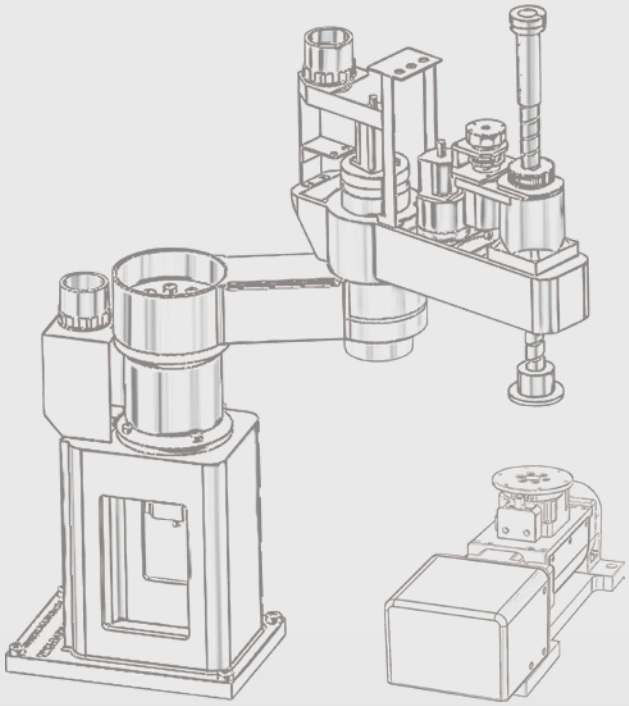
Automation

Two dimeisional rotary module

二維旋轉運動模組

For 5 Axis More easier

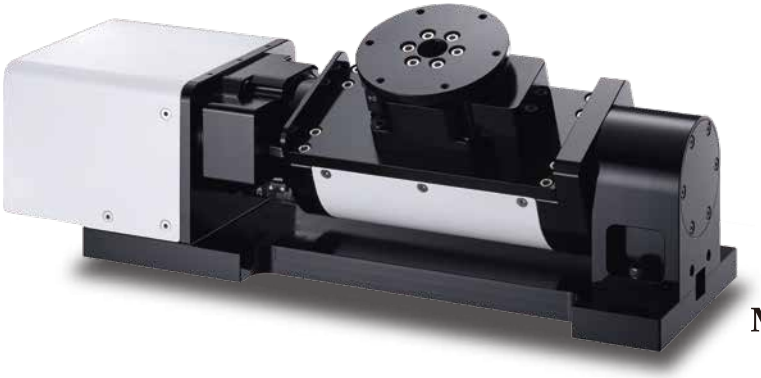


二維極座標精度

Two dimeisional polar coordinates precision

±0.02 mm

MDR



MDC

MDA

MDL

Feature 1

精巧 Small & light

模組化設計.體積小.容易安裝

Modularized design, small, and easy to install

Feature 2

可靠 Reliability

閉迴路馬達控制

具備Ethercat/Ethernet

Close. loop motor control. It provides Ethercat/Ethernet

Feature 3

便利 Convenience

B軸轉台具氣口設計

便利供氣給氣壓元件

Built-in air inlet design of B axis rotary stage

Feature 4

精準 Accuracy

二維連動定位精度可達0.02mm以內

Two dimensional connects geometric accuracy is withing the limit of 0.02mm

Feature 5

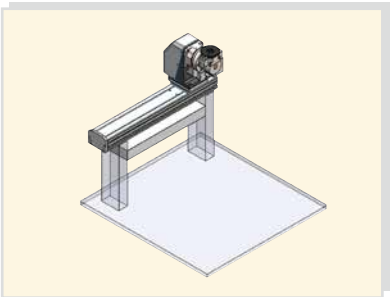
多工 Multiple function

二維旋轉模組搭配直線模組即可完成三維運動模式

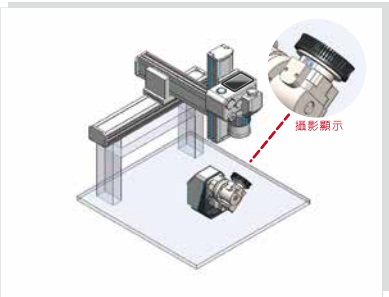
Two dimensional rotary module collocates with linear moduls, finishing three dimensional kinematic

三維運動應用範例

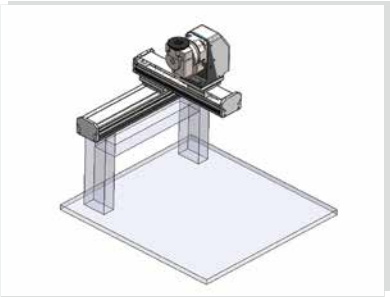
Three-dimensional mobile example



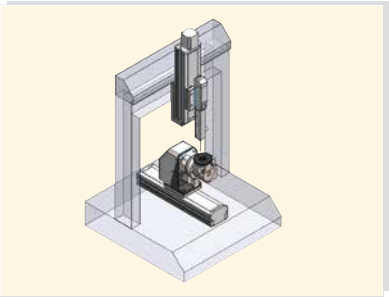
三軸使用 ***(A+B+X)***



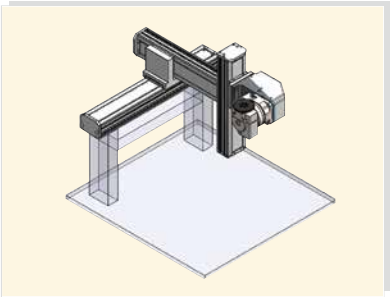
MDR+直線模組：**3D**檢測應用



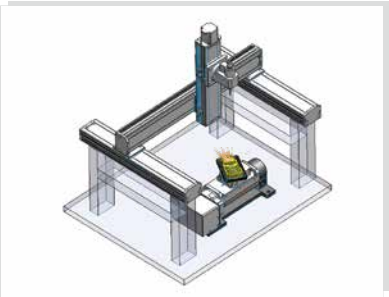
四軸使用 ***(A+B+X+Y)***



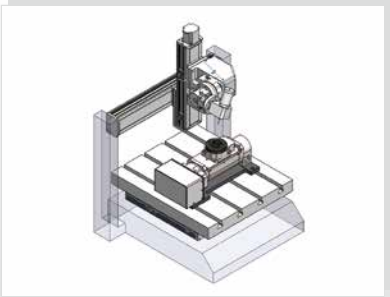
MDR+直線模組：**3D**列印設備5軸應用



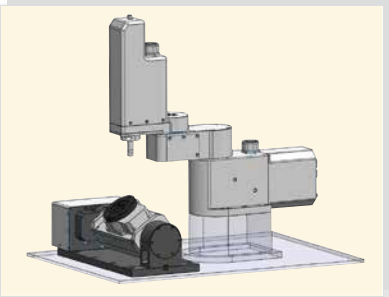
五軸使用 ***(A+B+X+Y+Z)***



MDC+直線模組：激光加工多面翻轉、雕刻、切割，**3D**檢測...等應用



MDR+MDC+直線模組：可應用於鉆孔、攻牙



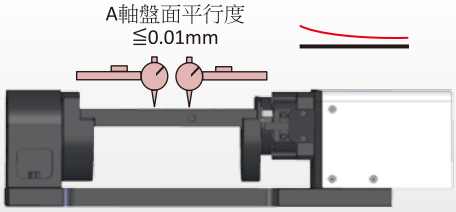
MDC+水平軸機械手臂***(SCARA)***：塑料件去毛邊、鉆孔、攻牙、鎖螺絲...等應用

MDL60 V1 - 150 A

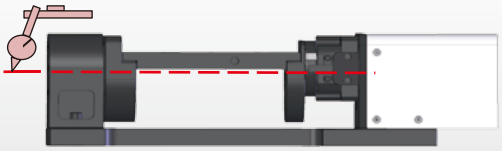
型號 / 規格 Model	MDL60□-150(A)	MDL60□-200(A)
容許轉矩 Max. torque N-m	5	
容許荷重 Max. load kg	5	
旋轉角度 Angle of rotation	± 95°	
旋轉精度 Angle of precision sec/arc	≦ 90”	
重複精度 Repetitive precision sec/arc	≦ 30”	
旋轉同心度 Rotation of concentricity mm	± 0.01	
減速比 Gear ratio i	20	
防護等級 Protection rating	IP60	
馬達 Motor	100W 伺服馬達 42型步進馬達	

運動精度規範

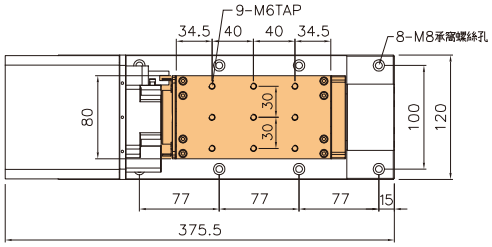
A軸盤面平行度
≦0.01mm



A軸旋轉同心度
≦0.01mm

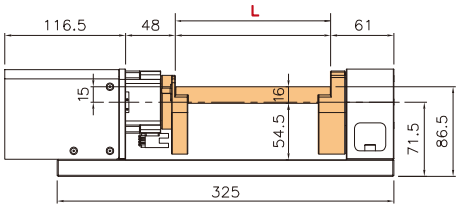


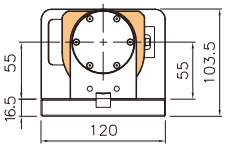
MDL60□-150
MDL60□-200



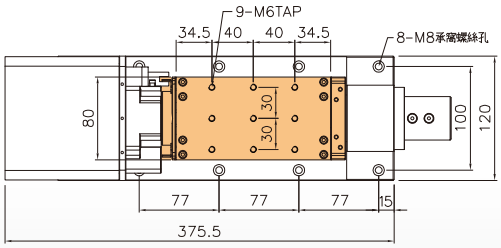
MDL60□-150	L:150mm
MDL60□-200	L:200mm

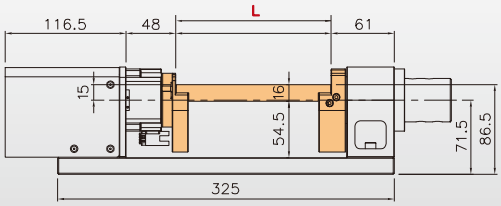
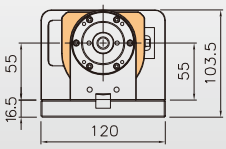
A軸馬達長度：≦66mm





MDL60□-150A
MDL60□-200A



MDL60□-150A	L:150mm
MDL60□-200A	L:200mm

A軸馬達長度：≦66mm