# HIGH-PERFORMANCE INJECTION MOLDING ROBOT

高效能注塑機械手臂

hi-more.com

GT SERIES 850-950W

INTRODUCING
THE GT SERIES
OF HIGH-SPEED MACHINE

hi-more.com

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# GT SERIES 850-950W

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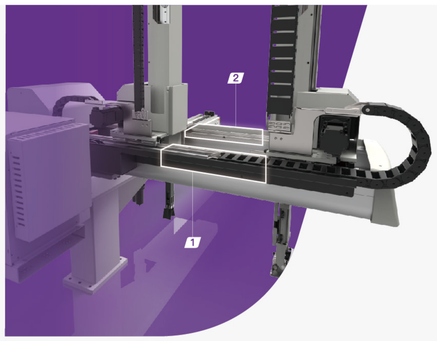
## POINT突破性技術 Breakthrough technology in POINT

**1** GT機型前後 滑軌變更在翅膀上方，維修時滑軌更換方便，水平式傳動滑軌跑動受力面積增加，提高強度和高信賴，增加滑軌安裝精密度，讓手臂不晃動更準確。增加Y軸滑軌壽命約30%，以及客戶端好保養打油，降低維修頻率。

The front and rear slide rail configuration of the GT model has been changed to be above the wings, making it easier to replace the slide rails during maintenance. The horizontal drive slide rail has an increased load-bearing area, improving strength and reliability, and enhancing the precision of slide rail installation, resulting in more accurate arm movement without shaking. The lifespan of the Y-axis slide rail is increased by approximately 30%, and client-side lubrication contributes to better maintenance, reducing the frequency of repairs.

**2** 前後軸THS系列為皮帶式傳動，GT機型改為排齒傳動提高剛性，減少粉塵的產生，減少污染更為環保。

The THS series in the previous and rear axes had a belt-driven transmission, while the GT model has been upgraded to a gear-driven transmission, improving rigidity and reducing the generation of dust. This modification helps minimize pollution and makes it more environmentally friendly.

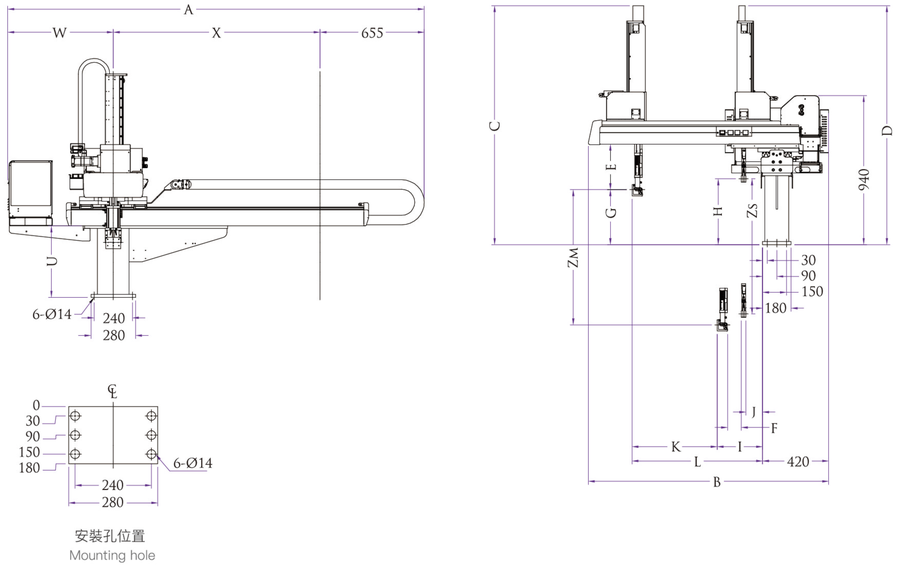



・GT的全周期時間 __6__ (Sec)
・取出周期時間 __2__ (Sec)

・Total cycle time of GT __6__ (Sec)
・Extraction cycle time __2__ (Sec)

**LNC-R6000數控機械手臂控制器**
LNC-R6000 Digital robotic arm controller

使用Linux 即時核心 Use Linux kernel
具備模具文件管理功能 Equipped with mold document management function
支援USB匯入/匯出模具文件 Support import/ export mold document via USB
提供堆疊功能以及堆疊參數畫面 Provide stacking function and screen of parameter stack
全圖形化介面 Full graphics interface
教導式輸入程式,簡單易學 Input procedure guidance, easy to learn.
內建軟體PLC(使用Ladder方式呈現) Embedded PLC software (Step Ladder Diagram, STL)




安裝孔位置
Mounting hole

| 型式 | A | B | C | D | E | F | G | H | I | J | K | L | P | X | U | W | Zm | Zs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTIII-850W | 2620 | 1515 | 1505 | – | 290 | – | 345 | – | 120 | – | 700 | 820 | 655 | 1300 | 450 | 670 | 850 | – |
| GTV-850W | (2830) (3100) (3280) | | | 1505 | | 87 | | 410 | 285 | 105 | 535 | | | (1500) (1780) (1960) | | | | 850 |
| GTIII-950W | 2830 | | 1565 | – | | – | | – | 120 | – | 700 | | | 1500 | | | 950 | – |
| GTV-950W | (3100) (3280) | | | 1565 | | 87 | | 410 | 285 | 105 | 535 | | | (1780) (1960) | | | | 950 |

| 型式 | 對象成型機 IMM(TON) | 最大可搬重量 PAYLOAD | 姿勢制御 WRIST ROTATION | 常用空氣壓力 COMPRESOR AIR COMSUMPTION | 電源 VOLTAGE | 常用空氣消耗量 AIR CONSUMPTION | 最大功率消耗 INPUT POWER |
|---|---|---|---|---|---|---|---|
| GTIII-850W | 300以下 | 5KG(含治具) | 90° | 0.5MPa | 三相AC220V±10% (50/60HZ) | 1.08 Nℓ/Cycle | 1.6KW |
| GTV-850W | | | | | | 1.15 Nℓ/Cycle | 2.4KW |
| GTIII-950W | | | | | | 1.08 Nℓ/Cycle | 1.6KW |
| GTV-950W | | | | | | 1.15 Nℓ/Cycle | 2.4KW |

註:
( )橫行行程延長規格，視選配末端支撐架
Ⅲ型:三軸AC驅動系列(主臂/上下/引拔/橫行)伺服驅動
Ⅴ型:五軸AC驅動系列(主臂/副臂/上下/引拔/橫行)伺服驅動
最大可搬重量為含治具重量

Lateral route extended specification, according to the optional end support bracket
Model Ⅲ : tri-axial AC drive series (main arm/crosswise/vertical/traverse) servo drive
Model Ⅴ : 5-axial AC drive series (main arm/vice arm/crosswise/vertical/traverse) servo drive
Max payload includes clamp weight