

PSC

Anti-Bending Inductive Proximity Sensor

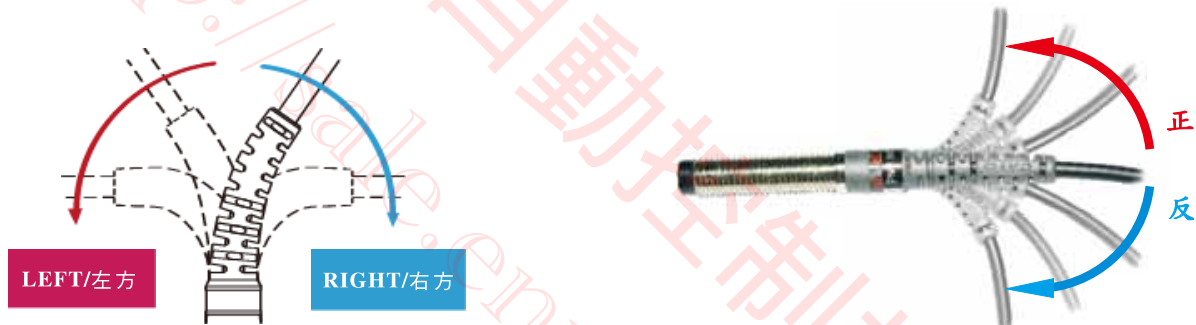
PSC SERIES



耐彎保護型近接

◆ Introduction / 介紹 :

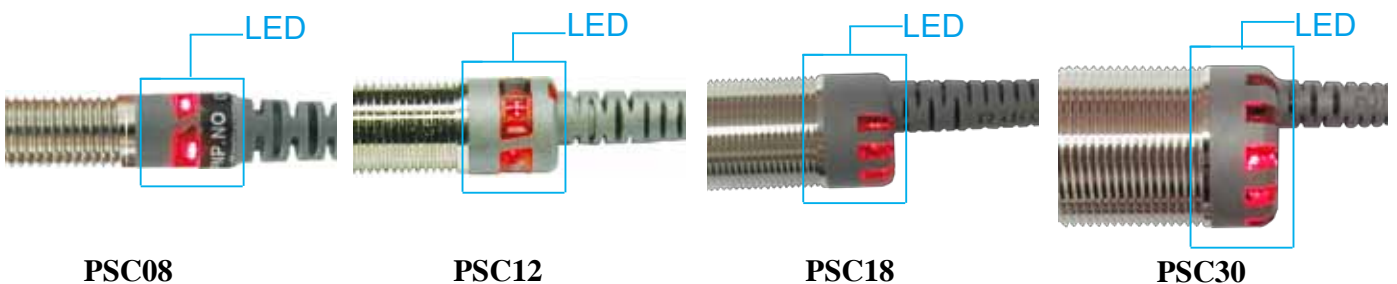
- Special line-out design for bending resistance and tensile. it will upgrade the durability and life. / 獨特的出線包覆設計，抗拉、耐彎曲，提升耐用度和壽命；



- The IP67 rating is designed to the effective waterproof. / 保護結構達到IP67的規格，能有效的防水



- Visible dual LED makes you easy to know the current operating situation. / 清晰易見的LED指示燈，工作狀態顯露明了。



PSC08

PSC12


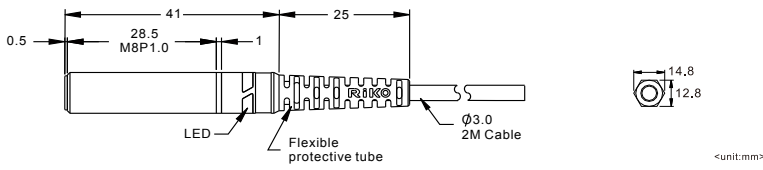

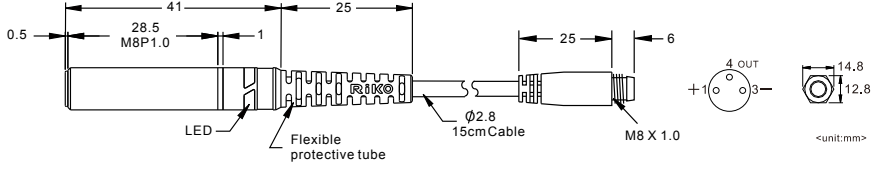

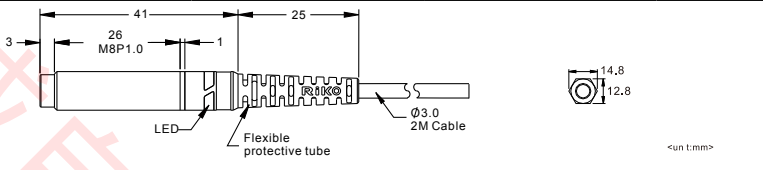

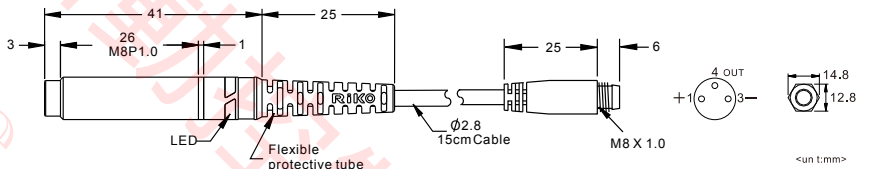
PSC18

PSC30



Anti-Bending Inductive Proximity Sensor


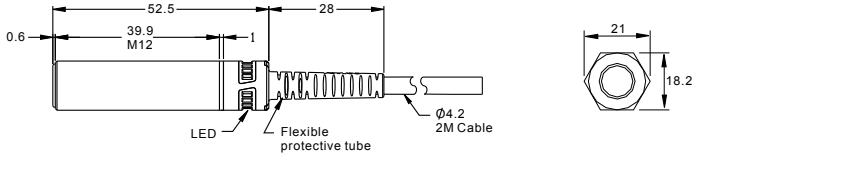

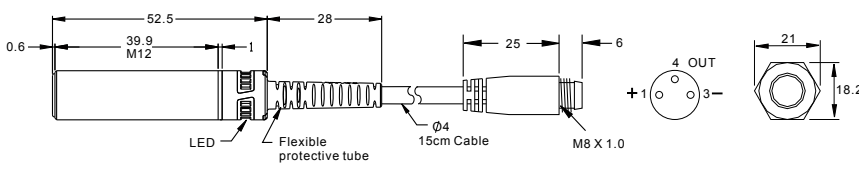

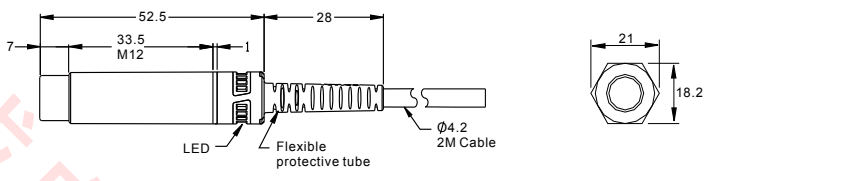

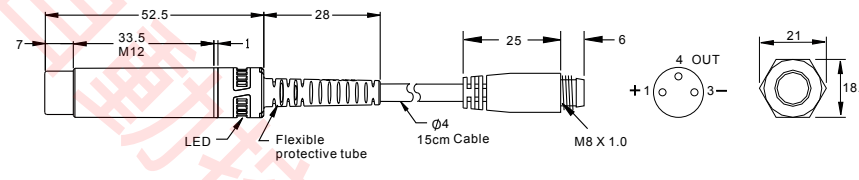
◆ Specifications / 規格表 :

PSC0801-□ 					
PSC0801-□D 					
PSC0802-□ 					
PSC0802-□D 					
Output method / 輸出模式	NPN N.O.	PSC0801-N	PSC0801-ND	PSC0802-N	PSC0802-ND
	NPN N.C.	PSC0801-N2	PSC0801-N2D	PSC0802-N2	PSC0802-N2D
	PNP N.O.	PSC0801-P	PSC0801-PD	PSC0802-P	PSC0802-PD
	PNP N.C.	PSC0801-P2	PSC0801-P2D	PSC0802-P2	PSC0802-P2D
	NPN N.O./N.C. PNP N.O./N.C.	-	-	-	-
	SCR N.O.	-	-	-	-
	SCR N.C.	-	-	-	-
Sensing type / 檢出方式	Shielded / 隔離型		Unshielded / 非隔離型		
Description / 外型	Standard / 標準M8				
Standard sensing object / 標準檢測物	Iron 8 × 8 × 1 mm				
Sensing distance / 檢出距離	1 mm		2 mm		
Secure sensing distance / 建議距離	0 to 0.8 mm		0 to 1.6 mm		
Hysteresis / 遲滯	≤ 10 % of sensing distance				
Response time / 反應時間	1 ms Max.				
Operating voltage / 工作電壓	DC12 ~ 24 V				
Current consumption / 消耗電流	≤ 8 mA no-load				
Load current / 負載電流	100 mA Max at DC 24V				
Leakage current / 漏電流	≤ 1.1 mA no-load				
Residual voltage / 殘餘電壓	≤ DC 2V				
Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)				
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.				
Operating temperature / 工作溫度	-20°C ~ + 60°C				
Protection degree / 防水等級	IP 67				
Wiring method / 出線方式	Pre-wired Ø3 x 2M / 3-wires	M8 pigtailed type / M8接頭15cm電線式	Pre-wired Ø3 x 2M / 3-wires	M8 pigtailed type / M8接頭15cm電線式	
Weight / 重量	Approx.30g	Approx.12g	Approx.30g	Approx.12g	

Fiber
Photo Sensor
Area Sensor
Ultrasonic Sensors
Inductive Proximity Sensor
Capacitive Proximity Sensor
Timer / Counter
Others
Accessories


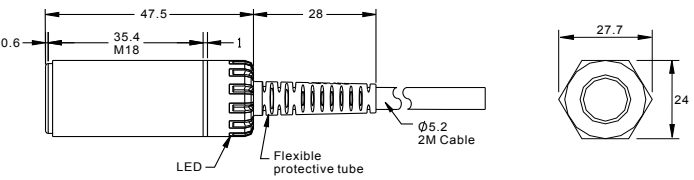

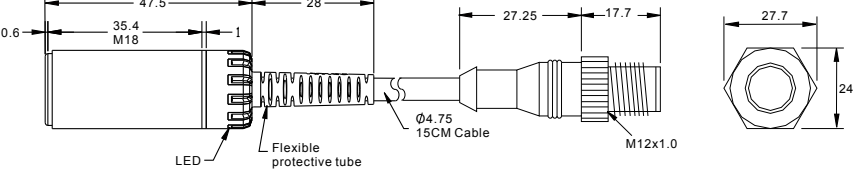

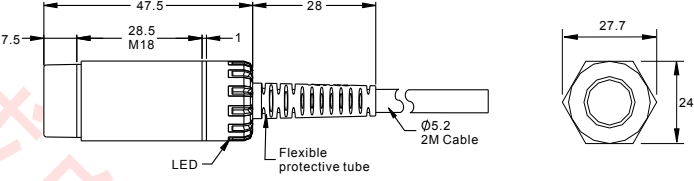

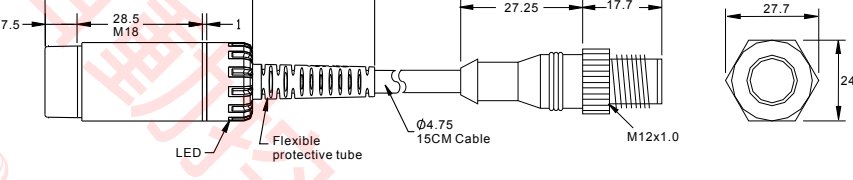
PSC

Anti-Bending Inductive Proximity Sensor

Fiber	 <p>PSC1203-□</p>																																													
Photo Sensor	 <p>PSC1203-□D</p>																																													
Area Sensor	 <p>PSC1206-□</p>																																													
Ultrasonic Sensors	 <p>PSC1206-□D</p>																																													
Inductive Proximity Sensor																																														
Capacitive Proximity Sensor	<table border="1"> <tr> <td rowspan="7">Output method / 輸出模式</td> <td>NPN N.O.</td> <td>PSC1203-N</td> <td>PSC1203-ND</td> <td>PSC1206-N</td> <td>PSC1206-ND</td> </tr> <tr> <td>NPN N.C.</td> <td>PSC1203-N2</td> <td>PSC1203-N2D</td> <td>PSC1206-N2</td> <td>PSC1206-N2D</td> </tr> <tr> <td>PNP N.O.</td> <td>PSC1203-P</td> <td>PSC1203-PD</td> <td>PSC1206-P</td> <td>PSC1206-PD</td> </tr> <tr> <td>PNP N.C.</td> <td>PSC1203-P2</td> <td>PSC1203-P2D</td> <td>PSC1206-P2</td> <td>PSC1206-P2D</td> </tr> <tr> <td>NPN N.O./N.C.</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>PNP N.O./N.C.</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>SCR N.O.</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>SCR N.C.</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>	Output method / 輸出模式	NPN N.O.	PSC1203-N	PSC1203-ND	PSC1206-N	PSC1206-ND	NPN N.C.	PSC1203-N2	PSC1203-N2D	PSC1206-N2	PSC1206-N2D	PNP N.O.	PSC1203-P	PSC1203-PD	PSC1206-P	PSC1206-PD	PNP N.C.	PSC1203-P2	PSC1203-P2D	PSC1206-P2	PSC1206-P2D	NPN N.O./N.C.	-	-	-	-	PNP N.O./N.C.	-	-	-	-	SCR N.O.	-	-	-	-	SCR N.C.	-	-	-	-				
Output method / 輸出模式	NPN N.O.		PSC1203-N	PSC1203-ND	PSC1206-N	PSC1206-ND																																								
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	SCR N.O.	-	-	-	-																																									
SCR N.C.	-	-	-	-																																										
Timer / Counter	Sensing type / 檢出方式	Shielded / 隔離型		Unshielded / 非隔離型																																										
	Description / 外型	Standard / 標準 M12																																												
	Standard sensing object / 標準檢測物	Iron 12 × 12 × 1 mm																																												
	Sensing distance / 檢出距離	3 mm		6 mm																																										
	Secure sensing distance / 建議距離	0 to 2.4 mm		0 to 4.8 mm																																										
Others	Hysteresis / 遲滯	≤ 10 % of sensing distance																																												
	Response time / 反應時間	DC Type 1 ms Max.																																												
	Operating voltage / 工作電壓	DC 12 ~ 24 V or																																												
	Current consumption / 消耗電流	DC: ≤ 14 mA no-load																																												
	Load current / 負載電流	DC: 100 mA Max at DC 24V																																												
	Leakage current / 漏電流	≤ 1.1 mA no-load																																												
	Residual voltage / 殘餘電壓	≤ DC 2V																																												
	Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)																																												
	Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.																																												
	Operating temperature / 工作溫度	-20°C ~ + 60°C																																												
	Protection degree / 防水等級	IP 67																																												
Accessories	Wiring method / 出線方式	Ø4.2x2M/3-wires	M8 pigtailed type / M8接頭15cm電線式	Ø4.2x2M/3-wires	M8 pigtailed type / M8接頭15cm電線式																																									
	Weight / 重量	Approx.64g	Approx.48.4g	Approx.65g	Approx.49.4g																																									

Anti-Bending Inductive Proximity Sensor

PSC

PSC1806-□ 					
PSC1806-□K 					
PSC1812-□ 					
PSC1812-□K 					
Output method / 輸出模式	NPN N.O.	PSC1806-N	PSC1806-NK	PSC1812-N	PSC1812-NK
	NPN N.C.	PSC1806-N2	PSC1806-N2K	PSC1812-N2	PSC1812-N2K
	PNP N.O.	PSC1806-P	PSC1806-PK	PSC1812-P	PSC1812-PK
	PNP N.C.	PSC1806-P2	PSC1806-P2K	PSC1812-P2	PSC1812-P2K
	NPN N.O./N.C. PNP N.O./N.C.	-	-	-	-
	SCR N.O.	-	-	-	-
	SCR N.C.	-	-	-	-
Sensing type / 檢出方式		Shielded / 隔離型		Unshielded / 非隔離型	
Description / 外型		Standard / 標準M18			
Standard sensing object / 標準檢測物		Iron 18x 18 x 1 mm			
Sensing distance / 檢出距離		6 mm		12 mm	
Secure sensing distance / 建議距離		0 to 4.8 mm		0 to 9.6 mm	
Hysteresis / 遲滯		≤ 10 % of sensing distance			
Response time / 反應時間		2 ms Max.			
Operating voltage / 工作電壓		DC 12 ~ 24 V			
Current consumption / 消耗電流		DC: ≤ 14 mA no-load			
Load current / 負載電流		DC: 100 mA Max at DC 24V			
Leakage current / 漏電流		≤ 1.1 mA no-load			
Residual voltage / 殘餘電壓		≤ DC 2V			
Insulation resistance / 隔離阻抗		20MΩ min. (DC500V)			
Voltage withstandability / 絕緣耐壓		AC1000V 60Hz for 60 Sec.			
Operating temperature / 工作溫度		-20°C ~ + 60°C			
Protection degree / 防水等級		IP 67			
Wiring method / 出線方式		Ø5.2x2M/3-wires	M12 pigtailed type / M12接頭15cm電線式	Ø5.2x2M/3-wires	M12 pigtailed type / M12接頭15cm電線式
Weight / 重量		Approx.93g	Approx.40.5g	Approx.92g	Ap prox.39.5g

Fiber

Photo Sensor

Area Sensor

Ultrasonic Sensors

Inductive Proximity Sensor

Capacitive Proximity Sensor


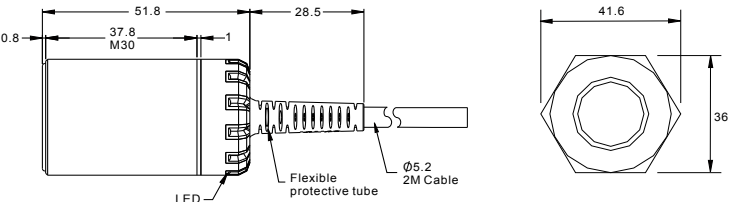

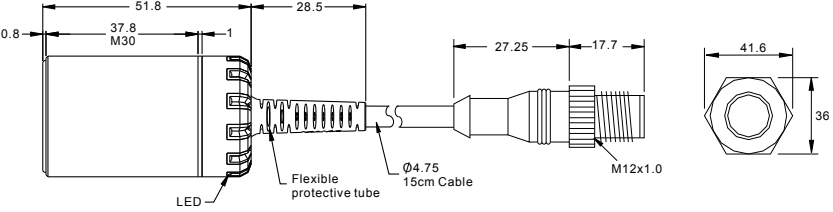

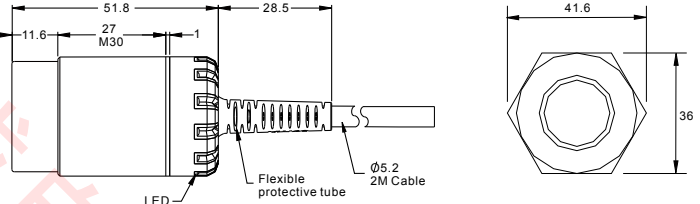

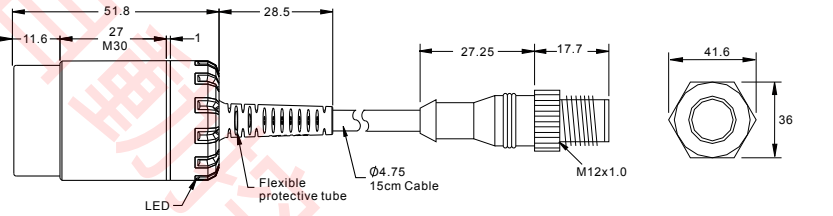

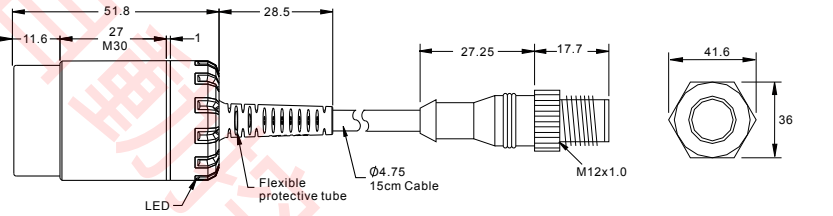
Timer / Counter

Others

Accessories

PSC

Anti-Bending Inductive Proximity Sensor

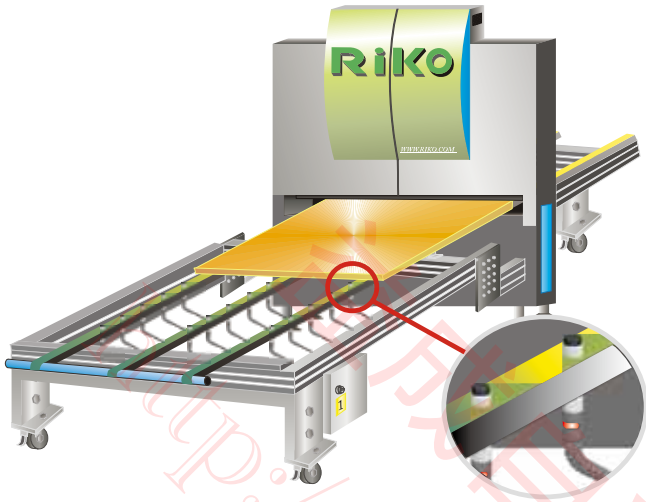
Fiber						
Photo Sensor						
Area Sensor						
Ultrasonic Sensors						
Inductive Proximity Sensor						
Capacitive Proximity Sensor	Output method / 輸出模式	NPN N.O.	PSC3012-N	PSC3012-NK	PSC3018-N	PSC3018-NK
		NPN N.C.	PSC3012-N2	PSC3012-N2K	PSC3018-N2	PSC3018-N2K
		PNP N.O.	PSC3012-P	PSC3012-PK	PSC3018-P	PSC3018-PK
		PNP N.C.	PSC3012-P2	PSC3012-P2K	PSC3018-P2	PSC3018-P2K
		NPN N.O./N.C.	-	-	-	-
		PNP N.O./N.C.	-	-	-	-
		SCR N.O.	-	-	-	-
		SCR N.C.	-	-	-	-
Timer / Counter	Sensing type / 檢出方式	Shielded / 隔離型		Unshielded / 非隔離型		
	Description / 外型	Standard / 標準 M30				
	Standard sensing object / 標準檢測物	Iron 30x 30 x 1 mm				
	Sensing distance / 檢出距離	12mm		18mm		
	Secure sensing distance / 建議距離	0 to 9.6mm		0 to 14.4 mm		
Others	Hysteresis / 遲滯	≤ 10 % of sensing distance				
	Response time / 反應時間	3.3 ms Max.				
	Operating voltage / 工作電壓	DC 12 ~ 24 V				
	Current consumption / 消耗電流	DC: ≤ 16 mA no-load				
	Load current / 負載電流	DC: 100 mA Max at DC 24V				
	Leakage current / 漏電流	≤ 1.1 mA no-load				
	Residual voltage / 殘餘電壓	≤ DC 2V				
	Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)				
Accessories	Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.				
	Operating temperature / 工作溫度	-20°C ~ +60°C				
	Protection degree / 防水等級	IP 67				
	Wiring method / 出線方式	Ø5.2x2M/3-wires	M12 pigtailed type / M12接頭15cm電線式	Ø5.2x2M/3-wires	M12 pigtailed type / M12接頭15cm電線式	
	Weight / 重量	Approx.141g	Approx.88.5g	Approx.129g	Approx.76.5g	

Anti-Bending Inductive Proximity Sensor

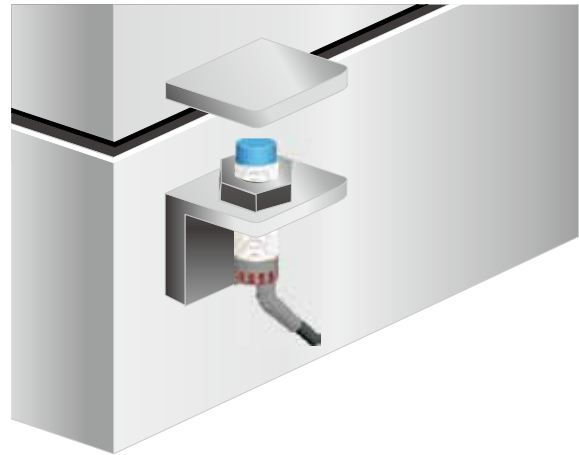


◆Application / 應用例：

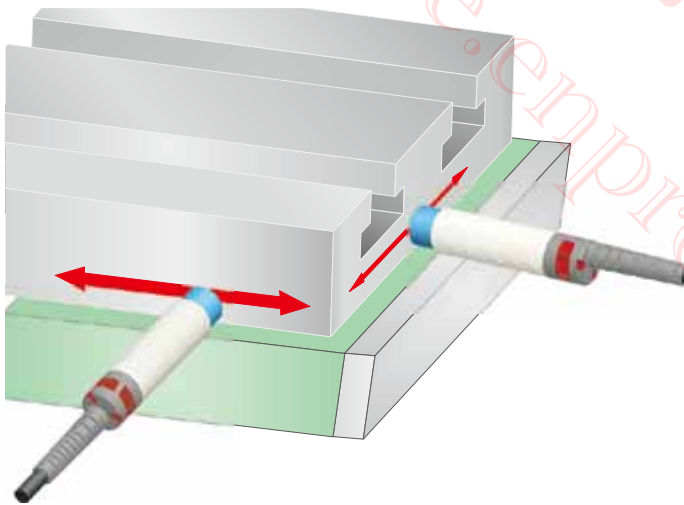
Positioning the metal cut pace
/ 定位金屬塊裁切位置。



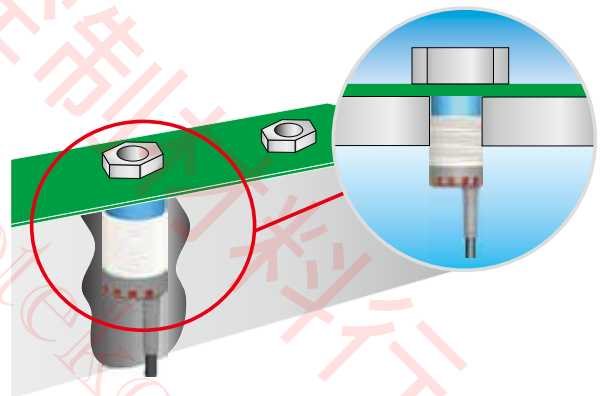
Positioning the moving-part
/ 機構定位



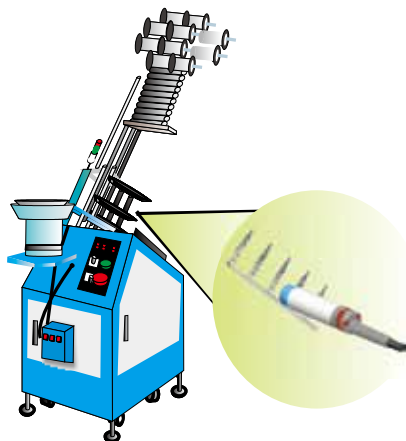
Positioning the moving-part in X / Ytable / 在X/Y平面內機構定位



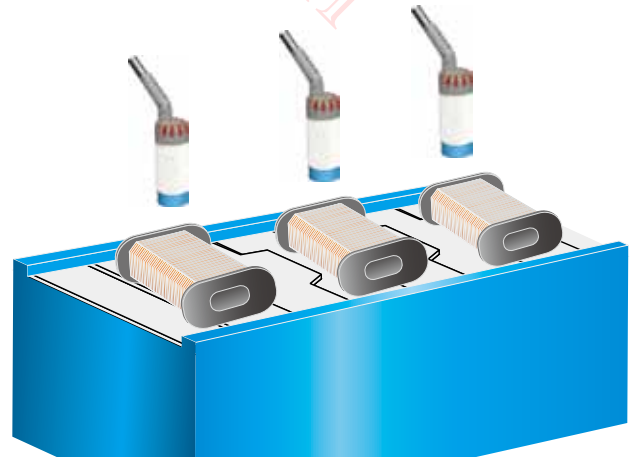
For the metal parts detection.
/ 金屬零件通過檢測。



To detect if the pins is broken.
/ 檢測金屬pin是否有斷裂。



Detection of copper winding.
/ 檢測銅繞組。



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Capacitive Proximity Sensor
Timer / Counter
Others
Accessories