

# GSL內嵌式直線電機滑台結構圖-(四列滾珠)

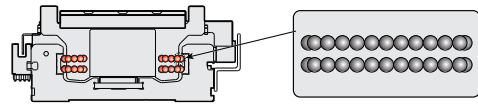
## GSL Embedded Straight-line Motor Slide Structure - (Four-row Balls)

本體 Frame body

### 四列滾珠設計 Four-row ball design

四列滾珠設計優勢  
Four-row ball design Advantages

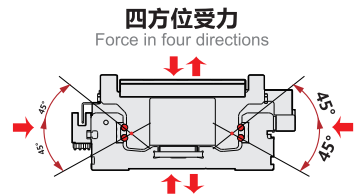
高剛性 高精度 低摩擦  
高速運動 荷載能力大 長壽命。  
High rigidity, high precision, low friction,  
high-speed motion, large load capacity and long life.



四列滾珠設計  
Four-row ball design

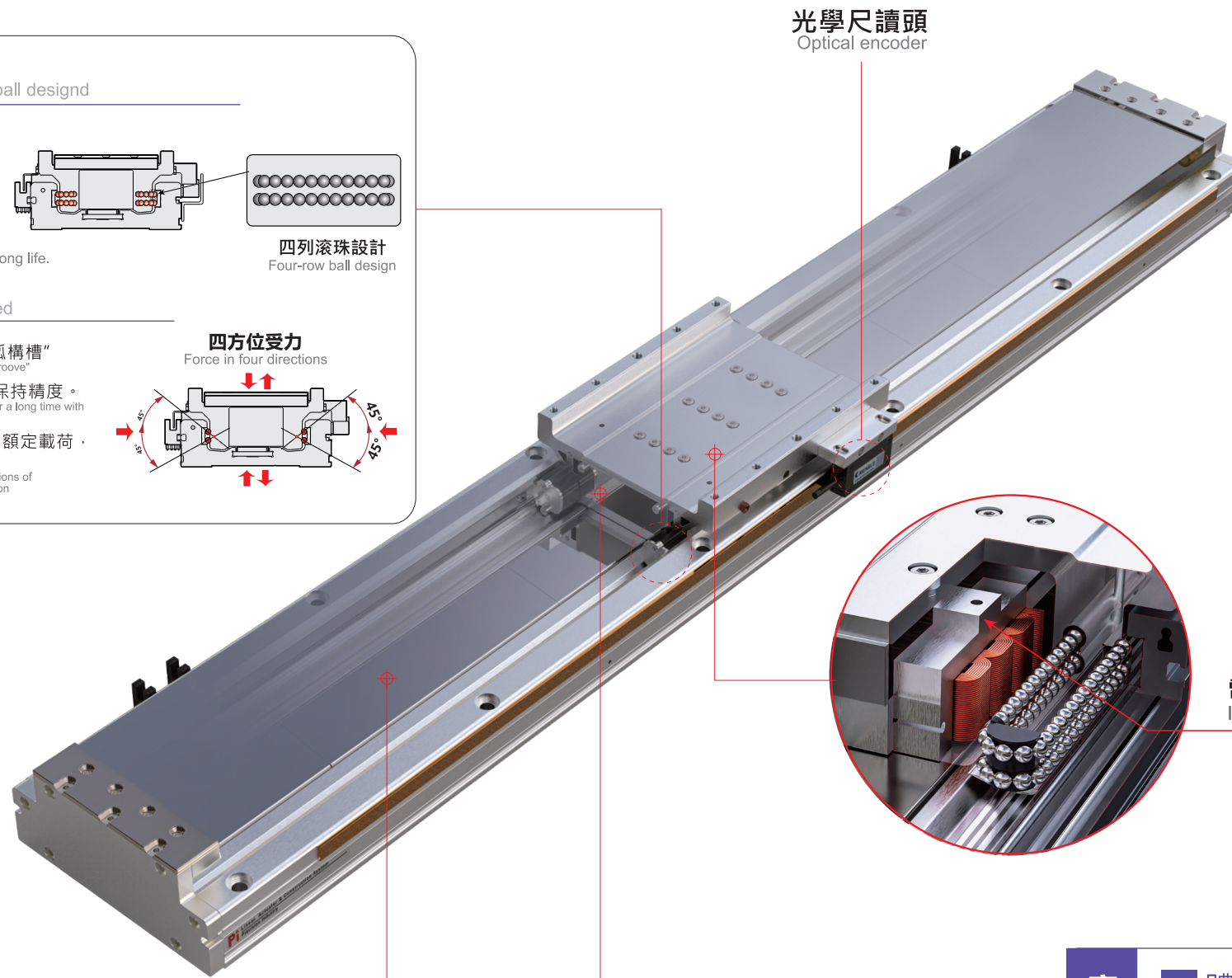
### 精度提高 Accuracy Improved

- ① 無間隙可輕快運動且運動到“圓弧構槽”  
No gap can move briskly and move to the "circular groove"
- ② “圓弧構槽”易于高精度給進長期保持精度。  
The "circular groove" is easy to maintain accuracy for a long time with high precision.
- ③ 可在內滑塊，四個方向實現相同的額定載荷，任何方向都可以使用。  
The same rated load can be achieved in four directions of the internal slider, which can be used in any direction



四方位受力  
Force in four directions

NEW  
新產品



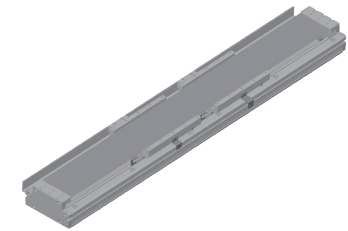
光學尺讀頭  
Optical encoder

動子 Coil

定子 Stator

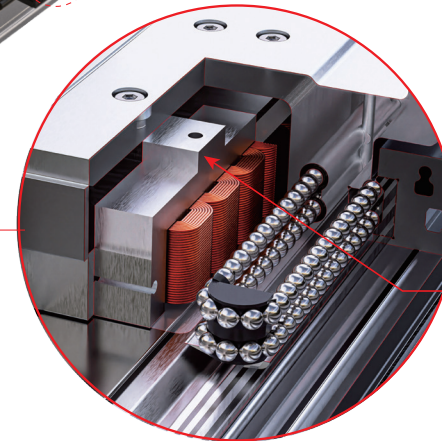
滑座 Carriage

### 多樣滑座特注 Slider



雙滑座雙馬達型  
Dual carriage dual motor type

電機內部結構  
Internal structure of the motor

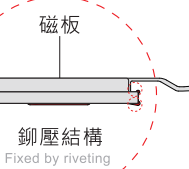


鉚壓結構 Fixed by riveting

### 磁板特殊卡扣設計 Magnetic plate special buckle design



磁板固定採用鉚壓結構設計，全球首創！  
The magnetic plate is fixed by riveting structure. The world's first!  
優勢：防止異物掉落不會損傷內部零件。  
易保養，壽命長！  
Advantages: Prevent foreign objects from falling and will not damage the internal parts. Easy to maintain, long life!



鉚壓結構  
Fixed by riveting

高度變低 Fixed by riveting

### 體積更小 Smallre size

具有低重心的物體或結構更加穩定，更不容易傾倒或失去平衡。  
Objects or structures with a low center of gravity are more stable and less likely to dump or lose balance.

