

CLAMPING	鎖模	單位 (Unit)	DC-550TCL-P		
Clamping force	鎖模力	Ton	550		
Die platen dimensions	模板尺寸	mm	1070 x 1070		
Distance between tie bars	繫桿間隔	mm	750 x 750		
Tie bar diameter	繫桿軸徑	mm	150		
Clamping capacity (Max.)	夾模容量 (最大)	mm	850		
Clamping capacity (Min.)	夾模容量 (最小)	mm	350		
Die stroke	開模行程	mm	560		
INJECTING	射出				
Injecting force	射出力	Ton	50		
Pressure boost	增壓力	Rate	1 : 2.3		
Injecting stroke	射出行程	mm	580		
Plunger tip penetration	射出突出量	mm	250		
Injecting position	射出位置	mm	0~175		
EJECTING	押出				
Ejecting force	押出力	Ton	25		
Ejecting stroke	押出行程	mm	0~120		
CORE	中子				
Solenoid valve	中子電磁閥	Pcs	中子1 1/2" x 1 ; 中子2 1/2" x 1		
Oil outlet	油管取出口	set	PT 中子1 3/4" x 2 ; PT 中子1 3/4" x 2		
ELECTRICAL	電氣				
Motor	馬達容量	HP	60		
Die adjustment motor	調模馬達	HP	2		
CASTING ABILITY	壓鑄能力		550T		
Plunger diameter (mm)	柱塞直徑		70	80	90
Casting pressure (kgf/cm <sup>2</sup> )	鑄造壓力		993~1263	760~967	601~764
Casting area (cm <sup>2</sup> )	鑄造面積		494~388	657~507	816~642
Casting Volume (cm <sup>3</sup> )	鑄造容積		1673	2185	2766
Shot weight (kg)	鑄造重量		4.35	5.68	7.19

- Specifications and design characteristics are subject to change without prior notice.
- 本公司對產品規格，設計特性均不斷研究改進，上述規格若有變更，恕不另行通知。

 **金賢發機械有限公司**  
**CHIN HSIEN FA MACHINERY CO., LTD.**  
 公司: 新北市新莊區思源路94巷17號  
 Office: No.17, Ln. 94, Siyuan Rd., Xinzhuang Dist.,  
 New Taipei City 242, Taiwan.  
 TEL: 886-2-2991-1949  
 FAX: 886-2-2276-3697

台中廠: 台中市神岡區庄前路74-5號  
 Factory: No.74-5, Zhuangqian Rd., Shengang Dist.,  
 Taichung City 429, Taiwan  
 TEL: 886-4-2561-3266  
 FAX: 886-4-2561-3154  
 E-mail: chf@chf-diecast.com.tw  
 http://www.chf-diecast.com.tw



# CHIN HSIEN FA

## Cold Chamber Die Casting Machine

### 鋁合金冷室壓鑄機



**金賢發機械有限公司**  
**CHIN HSIEN FA MACHINERY CO., LTD.**

# DC-550TCL-P Cold Chamber Die Casting Machine 鋁合金冷室壓鑄機

**High Productivity! Stable Structure!**  
**高產能! 結構穩定!**

The DC-550TCL-P die casting machine from Chin Hsien Fa is designed with 550 tons of clamping force and 1070 x 1070 mm of die platen. This machine is equipped with a multi-function human-machine interface controller, allowing for easy operation and higher accuracy. It's your best choice in die casting operations.

金賢發 DC-550TCL-P 壓鑄機，具有 550 噸鎖模力，適用模板尺寸 1070 x 1070 mm。本機搭載多功能人機介面控制，操控簡易，高精度。是壓鑄作業的最佳選擇。



## Human Machine Interfacing Control Personified Control! Easy to operate!

The Chin Hsien Fa DC-550TCL-P die casting machine is equipped with a well-planned human-machine interfacing controller. With the use of colorful touch-screen, all parameters are set conveniently and accurately. The screen provides Chinese and English display conversion.

人機介面控制器  
人性化! 操控簡易!  
金賢發DC-550TCL-P壓鑄機，配備精心規劃的人機介面控制器。採用彩色觸控螢幕。所有參數設定方便、精準。具有中、英文畫面顯示。

- Ejection mechanism is equipped with a potentiometer.
- Ensure higher positioning accuracy.
- 押出機構附電位計。
- 使定位精度更為精準。



- Die clamping mechanism is equipped with a potentiometer.
- Ensure higher positioning accuracy.
- 鎖模機構附電位計。
- 使定位精度更為精準。



- Injection unit is equipped with a magnetic scale, featuring high accuracy without backlash.
- 射出機構裝置非接觸式磁性尺，精準無背隙。



## Shot Pressure Boosting Adjustment Device

- Shooting adjustment range includes low speed, high speed and pressure boosting. Automatic adjustment control provides flexible adjustment. Also, adjustment can be made to suit product thickness variation for upgrading product accuracy.

### 射出增壓調整本體

- 射出調整範圍，可分為低速、高速、增壓三段，採自動調整控制，相互運用配合，並可按產品厚薄程度之需要變換、調整，以提高產品之精密度。



## Die Clamping Circuit

- The circuit consists of steel block with proportional valves and differential double circuit, providing extremely fast die clamping motion as that of a light duty machine. It increases die clamping speeds for time saving and achieves the highest production efficiency.

### 鎖模回路

- 使用鋼構內部之配管比例閥回路設計及差動雙回路，使鎖模速度具有小型機的靈敏，增加快速鎖模，節省時間，以達到最高之生產效率。



## Peripheral Equipment On-line Control Display

- The display provides on-line control functions for various automated peripheral equipment. Such as: Automatic ladle / Automatic sprayer / Automatic extractor

### 周邊設備連線控制畫面

- 此畫面提供各種自動化週邊設備之連線控制功能。包括：給湯機 / 噴霧機 / 取出機



## Die Clamp/Unclamp Display

- This display allows the operator to set moving speed at various positions in its entire die clamp/unclamp travel.

### 開關模畫面

- 可設定開關模全行程中各點之速度。



## Error Message Display

- During machine operation, if abnormal motion occurs, the operator may check the abnormal condition on the error message display.

### 異常訊息畫面

- 機器操作中如果發生異常現象，操作者可進入異常訊息畫面查詢異常情況。



## Injection Setting Display

- The display is used for setting high/low speed at various position for the injection unit.

### 射出設定畫面

- 提供射出機構各點高 / 低速度之設定。