

圓盤式 + 刀套側刀 + 凸輪箱換刀機構  
Disk Type + Pocket Tilt + Cambox

| 刀具規格<br>Pocket Spec.                                                     | 大圓盤式 / 刀套旋轉 90°<br>Big Disk Type / Pocket Tilt 90° Mechanism |                             |
|--------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|
| 刀具容量<br>Tool Capacity                                                    | #40 BT / CAT / DIN / HSK40 / HSK50 / HSK63                   | #50 BT / CAT / DIN / HSK100 |
| 最大刀徑 端刀 / 空端刀<br>Max. Tool Diameter<br>With Adjacent Pocket Full / Empty | mm 75 / 150                                                  | 110 / 220                   |
| 最大刀重<br>Max. Tool Weight                                                 | kg 8                                                         | 15                          |
| 換刀時間<br>Tool Change Time                                                 | sec/60hz 1.5                                                 | 2.9                         |
| 刀庫速度<br>Magazine Speed                                                   | sec/tool 0.15 (伺服)<br>0.15 (Servo)                           | 0.3 (伺服)<br>0.3 (Servo)     |
| 刀庫管理模式<br>Tool Management Model                                          | 任意式<br>Random                                                | 任意式<br>Random               |
| 換刀型式<br>Tool Changing Selection                                          | 滾子凸輪式凸輪<br>Roller Gear Cam                                   | 滾子凸輪式凸輪<br>Roller Gear Cam  |



HMR4E (HSK63A x 40T)



HMR5C (#50 x 40T)

圓盤式 + 刀套側刀 + 凸輪箱換刀機構  
Disk Type + Pocket Tilt + Cambox

| 刀具規格<br>Pocket Spec.                                                     | 大圓盤式 / 刀套旋轉 90°<br>Big Disk Type / Pocket Tilt 90° Mechanism |                             |
|--------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|
| 刀具容量<br>Tool Capacity                                                    | #40 BT / CAT / DIN / HSK40 / HSK50 / HSK63                   | #50 BT / CAT / DIN / HSK100 |
| 最大刀徑 端刀 / 空端刀<br>Max. Tool Diameter<br>With Adjacent Pocket Full / Empty | mm 75 / 150                                                  | 105 / 210                   |
| 最大刀重<br>Max. Tool Weight                                                 | kg 8                                                         | 15                          |
| 換刀時間<br>Tool Change Time                                                 | sec/60hz 1.5                                                 | 2.9                         |
| 刀庫速度<br>Magazine Speed                                                   | sec/tool 0.6                                                 | 0.8                         |
| 刀庫管理模式<br>Tool Management Model                                          | 任意式<br>Random                                                | 任意式<br>Random               |
| 換刀型式<br>Tool Changing Selection                                          | 滾子凸輪式凸輪<br>Roller Gear Cam                                   | 滾子凸輪式凸輪<br>Roller Gear Cam  |



HMR4AK (#40 x 24T)

鏈條式 + 刀套側刀 + 凸輪箱換刀機構  
Chain Type + Pocket Tilt + Cambox

| 刀具規格<br>Pocket Spec.                                                     | 鏈條式 / 刀套旋轉 90°<br>Chain Type / Pocket Tilt 90° Mechanism |                             |
|--------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------|
| 刀具容量<br>Tool Capacity                                                    | #40 BT / CAT / DIN / HSK40 / HSK50 / HSK63               | #50 BT / CAT / DIN / HSK100 |
| 最大刀徑 端刀 / 空端刀<br>Max. Tool Diameter<br>With Adjacent Pocket Full / Empty | mm 75 / 127                                              | 125 / 229                   |
| 最大刀重<br>Max. Tool Weight                                                 | kg 8                                                     | 15                          |
| 換刀時間<br>Tool Change Time                                                 | sec/60hz 1.3~1.5                                         | 2.9                         |
| 刀庫速度<br>Magazine Speed                                                   | sec/tool 0.6                                             | 0.78                        |
| 刀庫管理模式<br>Tool Management Model                                          | 任意式<br>Random                                            | 任意式<br>Random               |
| 換刀型式<br>Tool Changing Selection                                          | 滾子凸輪式凸輪<br>Roller Gear Cam                               | 滾子凸輪式凸輪<br>Roller Gear Cam  |



HC5BQ (#50 x 40T)



HC5RA (#50 x 60T)

放射狀圓盤式 + 刀套側刀 + 凸輪箱換刀機構  
Radial Disk Type + Pocket Tilt + Cambox

| 刀具規格<br>Pocket Spec.                                                     | 大圓盤式 / 刀套旋轉 45°<br>Big Disk Type / Pocket Tilt 45° Mechanism |  |
|--------------------------------------------------------------------------|--------------------------------------------------------------|--|
| 刀具容量<br>Tool Capacity                                                    | #40 BT / CAT / DIN / HSK63A                                  |  |
| 刀具容量<br>Tool Capacity                                                    | 40T (H4MKV) / 60T (H4RKV)                                    |  |
| 刀具間距<br>Pocket Pitch                                                     | mm 90                                                        |  |
| 最大刀徑 端刀 / 空端刀<br>Max. Tool Diameter<br>With Adjacent Pocket Full / Empty | mm 95 / 170                                                  |  |
| 最大刀重<br>Max. Tool Weight                                                 | kg 10kg at 10 N-m                                            |  |
| 換刀時間<br>Tool Change Time (tool to tool)                                  | sec/60hz 1.5                                                 |  |
| 刀庫驅動方式<br>Driving System                                                 | 伺服馬達<br>Servo Motor                                          |  |
| 刀庫速度<br>Magazine Speed                                                   | sec/tool 0.15 / 刀套<br>0.15 / pocket                          |  |

