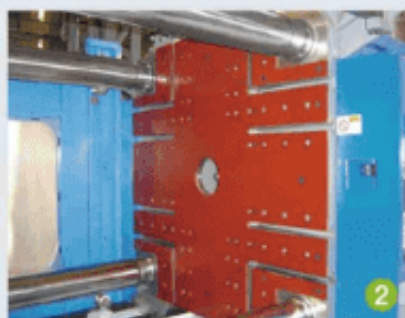
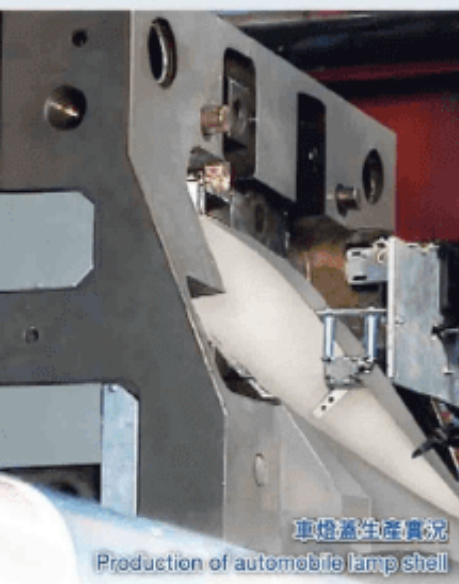




BMC *SERIES*

BMC專用射出機
BMC Injection Molding Machine

BMC系列產品定位 BMC Series Product Position

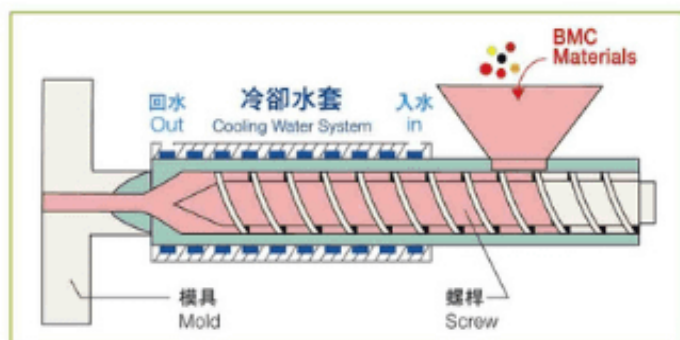


BMC屬於熱固性塑料的一種，具有耐高溫、耐燃性、耐蝕性、高機械強度、尺寸安定、電器絕緣等特性，廣泛用於汽車類零件、電子工業、家用電器及通訊器材的外殼及零件。

BMC (Bulk Molding Compounds) is a type of thermosetting plastic material which contains many properties including heat-resistance, flame-retardation, erosion-resistance, high mechanical strength, dimension stability and electrical insulation. It is widely used in numerous industries like automotive parts electronic component, household appliances and communication devices.

- 採BMC專用雙合金螺桿及料管，提供較佳的耐磨性和使用壽命。
- 程式整合澆口自動裁切功能。
- 冷卻水套集成在料管組內，確保BMC原料處於恆溫可控狀態。(圖 1)
- 車壁配置隔熱墊板，模溫控制更精準。(圖 2)
- 可搭配ACC蓄壓射出裝置，提供瞬間高速能量，進行高速射出成型。(圖 3)
- 選配模具抽真空迴路裝置（專利設計），使成型更精確，降低產品不良率。(圖 4)

- Adopt BMC special bi-alloy screw and barrel to provide a better wear resistance as well as longer life.
- Auto gate-cutting function is integrated in program.
- The cooling water system is integrated with barrel to ensure the constant temperature for the BMC material. (Figure1)
- The platen equipped with adiabatic spacer, it can let the mold temperature control more precise. (Figure 2)
- **Optional** : Applied to Accumulator for high-speed injection, it can supply high-speed capacity in a very short time and proceed high-speed molding. (Figure 3)
- **Optional** : Mold cavity vacuum equipment is optional, it can make molding more precise and decreasing defective rate of the product. (Figure 4)



1 冷卻水套系統
Cooling Water System

標準及選購配備 Standard & Optional Accessories

● 標準配備 Standard ○ 選購配備 Option — 無 N/A

配備項目	ITEM	HN-150 BMC	HN-250 BMC	HN-300 BMC	HN-350 BMC	HN-530 BMC	HN-600 BMC
射出安全護罩	Safety cover for injection	●	●	●	●	●	●
BMC專用螺桿	Special Screw for BMC	●	●	●	●	●	●
雙合金螺桿、料管	Bi-alloy Screw/Barrel	○	○	○	○	○	○
多段數位背壓 (螢幕設定)	Multi-stage back pressure control (Screen set up)	●	●	●	●	●	●
多段數位背壓 (螢幕設定及顯示)	Multi-stage back pressure control (Screen set up and display)	○	○	○	○	○	○
蓄壓器高速射出	Accumulator for high-speed injection	○	○	○	○	○	○
射出閉迴路	Close-loop control for injection pressure & speed	○	○	○	○	○	○
落料口溫度顯示及控制	Temperature display & control of feeding gate	○	○	○	○	○	○
射出電阻尺	L/P for injection unit	●	●	●	●	●	●
餵料電阻尺	L/P for feeding unit	●	●	●	●	●	●
曲肘：無給油軸承	Oilless bearing (Toggle)	●	●	●	●	—	—
曲肘：套鋼	Steel bearing (Toggle)	—	—	—	—	●	●
開關模比例閥控制	Proportional valve for mould open and close	○	○	○	○	○	○
模壁T型槽	T-slot platen	—	—	●	●	●	●
模壁T型墊板	T-slot board	○	○	—	—	—	—
隔熱墊板	Insulator sheets	●	●	●	●	●	●
活動式模定位圈	Check ring of mold (Replaceable)	—	●	●	●	●	●
固定式模定位圈	Check ring of mold (Non-replaceable)	●	—	—	—	—	—
安全踏板	Security Pad	—	—	—	—	—	—
曲肘電動注油器 (1組)	Auto lubrication system for toggle (1 set)	●	●	●	●	●	●
曲肘電動注油器 (2組)	Auto lubrication system for toggle (2 set)	—	—	—	—	—	—
曲肘潤滑油品-鋁基脂 (#00)	Toggle lubricating by grease (#00)	●	●	●	●	—	—
曲肘潤滑油品-多效齒輪油	Toggle lubricating by gear oil	—	—	—	—	●	●
車壁潤滑：電動注油器	Auto lubrication system (platen)	●	●	●	●	●	●
單中子 (一公)	Single core pull device	●	●	●	●	—	—
雙中子 (一公一母)	Double core pull device	○	○	○	○	●	●
轉牙裝置 (計時/計次)	Unscrew device by timer or counter	○	○	○	○	○	○
模具抽真空迴路裝置	Mould cavity vacuum equipment	○	○	○	○	○	○
夾模電阻尺	L/P for clamping unit	●	●	●	●	●	●
頂出電阻尺	L/P for ejection unit	●	●	●	●	●	●
兩個風托 (一公一母)	Air ejector sets	○	○	○	○	○	○
成品落下口	Article Collecting Channel	●	●	●	●	—	—
電動安全門	Automatic safety gate (Electric type)	—	—	—	—	●	●
水流分佈器 (銅製)	Water manifold (copper)	—	—	—	—	—	—
自封式磁性吸油過濾器	With check valve magnetic suction filter	—	—	—	—	●	●
伺服節能系統	Servo power-saving system	●	●	●	●	●	●
電眼檢出	Photo cell drop-out checking device	○	○	○	○	—	—
油溫顯示	Oil temperature display for hydraulic system	●	●	●	●	●	●
油溫省水閥控制	Water valve for hydraulic oil temperature control	○	○	○	○	○	○
油溫預熱功能	Oil temperature preheating function	○	○	○	○	○	○
FCS-6500S微電腦控制器 (彩色)	FCS-6500S controller (color screen)	●	●	●	●	●	●
資料保護鎖 (硬體鎖)	Data lock function (key)	●	●	●	●	●	●
機械手電氣接口	Robot electrical interface	○	○	○	○	○	○
電控穩壓器	Power stabilizer	○	○	○	○	○	○
三色警示燈	Three colors alarm light	●	●	●	●	●	●
CE安全插座	CE safety socket	●	●	●	●	●	●
電源插座	Power socket (110V/220V)	○	○	○	○	○	○
主電源斷路器	Main power breaker	●	●	●	●	●	●
油壓、電氣雙重保護裝置	Dual safety device: hydraulic and electrical	●	●	●	●	●	●
機械安全桿保護裝置	Mechanical Safety bar Protection device	○	○	○	○	○	○
模溫機	Mold temperature controller	○	○	○	○	○	○
冷凍機 (料管用)	Chiller for barrel	●	●	●	●	●	●
吊桿組	Mold lifting hanger set	○	—	—	—	—	—
避震器	Anti-vibration mounting pad	●	●	●	●	●	●
填料台	Filling material stand	●	●	●	●	●	●
工具箱組	Tool box set	●	●	●	●	●	●
電氣及其他附件	Accessory for electrical and others	●	●	●	●	●	●

* 模具加熱控制方式及附加配備製作方式另議。The ways of mold heating controlling and additional equipment making are considered separately.

* 冷凍機附水流分佈器(料管用)。Chiller with water manifold. (for barrel)

* 曲肘潤滑油品：150T-350T採用鋁基脂(#000)；470T-1000T採用多效齒輪油。Toggle lubricating: 150T-350T by grease (#000)；470T-1000T by gear oil.

* 機台模壁若加裝T型墊板，會使模厚及頂出行程的規格改變。If clamping unit adopting T-slot board, the "mold thickness" & "ejector stroke" dimensions will be different.

* 外銷機台配置與內銷相同。

優異特點 Specific Features



● 新式調模機構

調模機構與調模壁採整體式設計，使四支大柱受力均勻，鎖模力調整簡易準確。

● New Mold Adjusting Mechanism

The new mold adjusting platen mechanism design doesn't require its mounted nut for torque tuning and distributes force evenly on the tie bars.

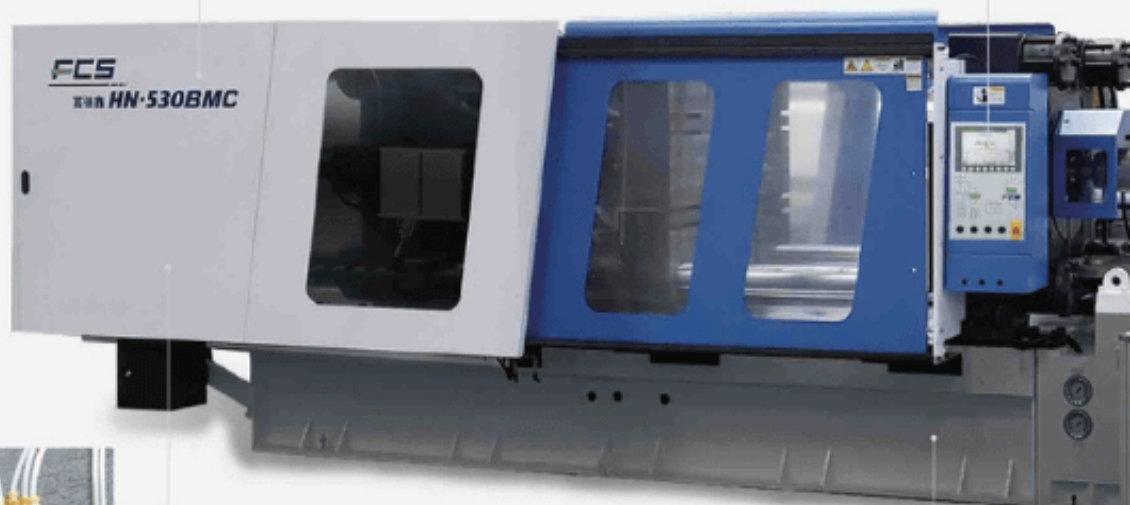


● 高端控制器

採用網路射出機專用系統，人性化操作介面，系統反應速度高達1ms，精度更高、操作方便，擴展性更好。

● High-End Controller

Applying network control system capacity with user friendly operation interface and high speed central processor, which offers high response and easy extending.



● 自動潤滑系統

循環式電動注油系統，油量分配平均，潤滑效率高，增長曲肘壽命。

● Automatic Lubrication System

An automatic lubrication system circulates and distributes oil equally for greater efficiency in lubrication and enhanced toggle life.



● 高剛性機架結構

精簡堅固之設計，經有限元素分析變形量及應力分佈，確保機架結構及強度達到最佳化，使BMC系列機種「穩如泰山」。

● Highly Rigid Structure Frame

Designed based on Finite Element Analysis (FEA) for Stress and Strain effects to ensure the BMC's excellent frame structure.

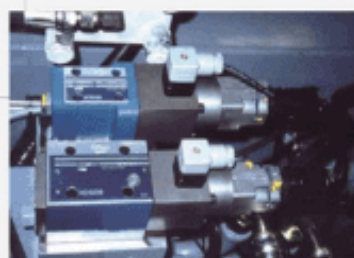


● 新式專利射移結構

新型導柱式結構，跨距縮短，避免料管前傾及導柱下垂變形。使用二硫化鉬塗佈襯套，阻力小，移動快速，且永久免潤滑，潔淨度高。

● New Patented Injection Sliding Structure

The new pillar guiding plate structure is shortened to avoid barrel inclination and deformation. And with Molybdenum Disulfide coated bushings, it produces a less resistant, faster moving, very clean, oil-free injection sliding structure.



● 半閉迴路系統 (選購)

配置半閉路油壓控制系統，有效提升成型穩定性。

● Semi-closed Loop System (Optional)

Adopts a semi-closed loop hydraulic system to effectively promote molding stability.



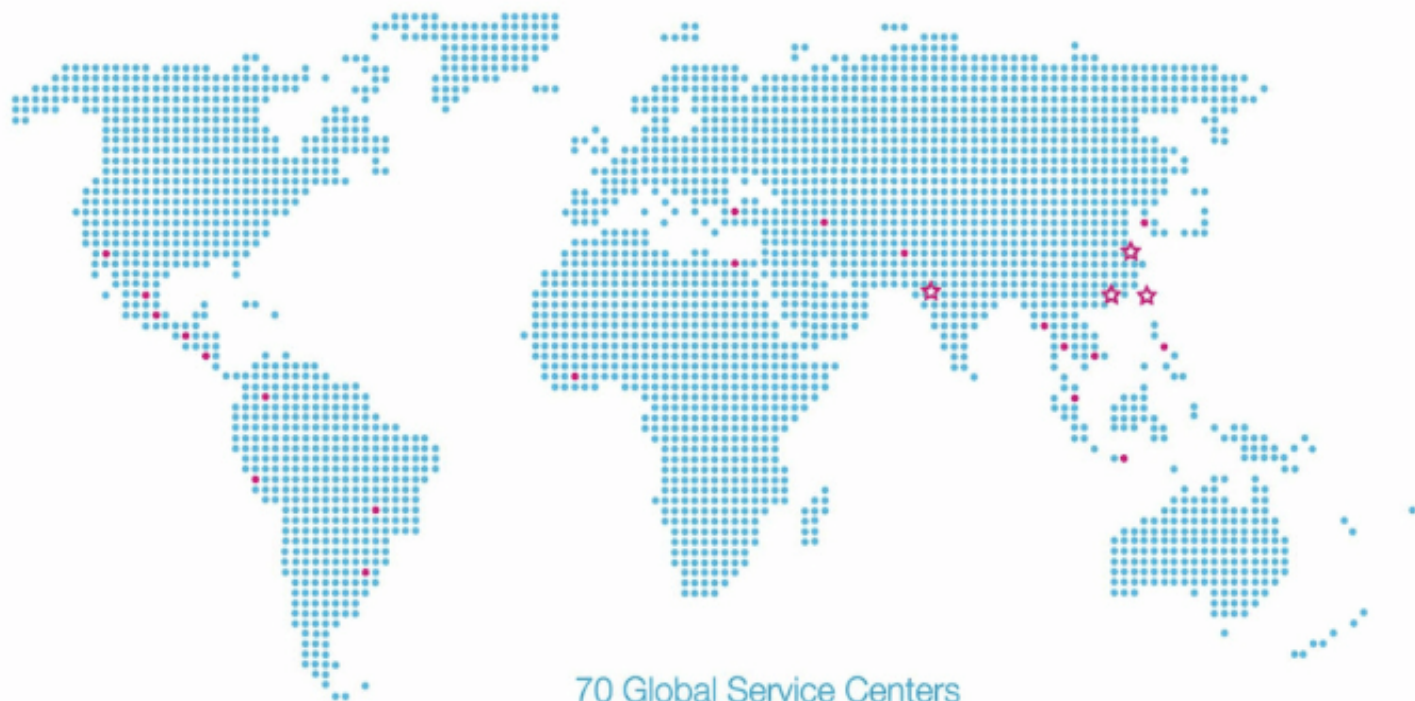
● 數位背壓裝置

可直接從電控螢幕設定背壓，操作簡易。

● Digital Back Pressure Installation

The back pressure can be directly changed and set on the controller for easy operation.

【全球行銷服務網】Global Marketing Network



富強鑫集團 FCS Group



富強鑫精密工業股份有限公司

Fu Chun Shin Machinery Manufacture Co., Ltd.

71841 臺灣台南市關廟區埤頭里保東路269號
No.269, Baodong Road, Pitou Village, Guanmiao District, Tainan City 71841, Taiwan
TEL: +886-6-5950688 • FAX: +886-6-5951129 • E-mail: fcsco@fcs.com.tw

東莞富強鑫塑膠機械製造有限公司

Dongguan Fu Chun Shin Plastic Machinery Manufacture Co., Ltd.

中國廣東省東莞市大朗鎮石廈管理區金廈東路18號 郵編: 523792
No.18, Jinsha East Road, Shixia Administration District, Dalang Town,
Dongguan City 523792, Guangdong Province, China
TEL: +86-769-83313753 • FAX: +86-769-83181903 • E-mail: cdg@fcs.com.tw

富強鑫(寧波)機器製造有限公司

Fu Chun Shin (Ningbo) Machinery Manufacture Co., Ltd.

中國浙江省寧波市江北區海川路115號 郵編: 315032
No.115, Haichuan Road, Jiangbei District, Ningbo City 315032, Zhejiang Province, China
TEL: +86-574-56138688 • FAX: +86-574-56138600 • E-mail: cnb@fcs.com.tw

印度富強鑫

FCS Manufacturing (India) Private Limited

Block Number 218, Xcelon Industrial Estate, Near Intas Pharmaceutical, Village Chancharvadi Vasna,
Sarkhej Bavla Road, Taluka Sanand, Ahmedabad, Gujarat - 382213
TEL: +91-99-98897768 • E-mail: fcsco@fcs.com.tw

