

## 微型電動缸系列優勢

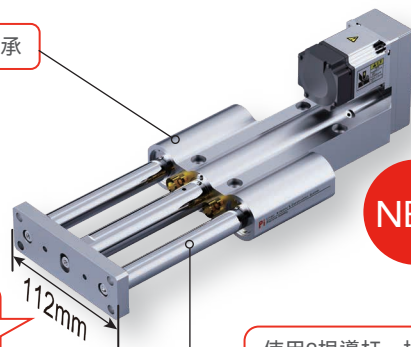
Advantages of Miniature Electric Cylinder Series

### 緊湊型

將導杆緊湊一體化  
實現耐橫向負載.高精度防迴轉

對應滑動軸承。球導向軸承

最小幅寬僅**112mm**  
所有機型均內置控制器。



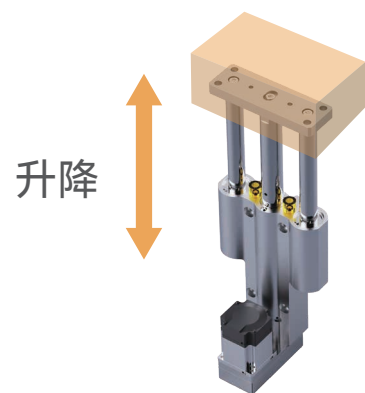
NEW

使用2根導杆，提高防迴轉精度

負載和安裝方式

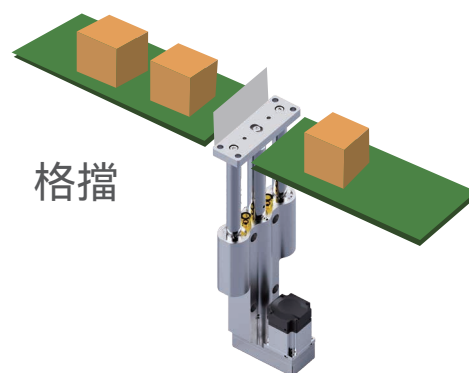
| 安裝方式 | 尺寸 | GTC16 | CTC25 |
|------|----|-------|-------|
| 水平使用 |    | 6     | 15    |
| 垂直使用 |    | 4     | 10    |

### 應用案例



升降

只能垂直安裝



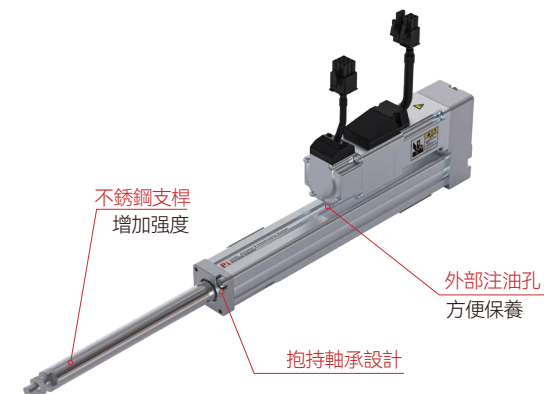
格擋

## 微型電動缸系列優勢

Advantages of Miniature Electric Cylinder Series

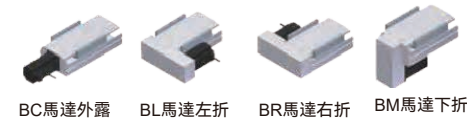
### 結構型

用於小型化、智能化、自動化  
產線中的物料推送裝置。



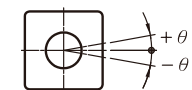
多樣馬達安裝位置  
Various motor mounting positions

- 多方向馬達安裝位置可供選擇，讓機台設計更有彈性。  
Multiple motor mounting positions are available, allowing for greater flexibility in machine design.

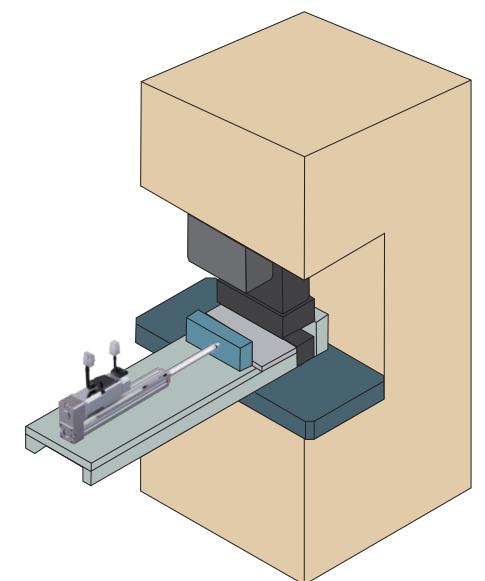


BC馬達外露 BL馬達左折 BR馬達右折 BM馬達下折

防止迴轉精度  
Preventing rotational accuracy



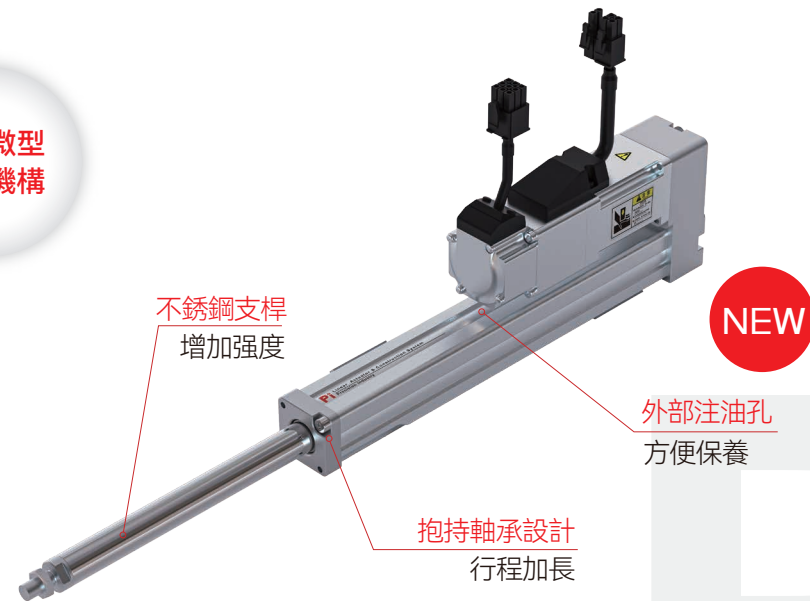
防止迴轉精度  
 $\pm 1^\circ$



## PC特點

### PC Series Features

全新微型  
設計機構



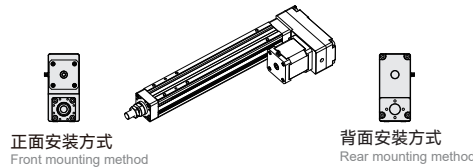
## 小型推桿電動缸

Kleiner elektrischer Linearantrieb

推桿式螺桿滑台

### 安裝面和孔位

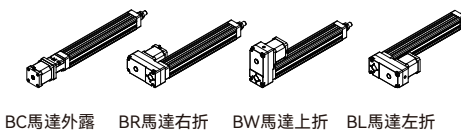
Mounting surfaces and holes



### 多樣馬達安裝位置

Various motor mounting positions

- 多方向馬達安裝位置可供選擇，讓機台設計更有彈性。  
Multiple motor mounting positions are available, allowing for greater flexibility in machine design.



### 標配外拉注油嘴

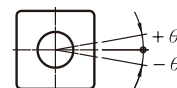
Standard configuration with external oil injection nozzle

- 全系列配置外部注油嘴，螺桿/滑軌可以同時注油，無須拆卸。  
The entire series is equipped with an external grease fitting, allowing simultaneous grease injection of the screw and slide rail. No disassembly required.



### 防止迴轉精度

Preventing rotational accuracy



防止迴轉精度  $\theta$   
 $\pm 1^\circ$

## STC特點

### STC Series Features

#### 上、下皆可鎖，安裝方便

Top-down, bottom-up mount. Easy to install.

- 不需拆卸鋼帶，即可由上往下固定或由下往上固定。
- 本體底部有定位PIN孔。
- Can be fixed from the top and bottom without removing the cover.
- Pin holes design.

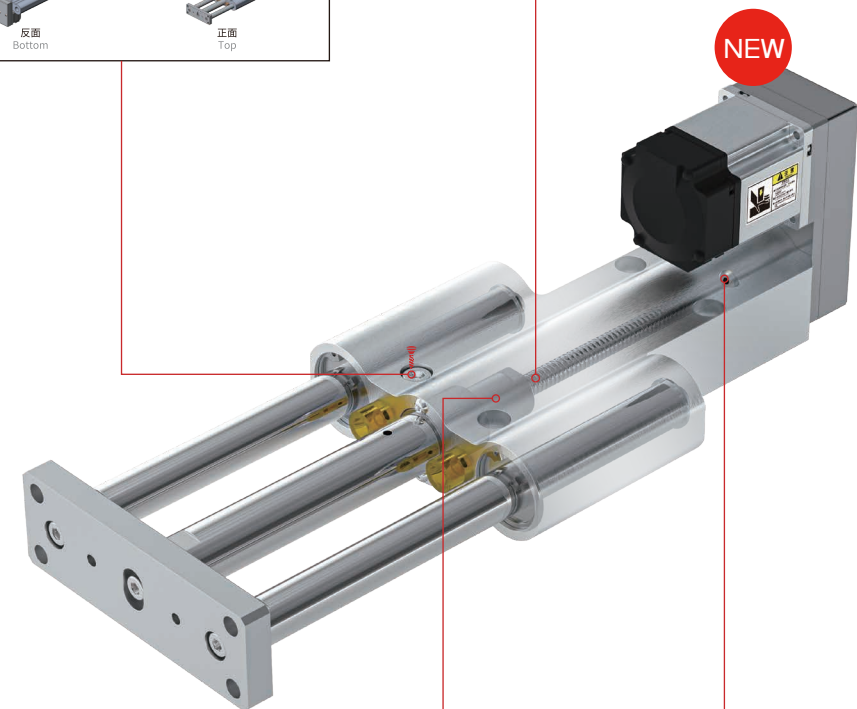


#### 定位精度高

High positioning accuracy

- 內嵌式滾珠滑軌，重複定位精度可達  $\pm 0.01\text{mm}$
- Patented embedded ball slide rail with repeatable positioning accuracy of  $\pm 0.01\text{mm}$

重複定位精度  
Repeatability  
 $\pm 0.01\text{mm}$



#### 長壽命

Long lifespan

- 長壽命與高可靠性：滾動摩擦磨損小，配合良好潤滑可顯著延長壽命；直線軸承抗污染設計提升可靠性。
- Long life and high reliability: low rolling friction and wear, combined with good lubrication, can significantly extend life; the anti-contamination design of linear bearings improves reliability.



#### 保養簡單

Easy to maintain

- 兩側標配加注油嘴，可外部注油，不須拆蓋。
- Features an external greasing system, allowing for easy maintenance without the need to remove the cover.



Memo

# PC

## PC 微型電動缸系列

PC High Rigidity Tiny Cylinder Series

### Contents

|                  |                                                                                       |                                                                                               |
|------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 小型 SMALL<br>PC16 |   | 本體寬幅 25mm<br>Width<br>最大行程 100mm.....016<br>Max. stroke<br>連續可搬重量 1.5kg<br>Continuous payload |
| 小型 SMALL<br>PC20 |  | 本體寬幅 34mm<br>Width<br>最大行程 300mm .....020<br>Max. stroke<br>連續可搬重量 10kg<br>Continuous payload |

滑台模組規格索引

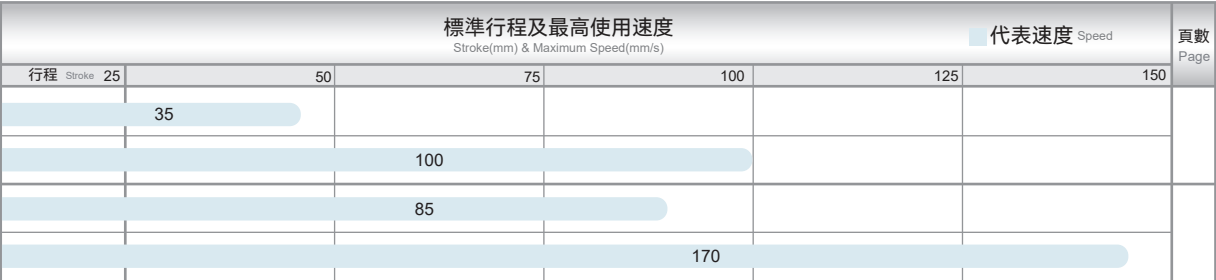
Spec Index of Electric Actuator

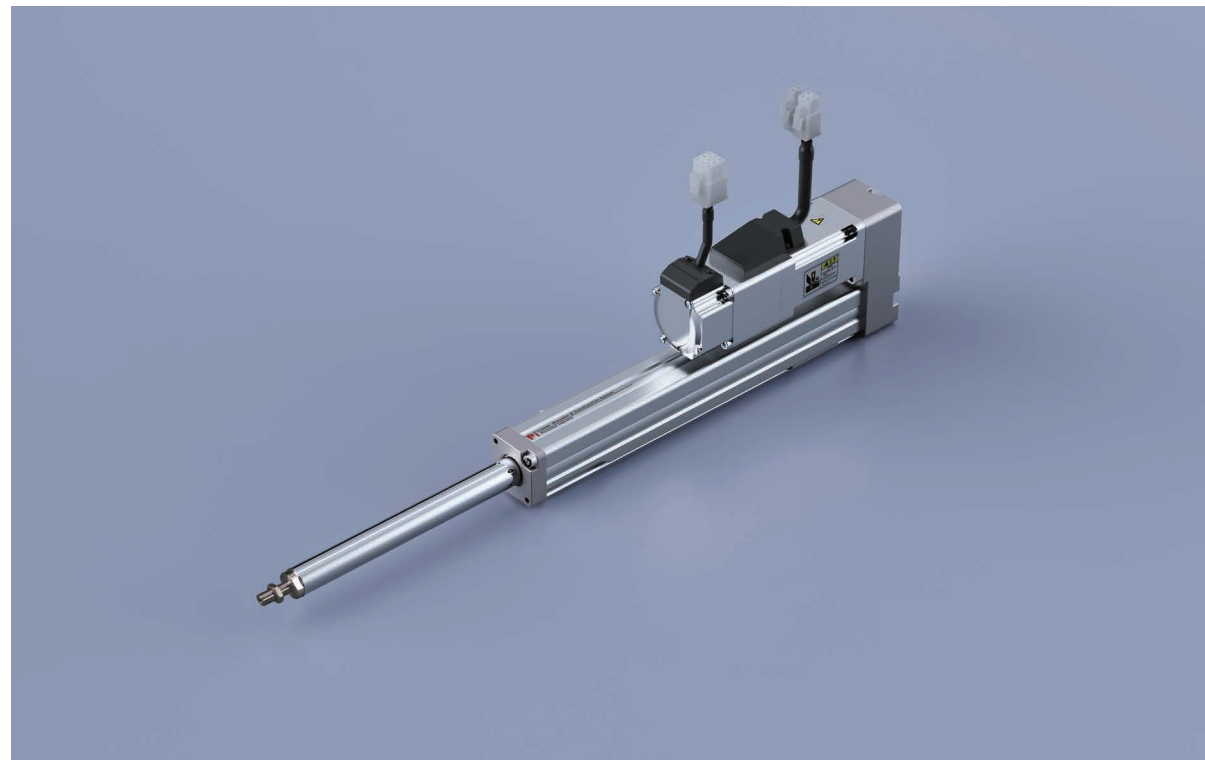
PC微型電動缸系列

PC Miniature Electric Cylinder Series

| 使用環境<br>Environment | 傳動方式<br>Driven Mode | 軌道形式<br>Guideway                     | 仕樣<br>Specification | 馬達功率<br>Home Sensor | 本體寬幅<br>Width(mm) | 位置重複精度<br>Repeatability(mm) | 螺桿規格 (C7 級)<br>Ball screw spec (Accuracy C7) |                | 最大可搬重量<br>Maximum Payload(kg) |                  | 最高速度*1<br>Maximum Speed (mm/s) |
|---------------------|---------------------|--------------------------------------|---------------------|---------------------|-------------------|-----------------------------|----------------------------------------------|----------------|-------------------------------|------------------|--------------------------------|
|                     |                     |                                      |                     |                     |                   |                             | 外徑<br>Outer Diameter(mm)                     | 導程<br>Lead(mm) | 水平使用<br>Horizontal            | 垂直使用<br>Vertical |                                |
| 一般環境<br>Standard    | 滾珠螺桿<br>Ball screw  | 軌道內嵌<br>Built-in linear motion guide | PC16                | 28                  | 30                | ±0.01                       | Φ6                                           | 2              | 4                             | 1.5              | 35                             |
|                     |                     |                                      |                     |                     |                   |                             |                                              | 6              | 1                             | 0.5              | 100                            |
|                     |                     |                                      | PC25                | 42                  | 45                | ±0.01                       | Φ10                                          | 5              | 10                            | 4                | 85                             |
|                     |                     |                                      |                     |                     |                   |                             |                                              | 10             | 6                             | 2                | 170                            |

\*1: 最高速度的使用條件有限制，請參閱各仕樣內頁的速度 - 荷重曲線圖。



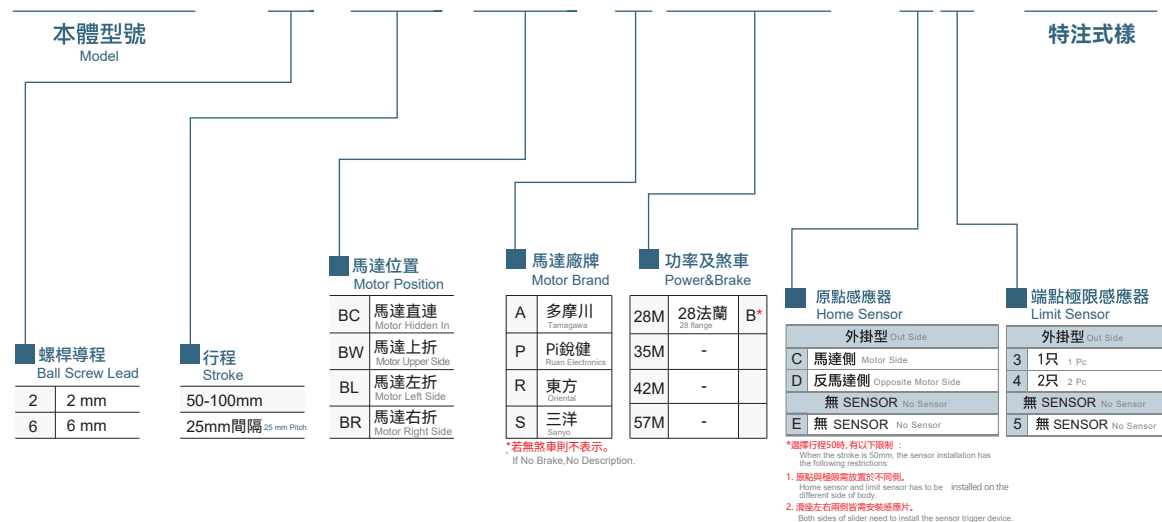


此圖僅供參考，出貨規格詳見尺寸圖面  
The picture is just for the reference. Please check the the actual dimensions on the drawing.

|                        |       |                       |          |                     |      |                    |      |
|------------------------|-------|-----------------------|----------|---------------------|------|--------------------|------|
| 最大行程<br>Maximum Stroke | 800mm | 最高速度<br>Maximum Speed | 1000mm/s | 馬達容量<br>Motor Power | 100W | 滾珠螺桿<br>Ball Screw | ø6mm |
|------------------------|-------|-----------------------|----------|---------------------|------|--------------------|------|

### 型號表示方式 Ordering Method

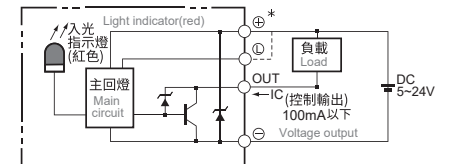
# PC16 - L2 - 50 - BC - P28MB - C4 - 0001



### 基本仕様 Specification

|                               |                                                 |        |     |
|-------------------------------|-------------------------------------------------|--------|-----|
| 性能<br>Spec                    | 重複定位精度 Repeatability (mm)                       | ±0.01  |     |
|                               | 螺桿導程 Ball Screw Lead (mm)                       | 2      | 6   |
|                               | 水平使用 Horizontal (kg)                            |        |     |
|                               | 最大負載質量 Maximum load capacity(kg)                | 4      | 1   |
| 部品<br>Parts                   | 最高速度 Maximum speed (mm/s)                       | 35     | 100 |
|                               | 額定加減速度 Rated acceleration/deceleration (G)      | 0.3    | 0.3 |
|                               | 最大加減速度 Maximum acceleration and deceleration(G) | 0.3    | 0.3 |
|                               | 垂直使用 Vertical (kg)                              |        |     |
|                               | 最大負載質量 Maximum load capacity(kg)                | 1.5    | 0.5 |
|                               | 最高速度 Maximum speed (mm/s)                       | 35     | 100 |
|                               | 額定加減速度 Rated acceleration/deceleration (G)      | 0.3    | 0.3 |
|                               | 最大加減速度 Maximum acceleration and deceleration(G) | 0.3    | 0.3 |
| 推力 thrust(n)                  |                                                 | 320    | 106 |
| 標準行程 Stroke (increments) (mm) |                                                 | 50-100 |     |
| 馬達規格 Motor Size(mm)           |                                                 | 42步進   |     |

### 感應器接線圖 < 原點及端點 > Sensor Layout



### 對應控制器一覽表 Corresponding Controller Chart

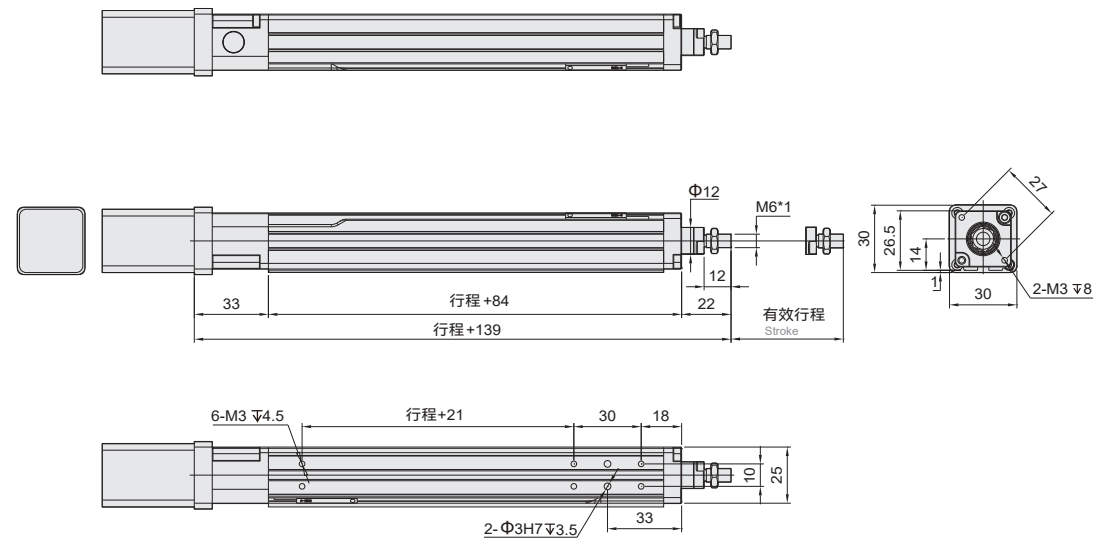
| 控制器型號<br>Controller Model    | 控制介面<br>Control Mode               | 特點<br>Features                                                                                                                                                                                                                                                                                                                                                   | 電氣規格<br>Electrical Spec                                                                                                                                        |
|------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 內藏型<br>Integrated Controller | I/O 控制<br>I/O Control Mode         | 利用 I/O 的變化，最多可以執行 8 個位置的控制 (位置、加減速、速度)。<br>By I/O control, max.8 positioning points, can be executed.                                                                                                                                                                                                                                                            | 控制電路只能使用 24V。<br>工作電壓 DC24V，額定電流 2A，峰值電流 3A。<br><br>The voltage of control circuit is 24V only.<br>Operating voltage DC24V, rated current 2A, peak current 3A. |
|                              | 通訊控制<br>Communication Control Mode | 採用 Modbus 的 RS485 通訊一組，最多可以執行 32 個位置的控制 (位置、加減速、速度)。<br>輸出監控容易：透過通訊做輸出輸入監控，使用者能輕鬆掌握所有運作數據。<br>Using Modbus RS485 as communication, a single setup can control up to 32 positions (positioning, acceleration/deceleration, speed).<br>Output monitoring is simple: with communication-based input/output monitoring, users can easily track all operational data. |                                                                                                                                                                |
|                              | 選配<br>Optional                     | EtherCAT  (開發中)<br>透過 EtherCAT 可串接 16 軸以上<br>With EtherCAT, connect over 16 axes can be in series.                                                                                                                                                                          |                                                                                                                                                                |

BC 馬達直連 Motor Hidden In



Download CAD data at [www.pi-robot.com.cn](http://www.pi-robot.com.cn)

單位 Unit : mm



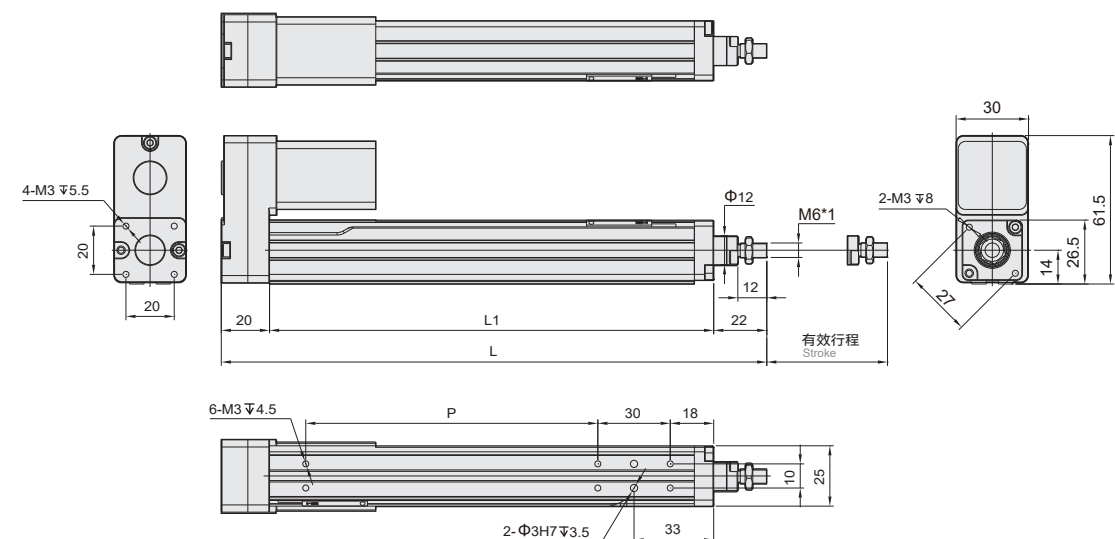
| 有效行程 Stroke | L   | L1  | P   | KG   |
|-------------|-----|-----|-----|------|
| 50          | 189 | 134 | 71  | 0.31 |
| 75          | 214 | 159 | 96  | 0.35 |
| 100         | 239 | 184 | 121 | 0.39 |

BW 馬達上折 Motor Upper Side



Download CAD data at [www.pi-robot.com.cn](http://www.pi-robot.com.cn)

單位 Unit : mm



| 有效行程 Stroke | L   | L1  | P   | KG   |
|-------------|-----|-----|-----|------|
| 50          | 176 | 134 | 71  | 0.33 |
| 75          | 201 | 159 | 96  | 0.36 |
| 100         | 226 | 184 | 121 | 0.40 |

一般/螺桿驅動  
GEC Series

一般/螺桿驅動  
EC Series

一般/螺桿驅動  
PC Series

一般/螺桿驅動  
STC Series

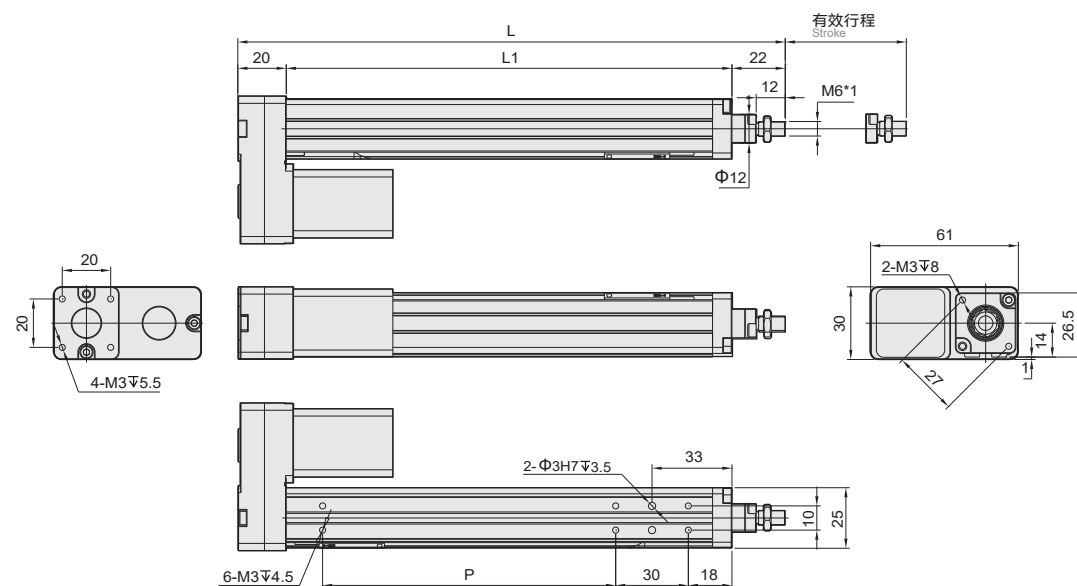
電動缸滑台系列  
Rod Type Ball Screw Actuator

BL 馬達左折 Motor Left Side



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單位 Unit : mm



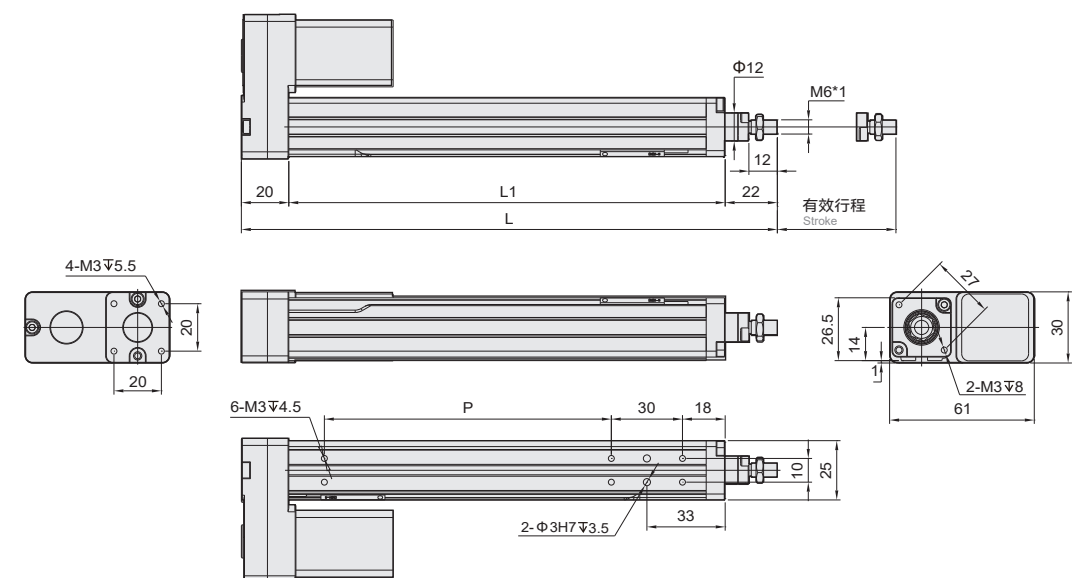
| 有效行程 Stroke | L   | L1  | P   | KG   |
|-------------|-----|-----|-----|------|
| 50          | 176 | 134 | 71  | 0.33 |
| 75          | 201 | 159 | 96  | 0.36 |
| 100         | 226 | 184 | 121 | 0.40 |

BR 馬達右折 Motor Right Side

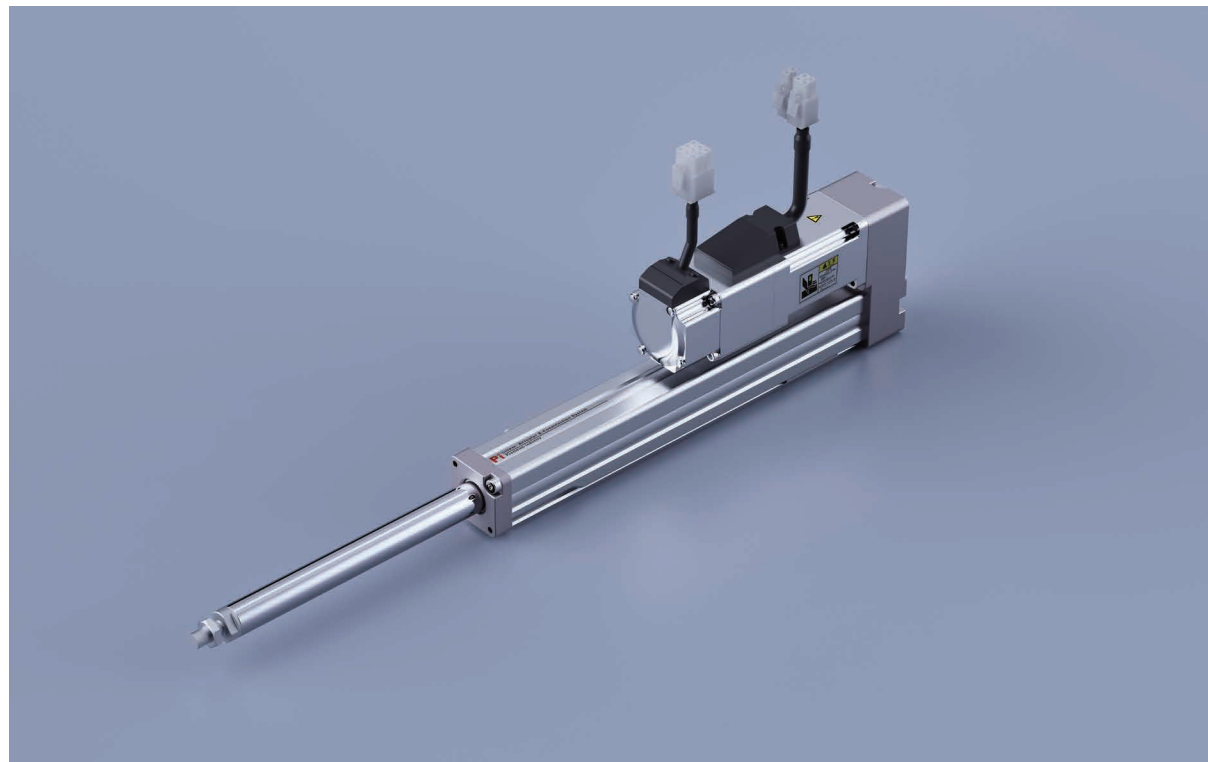


Download CAD data at [www.pi-robot.com.cn](http://www.pi-robot.com.cn)

單位 Unit : mm



| 有效行程 Stroke | L   | L1  | P   | KG   |
|-------------|-----|-----|-----|------|
| 50          | 176 | 134 | 71  | 0.33 |
| 75          | 201 | 159 | 96  | 0.36 |
| 100         | 226 | 184 | 121 | 0.40 |



此圖僅供參考，出貨規格詳見尺寸圖面  
The picture is just for the reference. Please check the the actual dimensions on the drawing.

最大行程  
Maximum Stroke 800mm

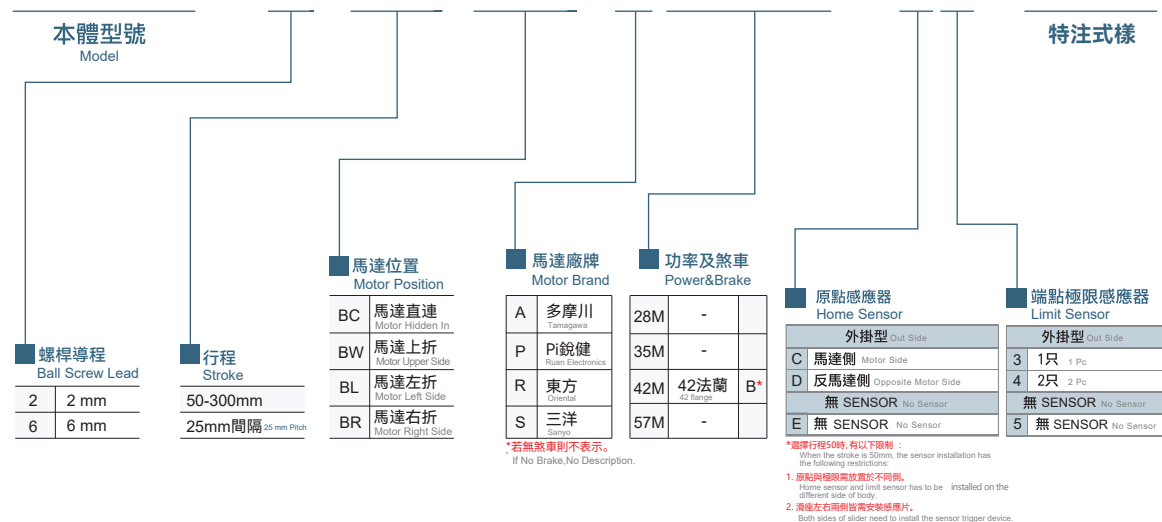
最高速度  
Maximum Speed 1000mm/s

馬達容量  
Motor Power 42步進

滾珠螺桿  
Ball Screw ø10mm

型號表示方式 Ordering Method

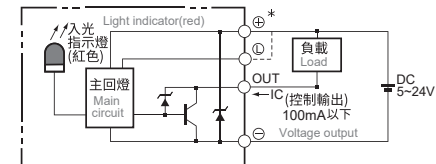
PC25 - L2 - 50 - BC- P42MB - C4 - 0001



基本仕様 Specification

|                               |                                                 |        |     |
|-------------------------------|-------------------------------------------------|--------|-----|
| 性能<br>Spec                    | 重複定位精度 Repeatability (mm)                       | ±0.01  |     |
|                               | 螺桿導程 Ball Screw Lead (mm)                       | 5      | 10  |
|                               | 水平使用 Horizontal (kg)                            |        |     |
|                               | 最大負載質量 Maximum load capacity(kg)                | 10     | 6   |
| 部品<br>Parts                   | 最高速度 Maximum speed (mm/s)                       | 85     | 170 |
|                               | 額定加減速度 Rated acceleration/deceleration (G)      | 0.3    | 0.3 |
|                               | 最大加減速度 Maximum acceleration and deceleration(G) | 0.3    | 0.3 |
|                               | 垂直使用 Vertical (kg)                              |        |     |
|                               | 最大負載質量 Maximum load capacity(kg)                | 4      | 2   |
|                               | 最高速度 Maximum speed (mm/s)                       | 85     | 170 |
|                               | 額定加減速度 Rated acceleration/deceleration (G)      | 0.3    | 0.3 |
|                               | 最大加減速度 Maximum acceleration and deceleration(G) | 0.3    | 0.3 |
| 推力 thrust(n)                  |                                                 | 747    | 373 |
| 標準行程 Stroke (increments) (mm) |                                                 | 50-300 |     |
| 馬達規格 Motor Size(mm)           |                                                 | 42步進   |     |

感應器接線圖 < 原點及端點 > Sensor Layout



對應控制器一覽表 Corresponding Controller Chart

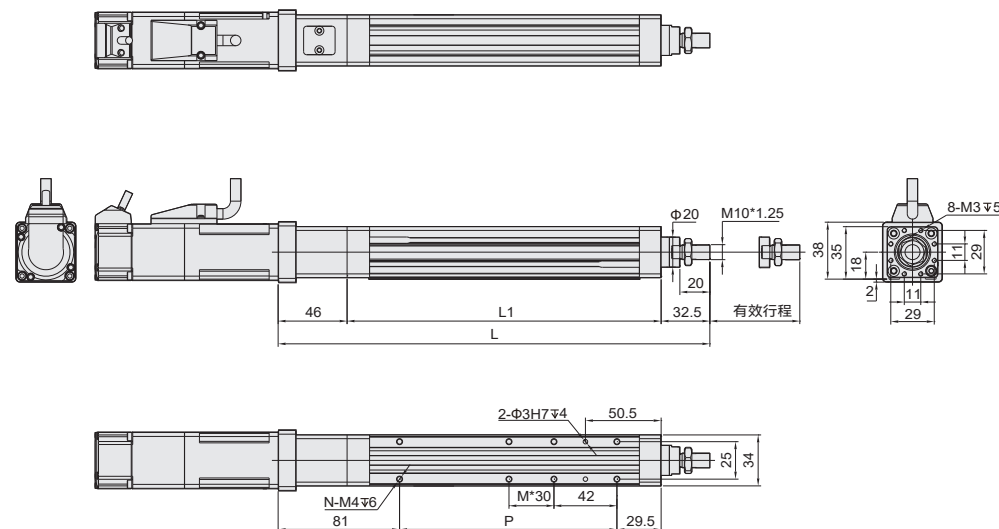
| 控制器型號<br>Controller Model    | 控制介面<br>Control Mode               | 特點<br>Features                                                                                                                                                                                                                                                                                                                                                   |  | 電氣規格<br>Electrical Spec                                                                                                                                        |
|------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 內藏型<br>Integrated Controller | I/O 控制<br>I/O Control Mode         | 利用 I/O 的變化，最多可以執行 8 個位置的控制 (位置、加減速、速度)。<br>By I/O control, max.8 positioning points, can be executed.                                                                                                                                                                                                                                                            |  | 控制電路只能使用 24V。<br>工作電壓 DC24V，額定電流 2A，峰值電流 3A。<br><br>The voltage of control circuit is 24V only.<br>Operating voltage DC24V, rated current 2A, peak current 3A. |
|                              | 通訊控制<br>Communication Control Mode | 採用 Modbus 的 RS485 通訊一組，最多可以執行 32 個位置的控制 (位置、加減速、速度)。<br>輸出監控容易：透過通訊做輸入輸出監控，使用者能輕鬆掌握所有運作數據。<br>Using Modbus RS485 as communication, a single setup can control up to 32 positions (positioning, acceleration/deceleration, speed).<br>Output monitoring is simple: with communication-based input/output monitoring, users can easily track all operational data. |  |                                                                                                                                                                |
|                              | 選配<br>Optional                     | EtherCAT  (開發中)<br>透過 EtherCAT 可串接 16 軸以上<br>With EtherCAT, connect over 16 axes can be in series.                                                                                                                                                                          |  |                                                                                                                                                                |

BC 馬達外露 Motor Exposed



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單位 Unit : mm



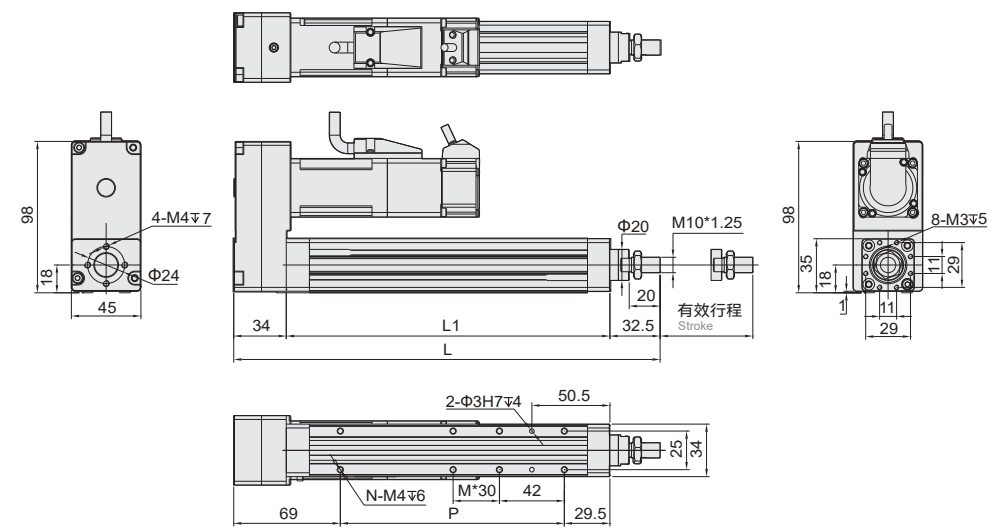
| 有效行程 Stroke | L   | L1    | M | N | P   | KG   |
|-------------|-----|-------|---|---|-----|------|
| 50          | 238 | 159.5 | 0 | 6 | 95  | 0.96 |
| 75          | 263 | 184.5 | 0 | 6 | 120 | 1.03 |
| 100         | 288 | 209.5 | 0 | 6 | 145 | 1.09 |
| 125         | 313 | 234.5 | 0 | 6 | 170 | 1.16 |
| 150         | 338 | 259.5 | 0 | 6 | 195 | 1.22 |
| 175         | 363 | 284.5 | 0 | 6 | 220 | 1.29 |
| 200         | 388 | 309.5 | 1 | 8 | 245 | 1.35 |
| 225         | 413 | 334.5 | 1 | 8 | 270 | 1.42 |
| 250         | 438 | 359.5 | 1 | 8 | 295 | 1.48 |
| 275         | 463 | 384.5 | 1 | 8 | 320 | 1.55 |
| 300         | 488 | 409.5 | 1 | 8 | 345 | 1.62 |

BW 馬達上折 Motor Upper Side



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單位 Unit : mm



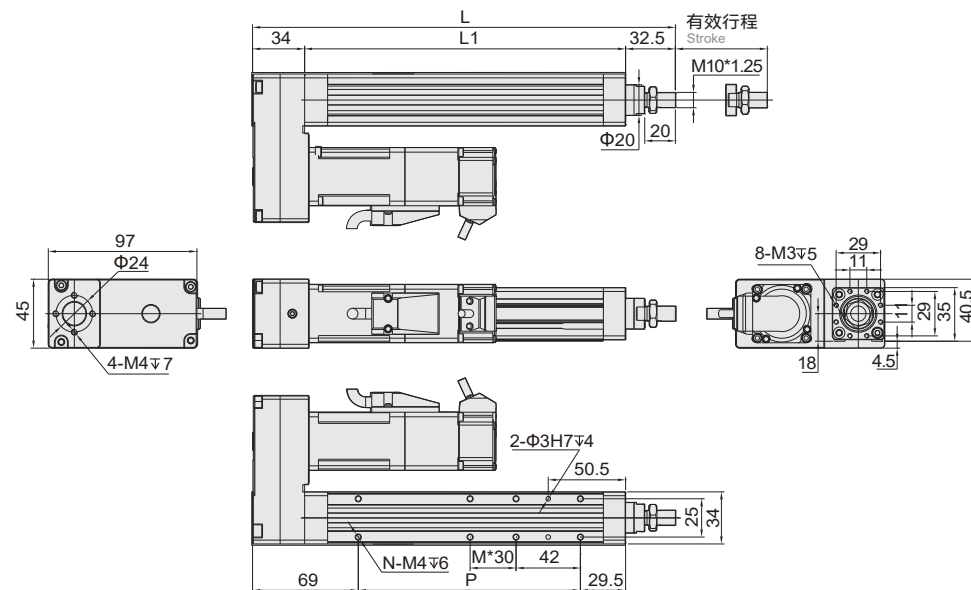
| 有效行程 Stroke | L   | L1    | M | N | P   | KG   |
|-------------|-----|-------|---|---|-----|------|
| 50          | 226 | 159.5 | 0 | 6 | 95  | 1.37 |
| 75          | 251 | 184.5 | 0 | 6 | 120 | 1.44 |
| 100         | 276 | 209.5 | 0 | 6 | 145 | 1.50 |
| 125         | 301 | 234.5 | 0 | 6 | 170 | 1.57 |
| 150         | 326 | 259.5 | 0 | 6 | 195 | 1.63 |
| 175         | 351 | 284.5 | 0 | 6 | 220 | 1.70 |
| 200         | 376 | 309.5 | 1 | 8 | 245 | 1.76 |
| 225         | 401 | 334.5 | 1 | 8 | 270 | 1.83 |
| 250         | 426 | 359.5 | 1 | 8 | 295 | 1.89 |
| 275         | 451 | 384.5 | 1 | 8 | 320 | 1.96 |
| 300         | 476 | 409.5 | 1 | 8 | 345 | 2.20 |

BL 馬達左折 Motor Left Side



Download CAD data at [www.pi-robot.com.cn](http://www.pi-robot.com.cn)

單位 Unit : mm



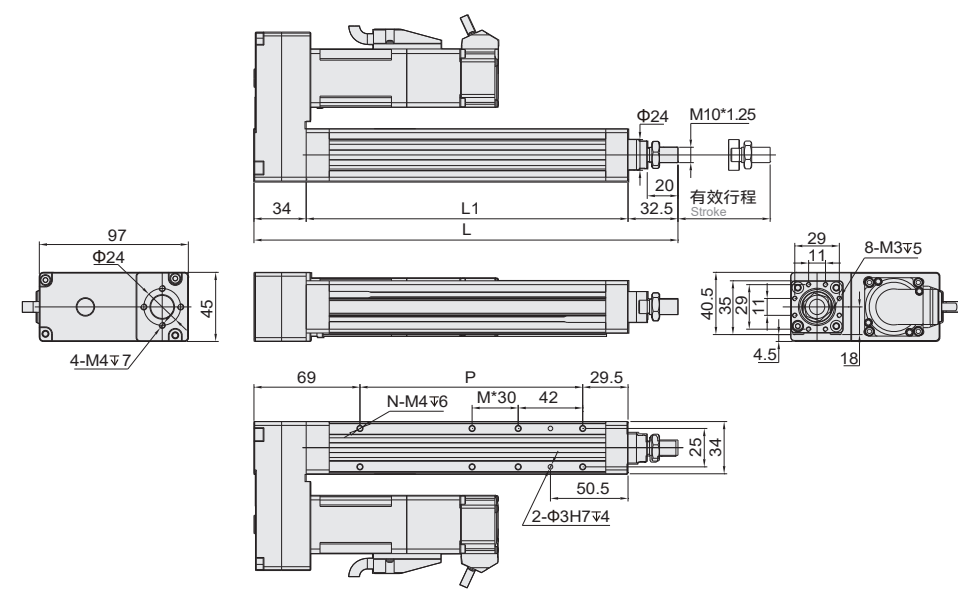
| 有效行程 Stroke | L   | L1    | M | N | P   | KG   |
|-------------|-----|-------|---|---|-----|------|
| 50          | 226 | 159.5 | 0 | 6 | 95  | 1.37 |
| 75          | 251 | 184.5 | 0 | 6 | 120 | 1.44 |
| 100         | 276 | 209.5 | 0 | 6 | 145 | 1.50 |
| 125         | 301 | 234.5 | 0 | 6 | 170 | 1.57 |
| 150         | 326 | 259.5 | 0 | 6 | 195 | 1.63 |
| 175         | 351 | 284.5 | 0 | 6 | 220 | 1.70 |
| 200         | 376 | 309.5 | 1 | 8 | 245 | 1.76 |
| 225         | 401 | 334.5 | 1 | 8 | 270 | 1.83 |
| 250         | 426 | 359.5 | 1 | 8 | 295 | 1.89 |
| 275         | 451 | 384.5 | 1 | 8 | 320 | 1.96 |
| 300         | 476 | 409.5 | 1 | 8 | 345 | 2.20 |

BR 馬達右折 Motor Right Side



Download CAD data at [www.pi-robot.com.cn](http://www.pi-robot.com.cn)

單位 Unit : mm



| 有效行程 Stroke | L   | L1    | M | N | P   | KG   |
|-------------|-----|-------|---|---|-----|------|
| 50          | 226 | 159.5 | 0 | 6 | 95  | 1.37 |
| 75          | 251 | 184.5 | 0 | 6 | 120 | 1.44 |
| 100         | 276 | 209.5 | 0 | 6 | 145 | 1.50 |
| 125         | 301 | 234.5 | 0 | 6 | 170 | 1.57 |
| 150         | 326 | 259.5 | 0 | 6 | 195 | 1.63 |
| 175         | 351 | 284.5 | 0 | 6 | 220 | 1.70 |
| 200         | 376 | 309.5 | 1 | 8 | 245 | 1.76 |
| 225         | 401 | 334.5 | 1 | 8 | 270 | 1.83 |
| 250         | 426 | 359.5 | 1 | 8 | 295 | 1.89 |
| 275         | 451 | 384.5 | 1 | 8 | 320 | 1.96 |
| 300         | 476 | 409.5 | 1 | 8 | 345 | 2.20 |

Memo

# STC

## STC 微型電動缸系列

STC High Rigidity Tiny Cylinder Series

### Contents

小型 SMALL

STC11



本體寬幅 112mm

Width

最大行程 300mm.....016

Max. stroke

連續可搬重量 5kg

Continuous payload

滑台模組規格索引

Spec Index of Electric Actuator

STC微型電動缸系列

STC Miniature Electric Cylinder Series

| 使用環境<br>Environment | 傳動方式<br>Driven Mode | 軌道形式<br>Guideway                     | 仕樣<br>Specification | 馬達功率<br>Home Sensor | 本體寬幅<br>Width(mm) | 位置重複精度<br>Repeatability(mm) | 螺桿規格 (C7 級)<br>Ball screw spec (Accuracy C7) |                | 最大可搬重量<br>Maximum Payload(kg) |                  | 最高速度*1<br>Maximum Speed (mm/s) |
|---------------------|---------------------|--------------------------------------|---------------------|---------------------|-------------------|-----------------------------|----------------------------------------------|----------------|-------------------------------|------------------|--------------------------------|
|                     |                     |                                      |                     |                     |                   |                             | 外徑<br>Outer Diameter(mm)                     | 導程<br>Lead(mm) | 水平使用<br>Horizontal            | 垂直使用<br>Vertical |                                |
| 一般環境<br>Standard    | 滾珠螺桿<br>Ball screw  | 軌道內嵌<br>Built-in linear motion guide | STC11               | 35                  | 112               | ±0.01                       | Φ8                                           | 5              | /                             | 5                | 85                             |
|                     |                     |                                      |                     |                     |                   |                             |                                              | 8              |                               | 2                | 135                            |

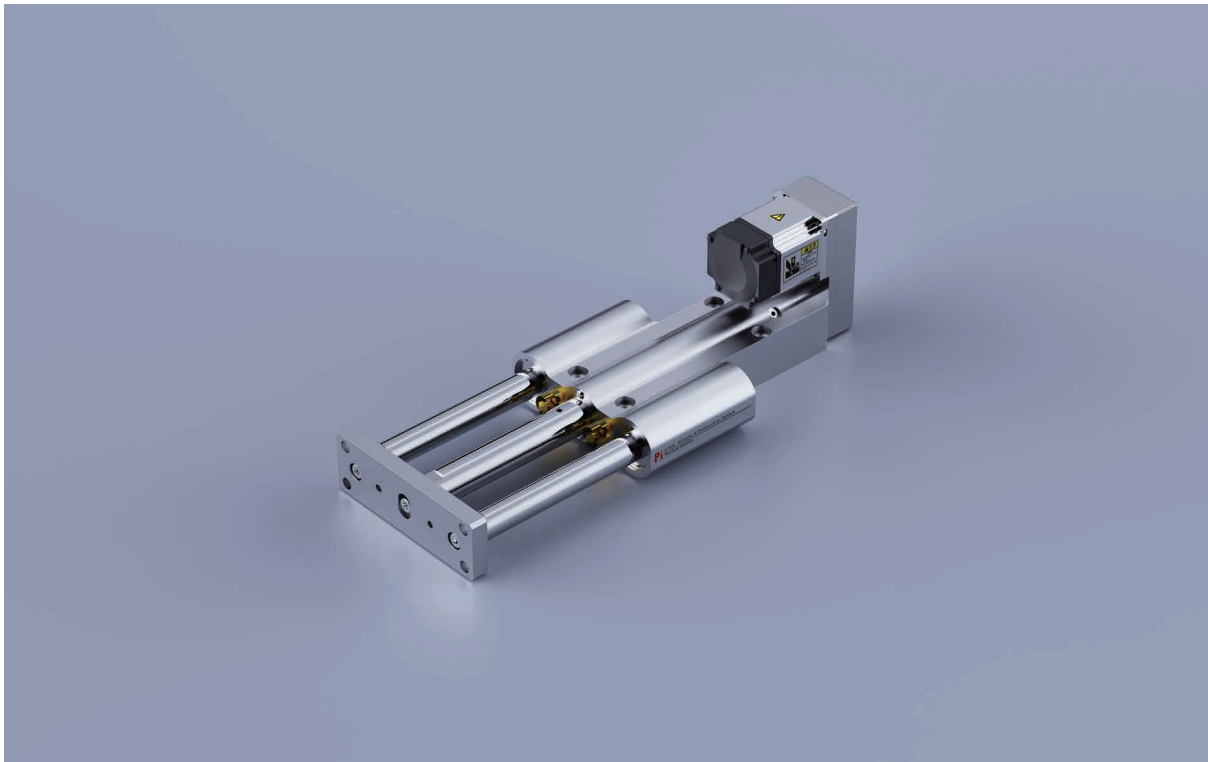
一般/螺桿驅動  
GEC Series

一般/螺桿驅動  
EC Series

一般/螺桿驅動  
PC Series

一般/螺桿驅動  
STC Series

電動缸滑台系列  
Rod Type Ball Screw Actuator



此圖僅供參考，出貨規格詳見尺寸圖面  
The picture is just for the reference. Please check the the actual dimensions on the drawing.

最大行程  
Maximum Stroke

300mm

最高速度  
Maximum Speed

135mm/s

馬達規格  
Motor Power

35步進

滾珠螺桿  
Ball Screw

ø8mm

型號表示方式 Ordering Method

STC11-L5- 50 - BW-P35MB-E5-0001

本體型號  
Model

螺桿導程  
Ball Screw Lead

|   |      |
|---|------|
| 5 | 5 mm |
| 8 | 8 mm |

行程  
Stroke

|                    |
|--------------------|
| 50-300mm           |
| 50mm間隔 50 mm Pitch |

馬達位置  
Motor Position

|    |                          |
|----|--------------------------|
| BW | 馬達上折<br>Motor Upper Side |
|----|--------------------------|

馬達廠牌  
Motor Brand

|   |                         |
|---|-------------------------|
| A | 多摩川<br>Tamagawa         |
| P | Pi銳健<br>Rui Electronics |
| R | 東方<br>Oriental          |
| S | 三洋<br>Sanyo             |

功率及煞車  
Power&Brake

|     |                   |    |
|-----|-------------------|----|
| 28M | -                 |    |
| 35M | 35法蘭<br>35 flange | B* |
| 42M | -                 |    |
| 57M | -                 |    |

原點感應器  
Origin sensor

|    |                    |
|----|--------------------|
| E5 | 無感應器<br>Sensorless |
|----|--------------------|

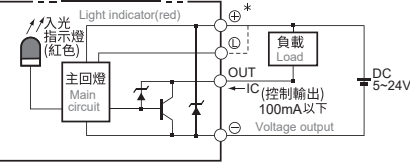
特注式樣

\*若無煞車則不表示。  
If No Brake, No Description.

基本仕様 Specification

|             |                                     |        |     |
|-------------|-------------------------------------|--------|-----|
| 性能<br>Spec  | 重複定位精度<br>Repeatability (mm)        | ±0.01  |     |
|             | 螺桿導程<br>Ball Screw Lead (mm)        | 5      | 8   |
|             | 最大負載質量<br>Maximum load capacity(kg) | 5      | 2   |
|             | 最高速度<br>Maximum speed (mm/s)        | 85     | 135 |
|             | 垂直使用<br>Vertical (kg)               | 0.3    | 0.3 |
| 部品<br>Parts | 推力<br>thrust (n)                    | 534    | 333 |
|             | 標準行程<br>Stroke (increments) (mm)    | 50-300 |     |
|             | 馬達規格<br>Motor Size                  | 35步進   |     |

感應器接線圖 < 原點及端點 > Sensor Layout

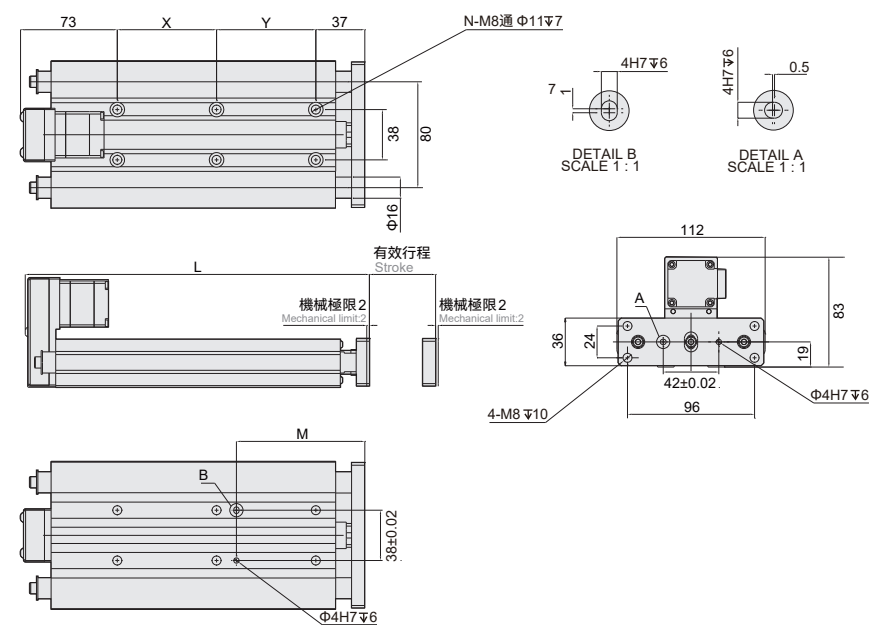


對應控制器一覽表 Corresponding Controller Chart

| 控制器型號<br>Controller Model    | 控制介面<br>Control Mode               | 特點<br>Features                                                                                                                                                                                                                                                                                                                                                    | 電氣規格<br>Electrical Spec                                                                                                                                        |
|------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 內藏型<br>Integrated Controller | I/O 控制<br>I/O Control Mode         | 利用 I/O 的變化，最多可以執行 8 個位置的控制 ( 位置、加減速、速度 )。<br>By I/O control, max.8 positioning points, can be executed.                                                                                                                                                                                                                                                           | 控制電路只能使用 24V。<br>工作電壓 DC24V，額定電流 2A，峰值電流 3A。<br><br>The voltage of control circuit is 24V only.<br>Operating voltage DC24V, rated current 2A, peak current 3A. |
|                              | 通訊控制<br>Communication Control Mode | 採用 Modbus 的 RS485 通訊一組，最多可以執行 32 個位置的控制 ( 位置、加減速、速度 )。<br>輸出監控容易；透過通訊做輸出入監控，使用者能輕鬆掌握所有運作數據。<br>Using Modbus RS485 as communication, a single setup can control up to 32 positions (positioning, acceleration/deceleration, speed).<br>Output monitoring is simple; with communication-based input/output monitoring, users can easily track all operational data. |                                                                                                                                                                |
|                              | 選配<br>Optional                     | EtherCAT  (開發中)<br>透過 EtherCAT 可串接 16 軸以上<br>With EtherCAT, connect over 16 axes can be in series.                                                                                                                                                                           |                                                                                                                                                                |

BW 馬達上折 Motor Upper Side 2D CAD 3D CAD Download CAD data at [www.pi-robot.com.cn](http://www.pi-robot.com.cn)

單位 Unit : mm



| 有效行程 Stroke | L   | M   | N | X   | Y   | KG  |
|-------------|-----|-----|---|-----|-----|-----|
| 50          | 160 | 25  | 4 | 50  | 0   | 1.8 |
| 100         | 210 | 50  | 4 | 100 | 0   | 2.3 |
| 150         | 260 | 75  | 6 | 75  | 75  | 2.8 |
| 200         | 310 | 100 | 6 | 100 | 100 | 3.3 |
| 250         | 360 | 125 | 6 | 125 | 125 | 3.7 |
| 300         | 410 | 150 | 6 | 150 | 150 | 4.2 |

Memo

一般/螺桿驅動  
GEC Series

一般/螺桿驅動  
EC Series

一般/螺桿驅動  
PC Series

一般/螺桿驅動  
STC Series

電動缸滑台系列  
Rod Type Ball Screw Actuator