用在海邊或特殊化學品倉儲工廠。

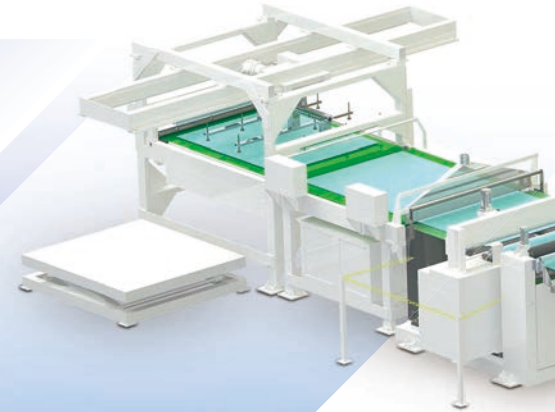


Items	Descriptions
Materials 適用原料	PP / PC
Extruder 押出機	Twin screw extruders are available in $\varnothing 77 \sim 112$ mm according to customer preference. 雙螺桿押出，依客戶需求採用 Single screw available in $\varnothing 90 \sim 180$ mm 單螺桿押出
Extruder HP 押出馬力	190 - 375 kW High efficiency AC three phase frequency converter motor 高效能AC三項變頻專用馬達
Productivity 產能	200 - 1000 kg/hr



The optical panel used in backlight modules has a huge effect on optical efficiency.

光學板應用於背光模組，是影響光效率的重要元素



Calendar 壓光輪



Cross Cutter Unit 橫切機

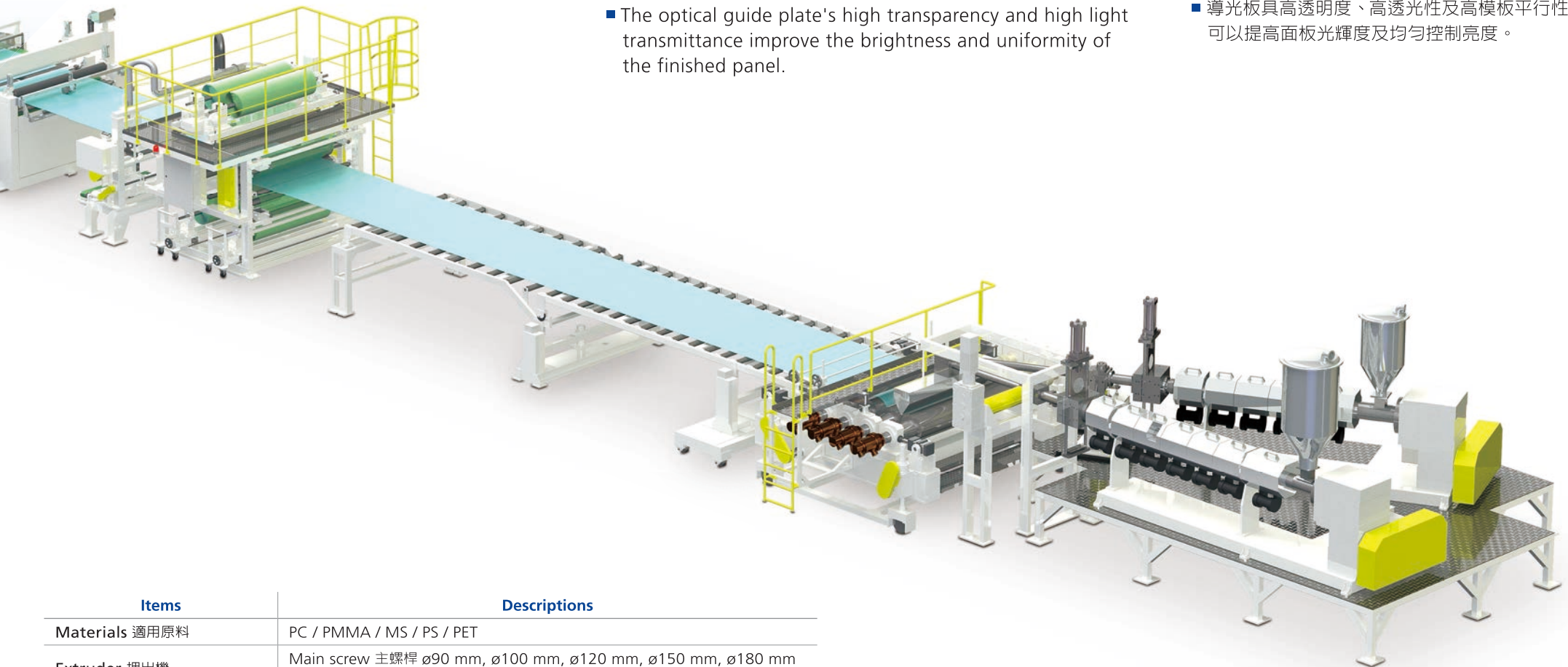


Auto-traverse Stacking Device 自動搬移系統

Sheet Extrusion Line for Optical Panel Production 光學板製造設備

- Products are used in the production of flat-screen LCD TVs and computer, PDA, and mobile phone screens.
- The diffusion plate's durability and stability improve the product's transparency and light diffusion properties.
- The optical guide plate's high transparency and high light transmittance improve the brightness and uniformity of the finished panel.

- 廣泛用於平面電視、電腦、PDA、手機面板的光學及應用產品。
- 擴散板具有高度、耐久性、安定性及遮蔽性，可以提高產品光源穿透性，擴散性及均勻效果。
- 導光板具高透明度、高透光性及高模板平行性，可以提高面板光輝度及均勻控制亮度。



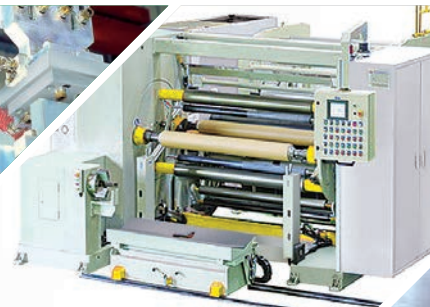
Items	Descriptions
Materials 適用原料	PC / PMMA / MS / PS / PET
Extruder 押出機	Main screw 主螺桿 $\phi 90$ mm, $\phi 100$ mm, $\phi 120$ mm, $\phi 150$ mm, $\phi 180$ mm Auxiliary screw 輔助螺桿 $\phi 35$ mm, $\phi 55$ mm, $\phi 75$ mm
Extruder Power 押出馬力	5.5~500 kW High efficiency AC 3 phase frequency converter motor 高效能AC三項變頻專用馬達
Productivity (max) 最高產能	800 kg/hr

Multi-layer Co-extrusion Design Provides Improved Strength and Tension.
Performance is Enhanced by Precision Layer Control.

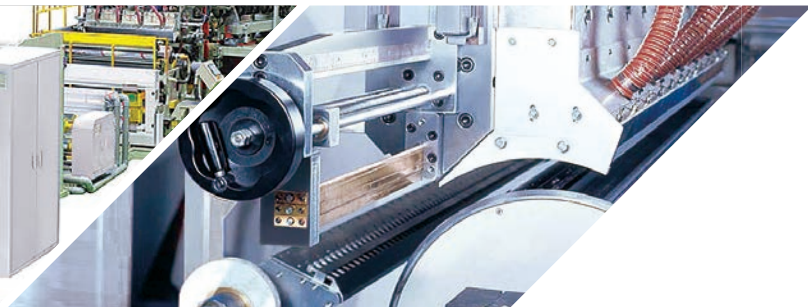
多層共擠押出設計讓薄膜可具彈性，並透過分層效果加強分層貼合度，以提高產品張力性



Special Angle Die Design 三軸共擠押出機



Auto Winding System 自動換捲收捲機



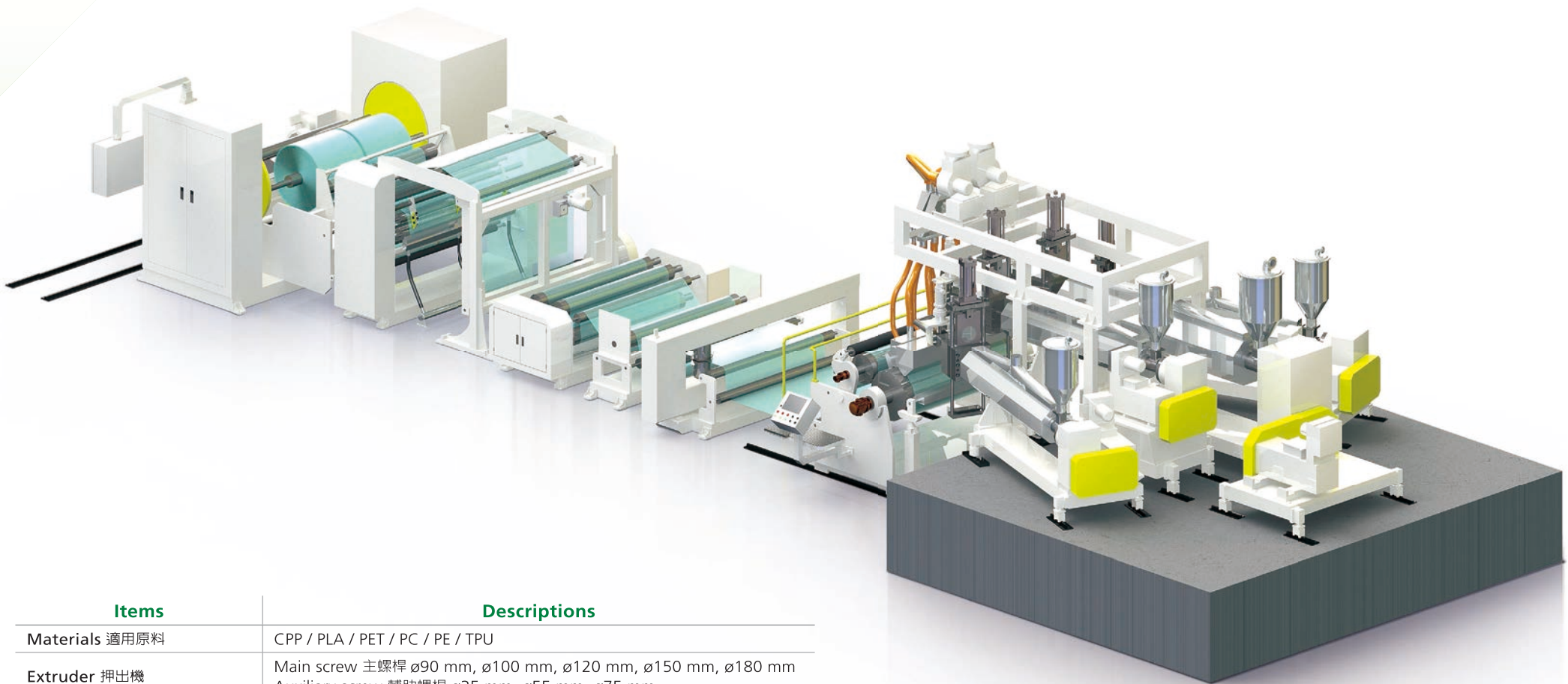
Air Knife and Soft Box 風刀與風箱

Micro/Nano-layer Film Extrusion Line

微/奈米多層薄膜製造設備

- A multi-layer co-extruded gas-barrier material
- Micro-layer optical reflection
- Ideal for applications requiring high flexibility and strength

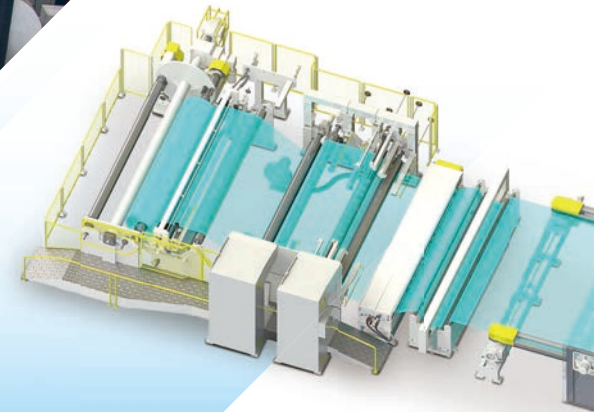
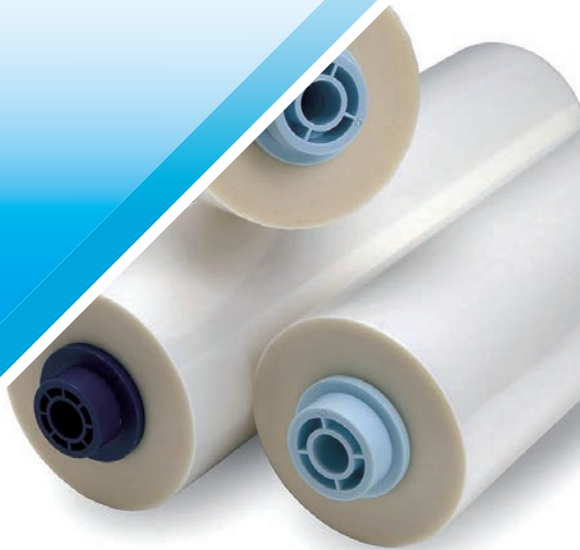
- 多層共擠阻氣材料
- 微層光學反射
- 彈性與強度強化應用



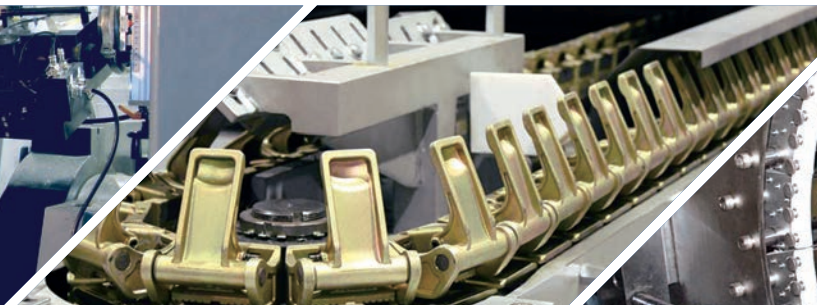
Items	Descriptions
Materials 適用原料	CPP / PLA / PET / PC / PE / TPU
Extruder 押出機	Main screw 主螺桿 $\varnothing 90$ mm, $\varnothing 100$ mm, $\varnothing 120$ mm, $\varnothing 150$ mm, $\varnothing 180$ mm Auxiliary screw 輔助螺桿 $\varnothing 35$ mm, $\varnothing 55$ mm, $\varnothing 75$ mm
Productivity 產能	150 - 800 kg/hr
Line Speed (max) 最高線速度	250 m/min

PET film is known for its excellent transparency and barrier properties. Bi-Orientation further increases PET film's transparency and strength.

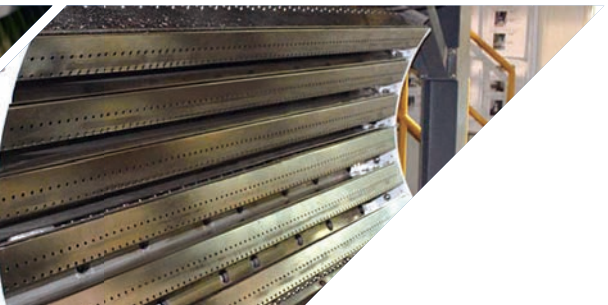
PET 膜的特性為透明性及阻隔性佳，且經雙向延伸後之薄膜透明度與強度特別好



Precision 精準



Technology 科技



Innovation 創新

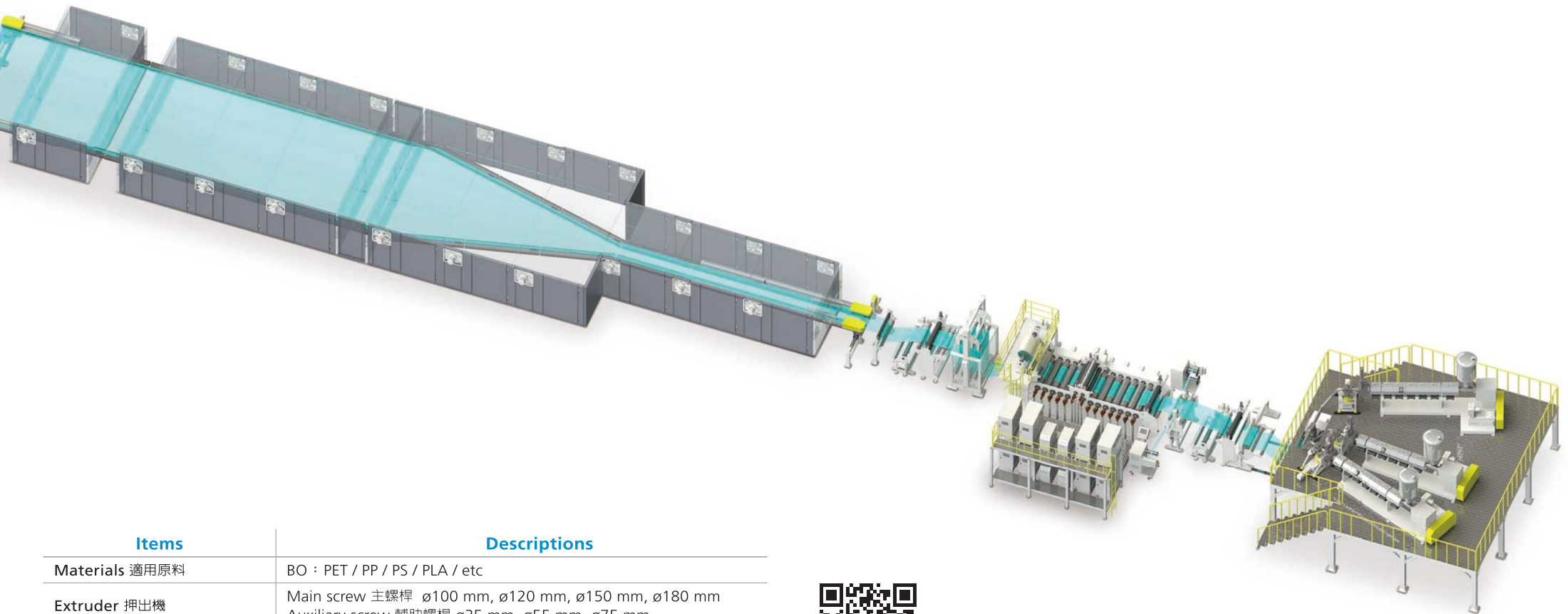
PET Bi-Orientation Line

PET 雙向延伸製造設備

This line produces film with high surface brightness, temperature resistance over 120°C-150°C and significantly increases MD/TD tear strength and barrier properties.

生產以下特性之薄膜：

- 高表面亮度
- 耐溫 120°C -150°C
- 顯著地增加 MD / TD 方向的強度

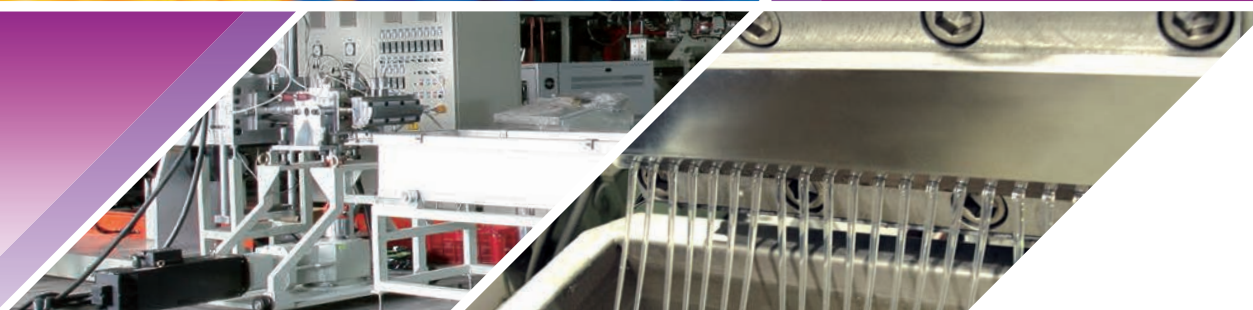


Items	Descriptions
Materials 適用原料	BO : PET / PP / PS / PLA / etc
Extruder 押出機	Main screw 主螺桿 ø100 mm, ø120 mm, ø150 mm, ø180 mm Auxiliary screw 輔助螺桿 ø35 mm, ø55 mm, ø75 mm
Output (max) 最高產能	2000 kg/hr
Line Speed (max) 最高線速度	200 m/min



Different polymers and processes can be used to produce qualified recycled materials.

不同原料使用不同造粒方式生產高品質回收料，達到完全回收再利用之目的



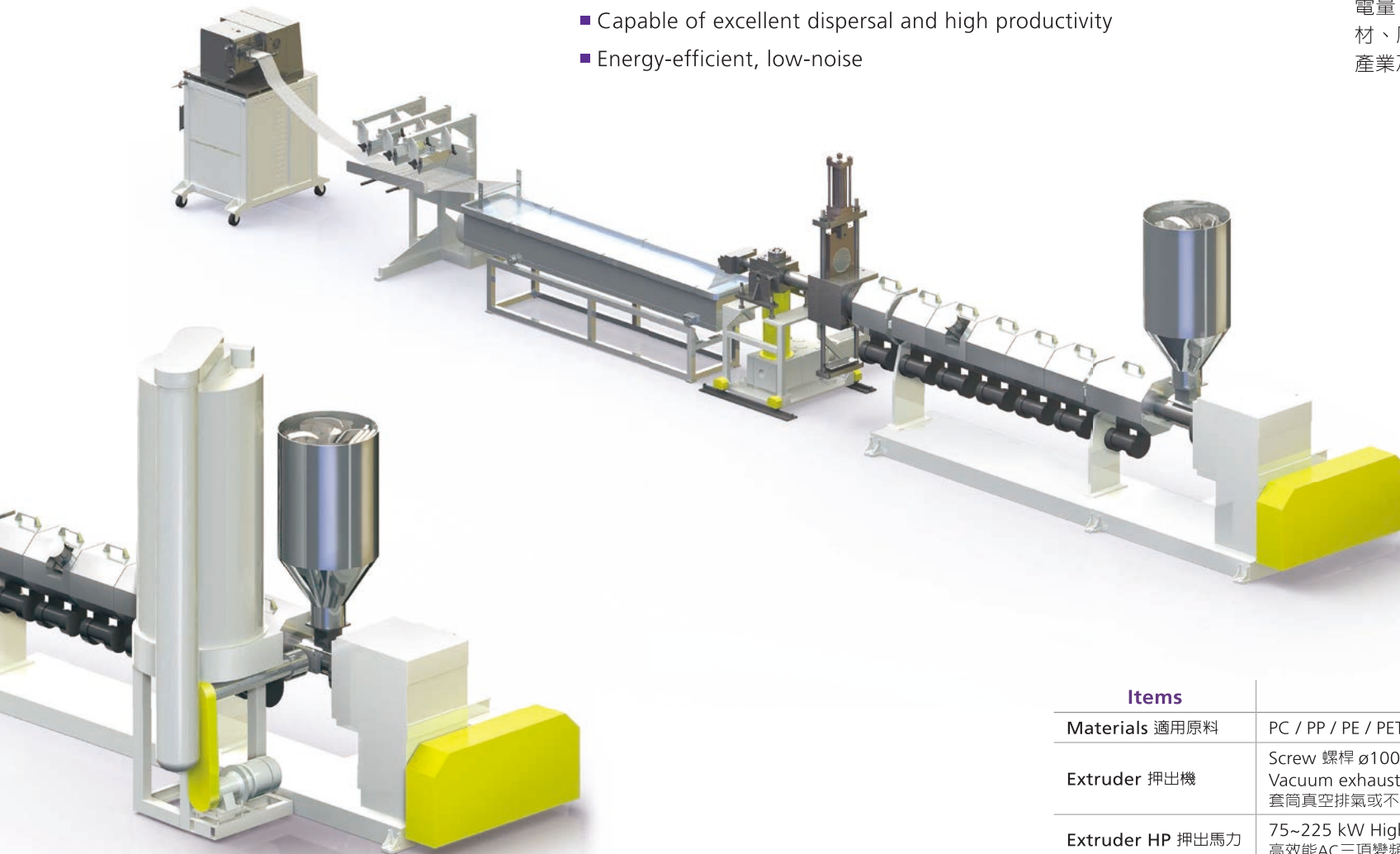
Strand Die 拉條模頭

Water Bath & Pelletizer 水槽和切粒台

Granulator 製粒機

- A variety of granulation processes can be utilized, including water bath, die-ring and underwater cutting.
- Processes a variety of crushed flakes, film scraps and bottle chips
- Capable of excellent dispersal and high productivity
- Energy-efficient, low-noise

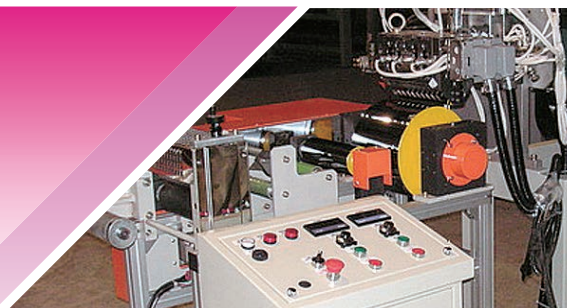
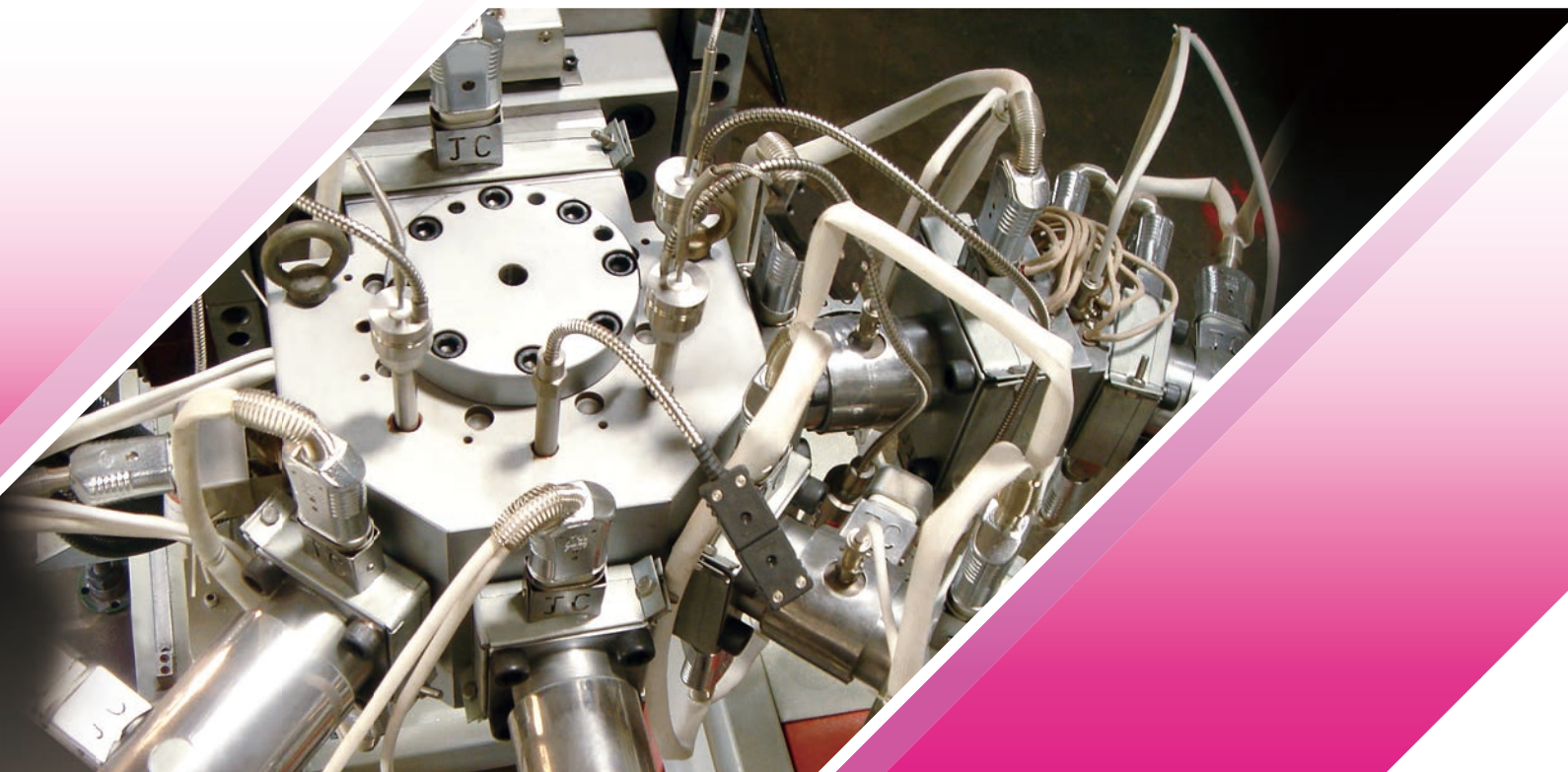
- 針對不同塑料特性，可使用過水切，模頭切及水中切等方式造粒。
- 具高混煉、分散性好、高效率、高產能、低耗電量、低噪音之特性，適用於多種不同粉碎片材、厚薄膜及瓶料之再生製粒，符合目前環保產業及希望降低成本之導向之企業的需求。



Items	Descriptions
Materials 適用原料	PC / PP / PE / PET / ABS / PMMA
Extruder 押出機	Screw 螺桿 $\phi 100$ mm, $\phi 120$ mm, $\phi 150$ mm Vacuum exhaust on cylinder available depending on material 套筒真空排氣或不排氣可依料性不同而選擇
Extruder HP 押出馬力	75~225 kW High efficiency AC 3 phase converter motor 高效能AC三項變頻專用馬達
Productivity 產能	350 - 1200 kg/hr

Reducing costs and improving quality

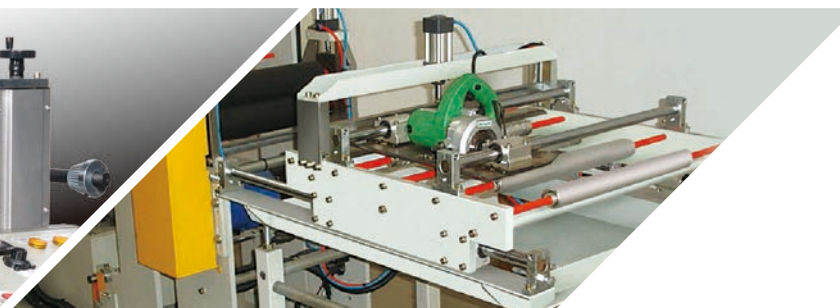
降低成本提高品質的好夥伴



Cast Lab Line 流延實驗機



Calendar Lab Line 壓延實驗機



Cross Cutter & Pull off Unit 引取及裁斷機構

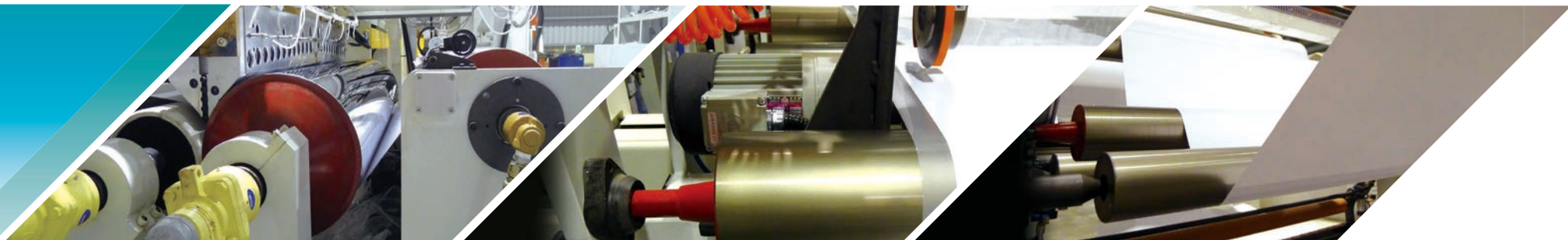
Testing Machine 實驗機

Testing a manufactured product is a critical step in the production process. Plastic processing companies rely on specialized equipment to test a polymer's color-matching and mechanical

properties, including stretch, curve and shear. This testing, which is vital to quality control and development, as well as helps the waste reducing.

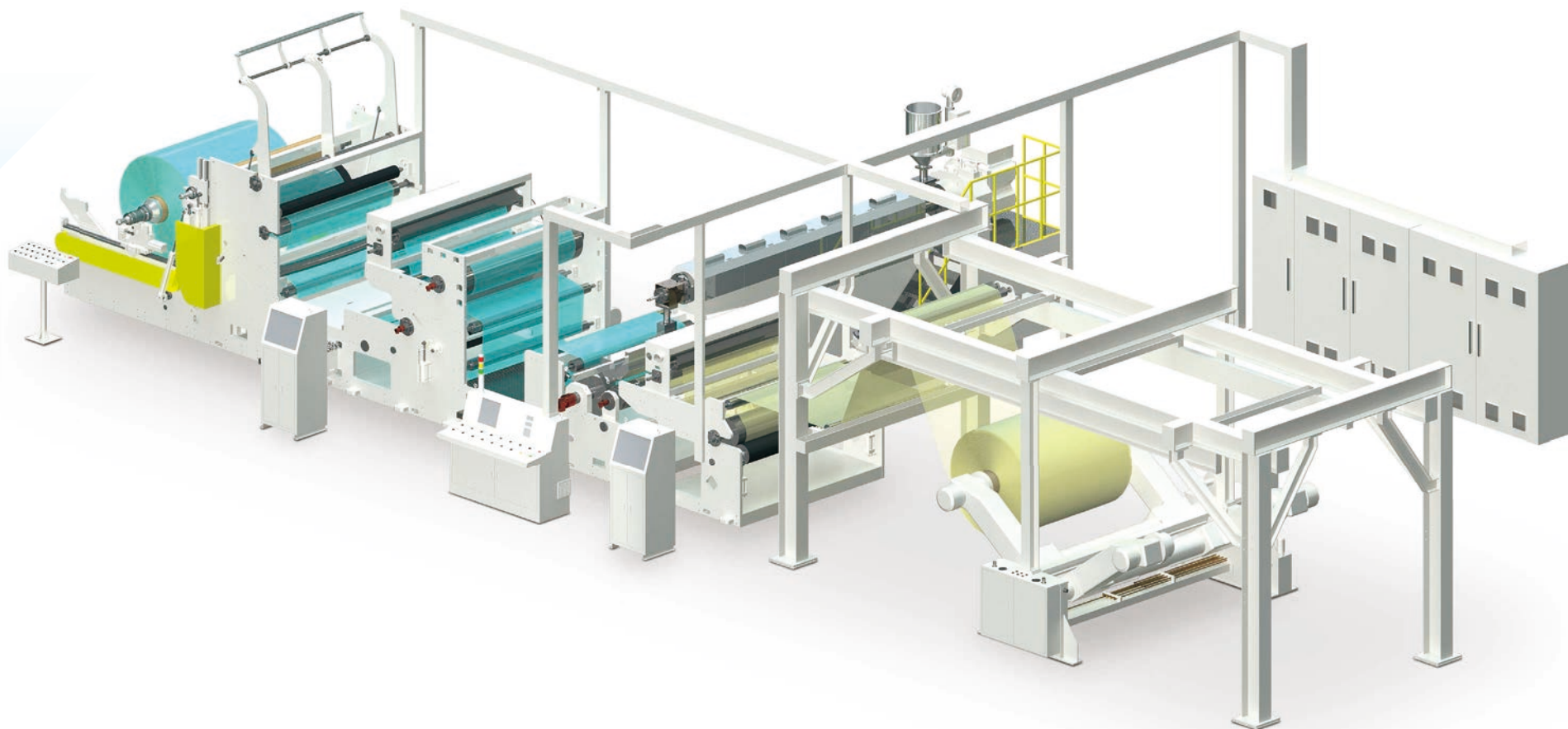
塑料加工企業都在購買所謂的“萬能”試驗機，利用它來進行拉伸、彎曲、剪切、對色、製程等試驗，以對更多的原料配方及機械性能進行評價、應用開發研究以及質量控制。透過這樣的實驗還可減少量產機的廢料率，從而實現了真正的收益。





Single Side Laminating Machine

單面淋膜機

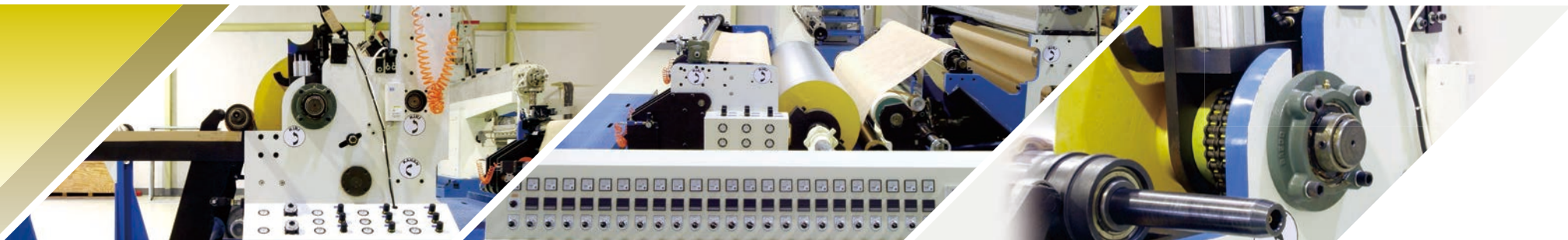
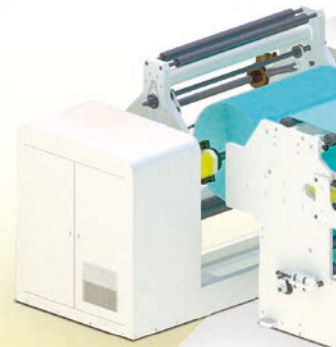
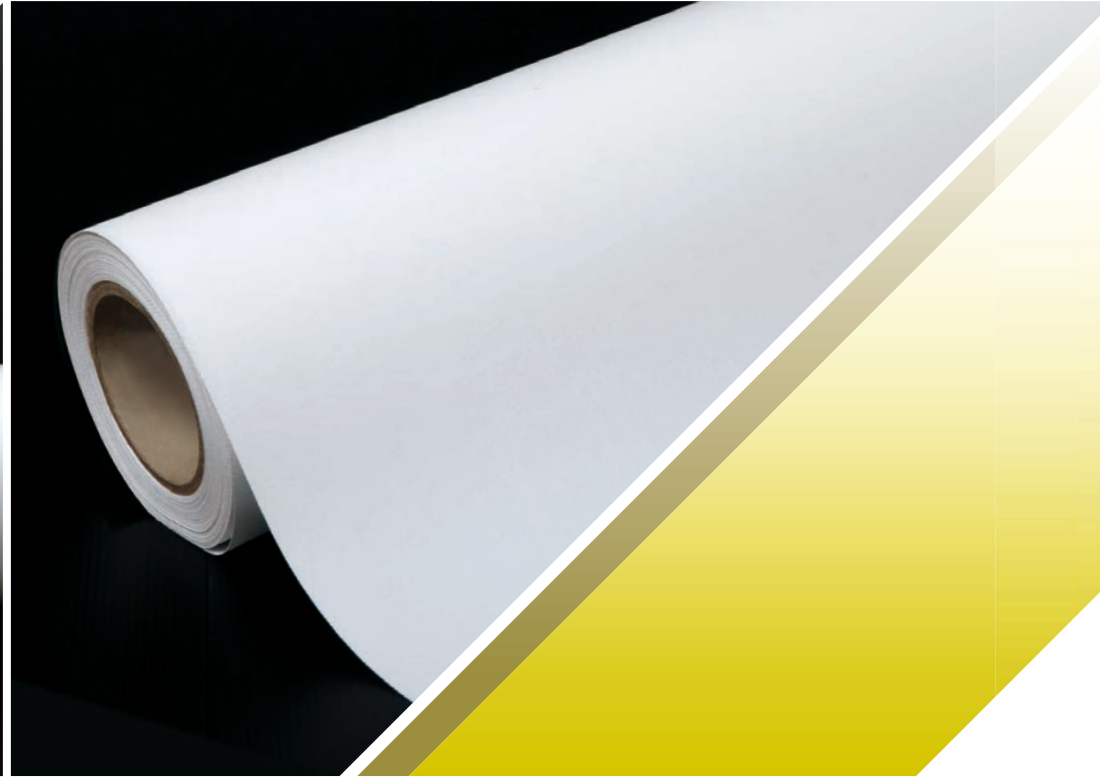
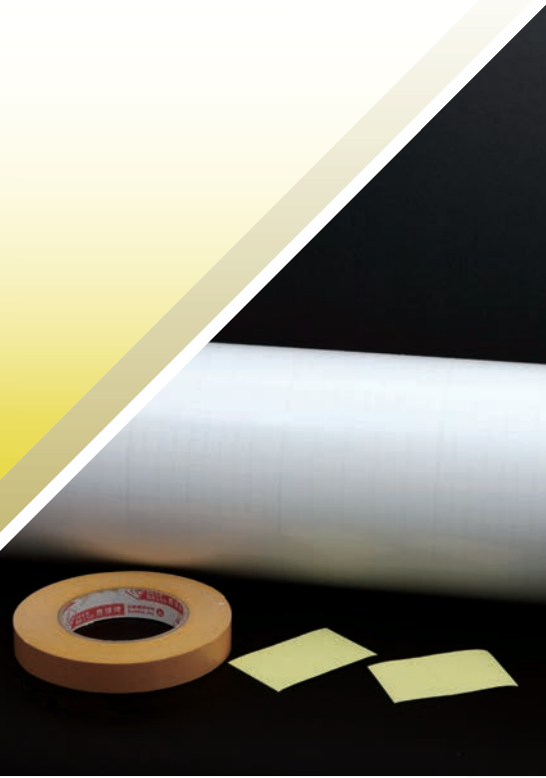


Items	Descriptions
Laminating Machine 淋膜機	Main screw 主螺桿 $\phi 75 - 150$ mm, Auxiliary screw 輔助螺桿 $\phi 55 - 100$ mm
Horse Power 馬力	75 - 300 HP
Output 產能	100 - 450 kg
Line Speed 速度	100 - 300 m/mins
Laminating Width 淋膜寬度	800 - 4,300 mm
Laminating Thickness 淋膜厚度	8 - 40 μ

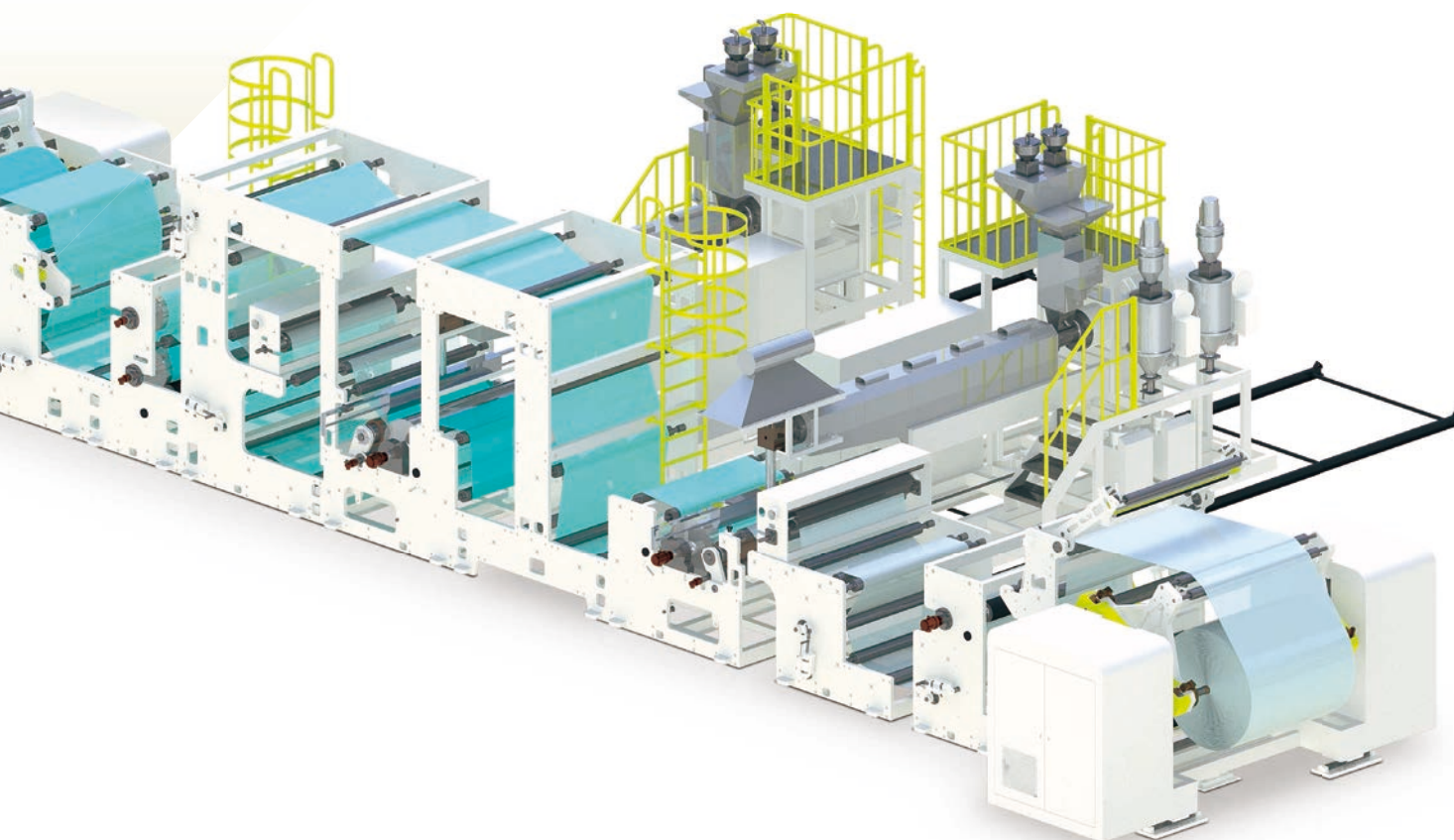
Items	Descriptions
Laminating Substrate 淋膜基材厚度	12 - 500 μ
Applications 用途	Paper container / Disposal paper cup / Meal box 紙製容器 / 免洗紙杯 / 餐盒
Extrusion Material 壓出原料	PE / PP / PLA
Laminating Substrate 淋膜基材	Paperboard / Composite materials 紙板 / 複合材料

Double-side PE release paper is moisture-proof, anti-curling, and endures high temperature.

雙面 PE 離型紙具有防潮濕，不易捲曲，耐高溫的特性



Tandem (Double Sides) Extrusion Laminating Machine 雙面淋膜機



- High efficiency
- Smooth, even lamination
- Easy to operate
- Turret auto change system (no need to reduce speed)
- 效率高
- 淋膜均勻度平均
- 人性化設計
- 全自動接換子系統 (無需降速)

Items	Descriptions
Laminating Machine 淋膜機	Main screw 主螺桿 $\phi 75 - 150$ mm, Auxiliary screw 輔助螺桿 $\phi 55 - 100$ mm
Horse Power 馬力	75 - 300 HP
Output 產能	100 - 450 kg/hr
Line Speed 速度	100 - 300 m/min
Laminating Width 淋膜寬度	800 - 4,300 mm

Items	Descriptions
Laminating Thickness 淋膜厚度	8 - 40 μ
Laminating Substrate 淋膜基材厚度	12 - 200 μ
Applications 用途	Labels, Adhesive tape & other adhesive industrial materials 各式標籤、膠帶或有黏性工業品的常用材質
Extrusion Material 壓出原料	PE / PP / PLA
Laminating Substrate 淋膜基材	Paper / Aluminum foil / PET / BOPP 紙 / 鋁箔 / PET / BOPP



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PRODUCTS

- Testing Machine
- Granulator
- Micro / Nano-layer Film Extrusion Line
- PC / PP & PE Hollow Profile Sheet Extrusion Line
- PET Bi-Orientation Line
- Flat & Corrugated Sheet Production Line

