

展覽手冊

SHOW GUIDE

Fast response

Customer oriented

Service differentiation



Chinaplas® 2018
国际橡塑展

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National Exhibition & Convention Center (NECC),
Hongqiao, Shanghai, PR China

展位號碼 **Booth No. 3H B61**

iMF 4.0

智慧製造工廠 Intelligent ManuFactory

- **生產穩定** - 射出機具有自動調整以適應生產條件的輕微波動。
- **生產優化** - 應用製程品質感知技術提升生產品質良率，降低生產浪費。
- **智能生產** - 機器與周邊相互通信並自主對應地控制製程，生產資訊流的無縫聯網生產。
- **智能服務** - 大量使用智慧監控和遠程維護工具，減少意外停機與有效計劃維護。
- **Stabilization** - The injection machine has adaptive control to meet the slight fluctuations in production conditions.
- **Optimization** - Applying process quality sensor monitoring to improve production quality and reduce production waste.
- **Automation** - The machine and periphery communicate and share production information with each other to autonomously control the process quality.
- **Intellectualization** - Extensive use of smart monitoring and remote maintenance tools to reduce unplanned downtime, and to plan effectively maintenance.



高效能全電式射出成型系統

All-Electric Molding System



全電式注塑機

All-Electric Injection Molding Machine

- 具備良好環保性能之低噪音、低振動、潔淨與節能等特點。
- 搭載智慧化流動平衡模組監控系統，熔體流動波前差異自動補償，提高各穴產品品質一致性。
- 控制器具擴充性及EtherCAT與Modbus通訊介面，快速整合相同介面輔機，達到統一集中管理並提升生產效能。
- With advantages of low noise, low vibration, low pollution, and low energy cost.
- Adopting intelligent flow balancing control system, the melt differences in cavities would be compensated automatically, which increases the consistency.
- Controller via EtherCAT and Modbus communication interface would increase the integration and production efficiency.

機器規格 Specification

機器型號	Machine Model	HE-300
鎖模力	Clamping Force	300 tonf
螺桿直徑	Screw Diameter	55 mm
射出速度	Injection Speed	250 mm/sec
大柱內距	Distance Between Tie Bars	720 x 720 mm

產品 Product

名稱	Part	冰淇淋杯 (Ice Cream Cup)
容量	Volume	100 ml
厚度	Thickness	0.45 mm
模穴數	Cavities	4+4
原料	Material	PP
成型時間	Cycle Time	7 sec

合作夥伴 Project Partners

堆疊模 Stack Mold	 德靈 CNN	供料系統 Material Feeding	 信易
熱澆道 Hot Runner	 長新	冷凍機 Chiller	 玉鼎
塑料 Plastic Material	 博祿	感測器 Sensor	 雙葉
自動化設備 Automation	 威得客		 科材 SENSORMATE

精密節能雙色成型系統

Precision Power-Saving Multi-Component Molding System



雙伺服節能雙色注塑機

Servo Power-Saving Multi-Component Injection Molding Machine

- 由伺服電機控制轉盤動作，轉動時間可縮短50%以上，速度切換更平穩，定位更精準。
- 高效節能雙伺服動力系統，符合國家一級節能標準。(≤0.40kw h/kg)
- 專利轉盤定位夾具，定位精準，確保模具壽命。
- Rotary table controlled by servo motor could shorten rotary time by more than 50%, with more stable rotary speed switch and more precise positioning.
- Adopting high efficiency double servo power system which is certified the first grade of national power saving standard (≤0.40kw h/kg).
- With accurate rotary positioning clasper, it protects the mold.

機器規格 Specification

機器型號	Machine Model	FB-280R
鎖模力	Clamping Force	280 tonf
螺桿直徑	Screw Diameter	45 / 45 mm
轉盤容模直徑	Rotary Table Diameter	1050 mm
大柱內距	Distance Between Tie Bars	950 x 540 mm

產品 Product

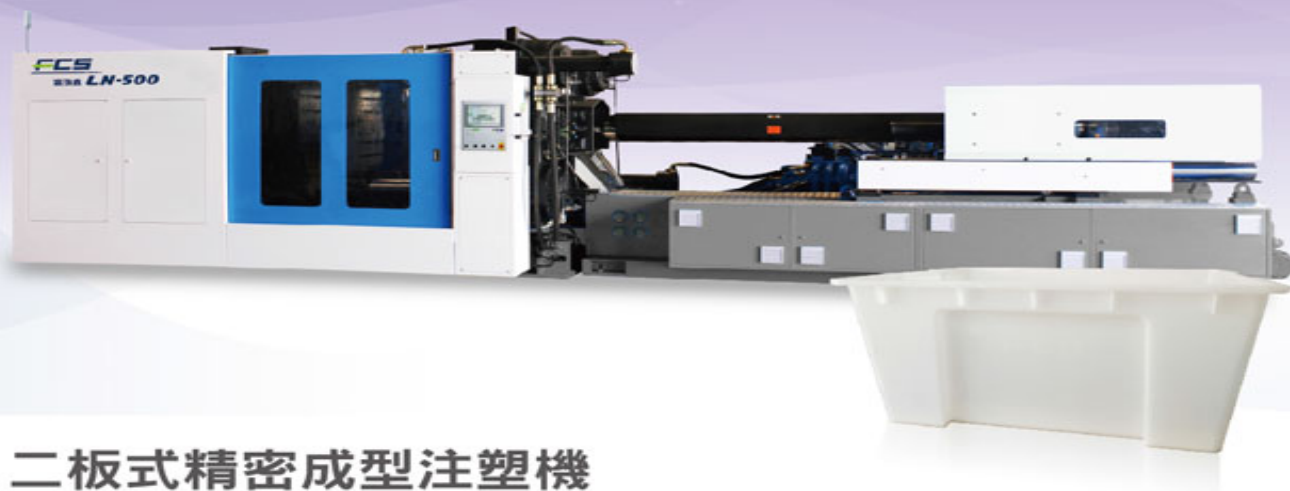
名稱	Part	雙色折疊籃 (Collapsible Strainer)
尺寸	Size	260 x 213 x 30 mm
重量	Weight	170 g/pcs
模穴數	Cavities	1+1
原料	Material	PP+TPE
成型時間	Cycle Time	30 sec

合作夥伴 Project Partners

模具 Mold Supplier	 梵科	塑料 Plastic Material	 中國石化 SINOPEC
熱澆道 Hot Runner		輸送帶 Conveyer Belt	
機械手 Robot System	 SEPRO	供料系統 Material Feeding	 信易
自動化設備 Automation		冷凍機 Chiller	

二板式精密成型系統

Two-Platen Molding System



二板式精密成型注塑機

Two-Platen Injection Molding Machine

- 鎖模機構短，可節省30%廠房空間；且調模快速，僅需5-10秒。
- 採用Rexroth電磁閥控制加壓缸，鎖模力精確，達到誤差值 $\pm 1\%$ 內。
- 鎖模系統無肘節磨耗問題，故可減少潤滑需求與維護成本。
- Two-platen structure has shorter clamping unit which saves the footprint up to 30%, and mold-adjusting only takes 5-10 seconds.
- Rexroth solenoid valve control provides high accuracy of clamping force, the error achieves under $\pm 1\%$.
- Clamping unit without toggle structure which reduces lubrication and maintenance cost.

機器規格 Specification

機器型號	Machine Model	LN-500
鎖模力	Clamping Force	500 tonf
螺桿直徑	Screw Diameter	85 mm
模壁最大間距	Daylight	1650 mm
大柱內距	Distance Between Tie Bars	910 x 810 mm

產品 Product

名稱	Part	整理箱 (Finishing Box)
尺寸	Size	472 x 375 x 256 mm
厚度	Thickness	1.8 mm
重量	Weight	845 g/pcs
原料	Material	PP
成型時間	Cycle Time	20 sec

合作夥伴 Project Partners

塑料 Plastic Material		中國石化 SINOPEC	輸送帶 Conveyer Belt	
機械手 Robot System		庫卡	供料系統 Material Feeding	 信易
自動化設備 Automation		度庫	冷凍機 Chiller	
加料馬達 Feeding Motor		包米勒	感測器 Sensor	 雙葉

模內貼標生產系統

In Mold Labeling Turnkey Solution



高性能精密節能注塑機

High Performance Energy-Saving Injection Molding Machine

- 高剛性夾模機構，確保機台穩定性。
- 高響應伺服動力系統，提高機台應答性。
- 伺服電動加料，實現邊加料邊開模，定位精準且節省能源。
- 配置德國Rexroth閉迴路伺服閥，高精度且高重現性。
- High rigidity clamping mechanism ensures the stability of the machine base.
- High-response servo power system improves the machine response.
- Servo electric charging works together with mold opening, which makes precise positioning and energy saving.
- Adopting Rexroth closed-loop servo valve to achieve high repeating precision.

機器規格 Specification

機器型號	Machine Model	HN-280p
鎖模力	Clamping Force	280 tonf
螺桿直徑	Screw Diameter	50 mm
射出速度	Injection Speed	229 mm/sec
大柱內距	Distance Between Tie Bars	610 x 610 mm

產品 Product

名稱	Part	酸奶杯 (Yogurt Cup)
容量	Volume	100 ml
厚度	Thickness	0.5 mm
模穴數	Cavities	8
原料	Material	PP
成型時間	Cycle Time	5 sec

合作夥伴 Project Partners

模 具
Mold Supplier



博來盛

熱 澆 道
Hot Runner

塑 料
Plastic Material



博 祿

機 械 手
Robot System



景 華
GECH

標 籤
Label



坤 邦
KUNBEI

供 料 系 統
Material Feeding

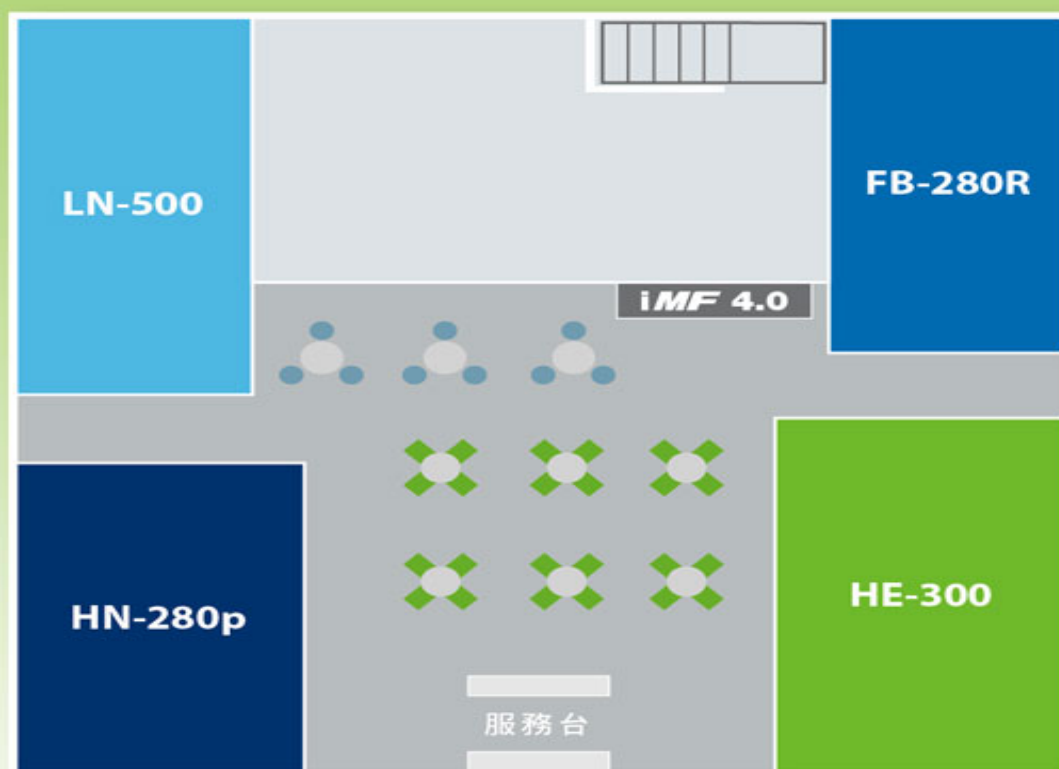
冷 凍 機
Chiller



信 易

計量色母機
Volumetric Doser

● 展位平面圖 / **BOOTH LAYOUT**



● 展期 / **Date: 4/24~4/27**

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