

尺寸
Size
16 ~ 64



重量
Weight
0.4 ~ 1.9 KG



夾持力
Gripping force
25 ~ 450 N



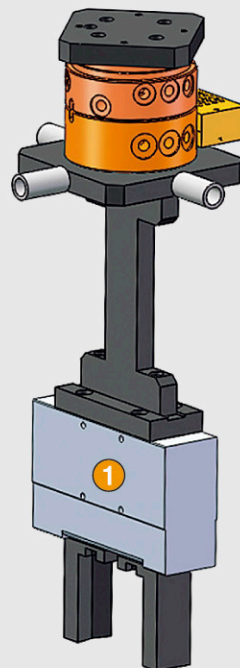
單爪行程
Stroke per jaw
8 ~ 32 mm



適用工件重量
Recom. workpiece weight
0.5 ~ 4.5 KG



- ① REH 經典款二指平動電動夾爪
REH Classic 2-jaw parallel electric gripper



應用領域

- 由於電動夾爪具有夾持力的可操控性，適用於容易變形、破碎、表面損傷之薄殼體電子元件、彈塑性材料、玻璃水晶製品等零件夾持；電動夾爪也具有位置、速度的可操作性，亦可適用於精密檢測、有限行程、高速輕夾等情況使用。

你的優勢

- 最大夾持力在40%~100%之間，以5%為單位設定電動夾爪之夾持力量。
- 最小可達成0.01mm之精密位置控制。
- 工作物的夾持位置是否在設定範圍內，可由HOLD信號確認。
- 最高可在 1~100 mm/s 之速度範圍內，以1 mm/s 為單位設定電動夾爪支移動速度。
- 依使用者設定之動作模式，提供該狀態下之高、中、低加速度或等速度等選擇。
- 依使用者之任務要求，可儲存 30+1(原點復歸)組動作模式。
- 提供三者尺寸的工作物，同時夾持、量測、辨識等，可減少作業工時。

Applications

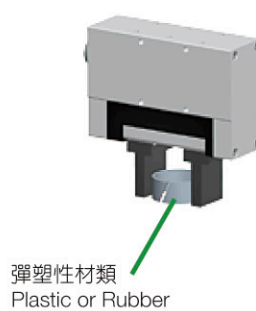
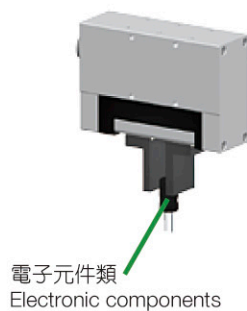
- Due to the parallel electric gripper has highly maneuverability, it is ideal for gripping the easily deformed work pieces, fragile, elastic plastic materials, glass crystal items, thin or surface-damage electronic components.
- Also, you can manipulate the position and speed of parallel electric gripper which makes it suitable for precision detecting, limited stroke or other high-speed light grip.

Your advantage

- Maximum gripping force is from 40% to 100%, the scale is 5%.
- 0.01mm is the minimum accuracy position control.
- The HOLD signal can tell whether the work piece is being gripped in correct set range or not.
- Highest speed is from 1 to 100 mm/s, the scale is 1 mm/s.
- Depending on user mode, parallel electric gripper provides high, medium and low acceleration or constant velocity options.
- According to the mission requirements, user can store 30 + 1 (original point) operation modes.
- It offers three sizes of work piece for grip, measurement and identification, which helps you to save working time.

應用範例

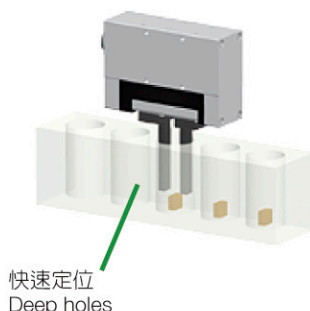
Gripping of parts that are easily deformed or damaged



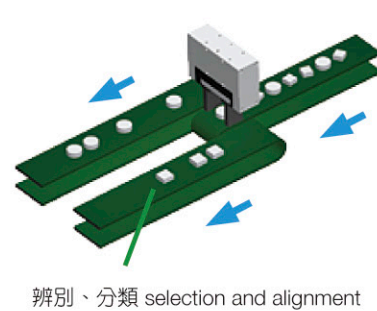
尺寸檢測 Measurement



狹窄空間夾取 Gripping in a narrow space

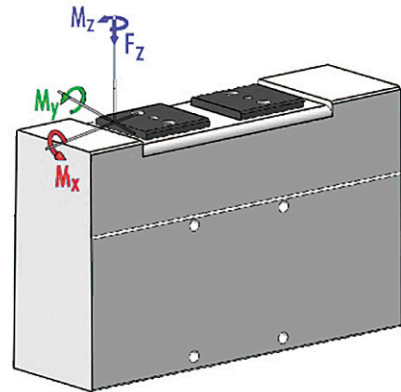


零件辨識與整列 Detection / Identification





型號 Model		REH-16	REH-32	REH-64
徑向容許荷重 Allowable load	■ F(N)	167.7	430.7	839.3
	■ Mp (N-m)	1.66	7.72	24.43
靜態容許力矩 Allowable moment	■ My (N-m)	1.66	7.72	24.43
	■ Mr (N-m)	6.4	20.37	47.22



技術資料 Technical data

型號 Model		REH-16	REH-32	REH-64		
夾爪規格 Electric gripper	總行程[兩爪行程]Stroke (both sides)	mm	16 ±0.5	32 ±0.5	64 ±0.5	
	夾持力 Gripping force	N	25 ~ 50	60 ~ 150	180 ~ 450	
	最大夾持重量 Max. gripping weight	N	5	15	45	
	速度 Speed	移動 Motion	mm/s	1 ~ 60	1 ~ 80	1 ~ 100
			夾持 Gripping	1 ~ 20	1 ~ 20	1 ~ 20
	重覆定位精度 Repeatability	mm	±0.01	±0.01	±0.01	
	驅動元件 Driving device	滾珠螺桿+線性滑動 Ball screw + linear slide				
	驅動元件油脂補給 Grease supply of device	每三個月或動作兩萬回/次 Every 3 months or 20,000 cycles				
	耐衝擊/耐震動 Impact/Vibration resistance	m/s ²	150/30			
	使用溫度範圍 Operating temperature range	°C	5 ~ 45			
使用濕度範圍 Operating humidity range	%	RH35 ~ 85(無結霜 No condensing)				
本體重量 Weight	kg	0.4	0.7	1.9		
電力規格 Controller	馬達種類 Motor type	步進馬達 Stepper motor				
	馬達尺寸 Motor size	mm	□20	□28	□42	
	額定電壓 Power supply	V	DC 24 ±10%			
	消耗電流 Total current	A	1.5A max	3A max	3A max	
	控制器重量 Controller weight	kg	0.15			

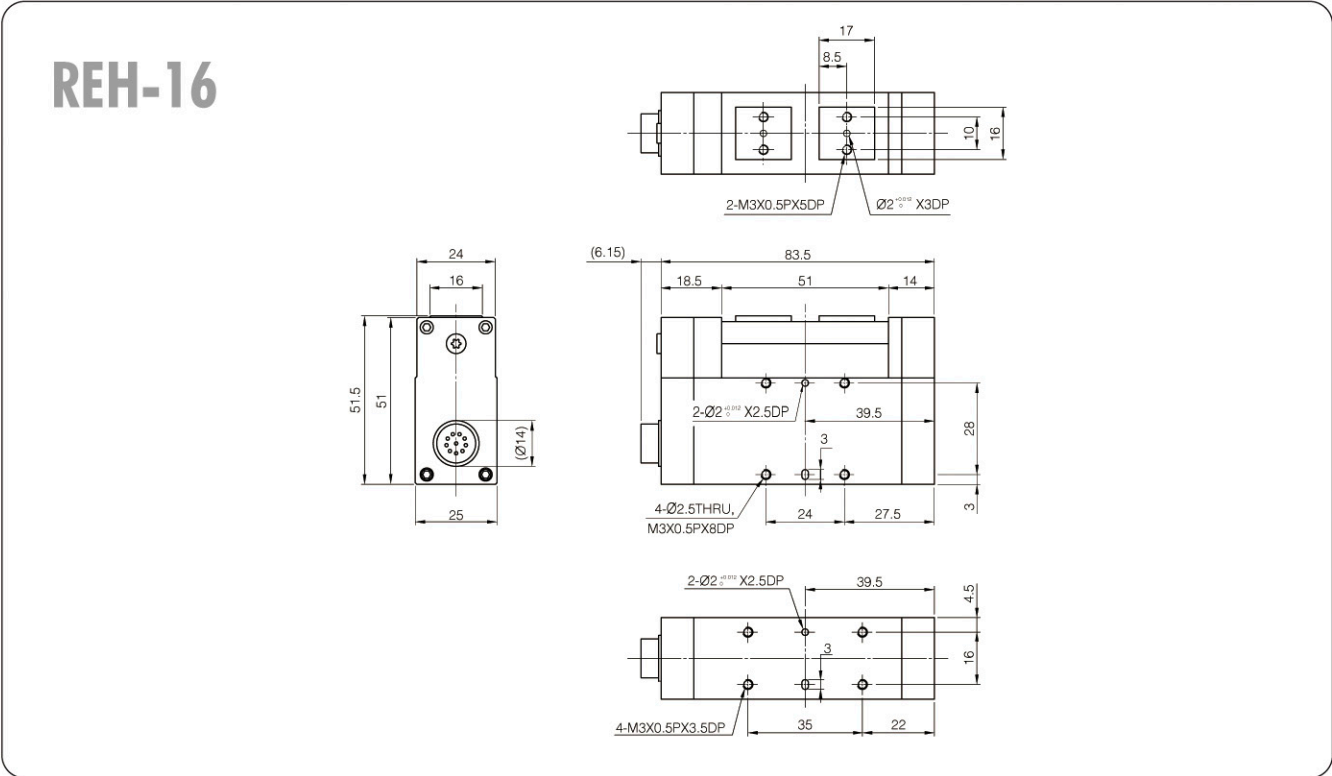
Classic 2-Jaw Parallel Electric Gripper

系統架構圖



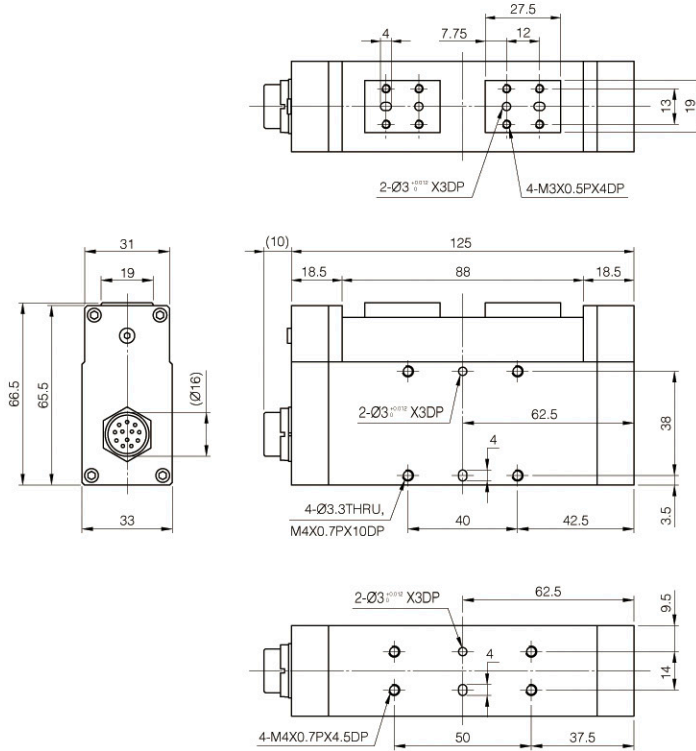
REH TYPE

外觀尺寸圖 Dimensions

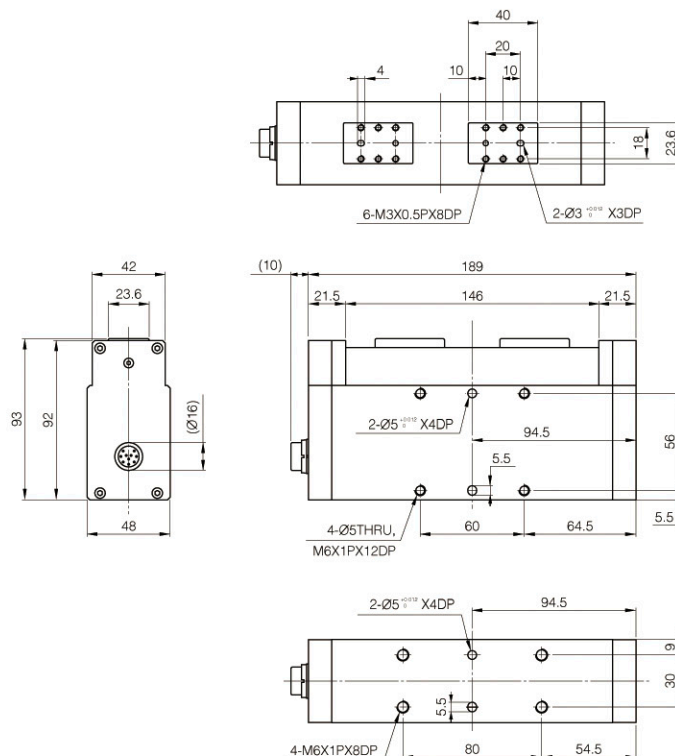


外觀尺寸圖 Dimensions

REH-32



REH-64





技術資料 Technical data

型號 Model	REG-1	
控制馬達型式 Compatible motor	步進馬達 Stepper motor	
位置檢出方式 Compatible encoder	光學式編碼器 Optical rotary encoder	
最小設定距離 Min. setting position	mm	0.01
動作組數 Number of points	30+1組 30 points +1 (含原點復歸 original point)	
額定電壓 Power supply	V	DC 24 ±10%
消耗電流 Total current	A	3A max
使用溫度範圍 Operation temperature range	°C	5 ~ 45
使用濕度範圍 Operation humidity range	%	RH35 ~ 85 (無結霜 No condensing)
絕緣電阻 Insulation resistance	MΩ	10 (DC 500 V)
質量 Weight	kg	0.15

外部輸入輸出 External Input/Output	輸入 Input	6點設定動作位置 6 points: command setting
	輸出 Output	6點動作狀態輸出 6 points: control output
	電源指示燈 LED indicator	電源指示燈 (LED 燈綠) POWER supply lamp (PWR: green)
		狀態異常指示燈 (LED 燈紅) Error status lamp (ALM: red)
序列通訊 Serial communication		USB

REG TYPE

外觀尺寸圖 Dimensions

