

深孔放電加工機 - D50 / D60 / SD60

High Speed Small Hole Drilling EDM

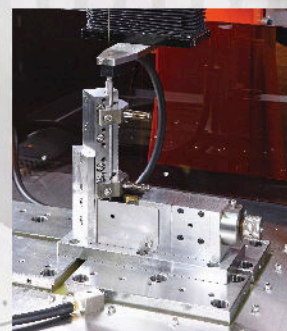


D50
油加工

☞ Available



D50



模沖加工治具
Mold Stamping Jigs



D60
(搭配600行程機頭)



SD60

本機型特點

- 傳統機，CNC專業生產製造
- 銅管加工尺寸：φ0.1mm ~ φ6.0mm
- 加工精度 (偏差值) 100mm < 0.03mm (φ1.0 mm)
- 內裝純水製造機，無需另購工業用水
- 離子淨化系統，可提供一對多台使用，效率可提高30%以上
- 特殊迴路設計，適合各種特殊材質及超硬合金加工
- 可選用放電油加工系統，針對鎢鋼及特殊材質加工用

Small Hole Drilling EDM

- Manual Type & CNC Drilling EDM Profession Manufacturer.
- Drilling capacity dia. is from φ0.1mm to φ6.0mm.
- High verticality (Deviation) is lower than 0.03mm (Ex: φ1.0 mm pipe drilling 100mm depth).
- Inbuilt Water Filtration System and pure water available.
- Ion Exchange Resin Treatment Filter support more machines and raise working efficiency that's over 30%.
- Special circuit design apply to all kinds & hardened metal materials.
- Optional discharge oil machining systems for processing tungsten steel and special materials .

標準配件

- 電極夾頭-----1Pc
- 壓板-----2Pcs
- 工具箱-----1Set
- 銅管電極-----10Pcs
- 導嘴-----1Pc
- 平行塊
- 純水製造系統

Standard Accessories

- Electrode Chuck-----1Pc
- Clamp Plate-----2Pcs
- Tool & Kit-----1Set
- Electrode Pipes-----10Pcs
- Electrode Guide-----1Pc
- Metal pad
- Water Filtration System

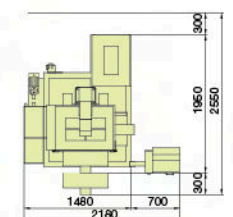
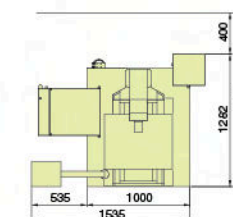
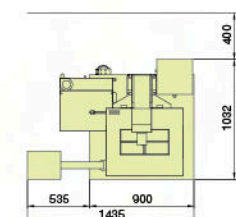
特殊配件

- X Y Z軸光學尺
- 特殊銅管電極
- 特殊導嘴
- 純水製造系統
- 離子淨化系統
- 常態過濾系統
- 使用600mm銅管機頭行程加長

Additional Equipment

- X Y Z axis Linear Scales
- Electrode Pipes
- Electrode Guide
- Water Filtration System
- Ion Exchange Resin Treatment Filter
- Normal Flow Filtration System
- 600mm electrode pipe or above, travel of Workhead must be lengthened

離子淨化系統
Ion Exchange Resin
Treatment Filter



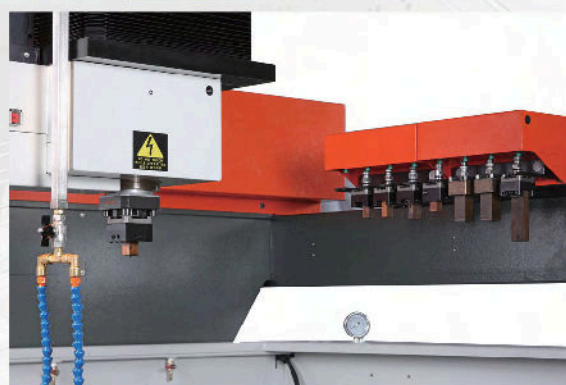
Specification	D 50	D 60	SD 60
工作檯X、Y軸行程 X, Y-travel	300 x 200 mm	400 x 300 mm	400 x 300 mm
Z軸行程 Z-travel	360 mm	360 mm	360 mm
機頭輔助行程 Backslide travel	140 mm	190 mm	190 mm
導嘴上下距離 Vertical head travel	160 mm	160 mm	160 mm
工作檯尺寸 Table dimension	410 x 210 mm	550 x 310 mm	550 x 310 mm
工作檯與導嘴最大距離 Maximum distance of table quill (Guide)	350 mm	400 mm	400 mm
銅管電極尺寸 Electrode pipe dimension	φ0.3~φ3.0mm (特殊φ0.1~φ6.0mm)		
最大工件尺寸 Maximum workpiece dimension	630 x 520 x 300 mm	1000 x 650 x 300 mm	750 x 560 x 300 mm
加工液容量 Capacity	30 Litre	30 Litre	110 Litre
機台總重量 Machine weight	900 kgs	1300 kgs	1500 kgs
機台高度 Machine Height	2370-2255 mm	2380-2150 mm	2390-2180 mm

●提供中大型以上之機種訂購 Larger models are available as requests.

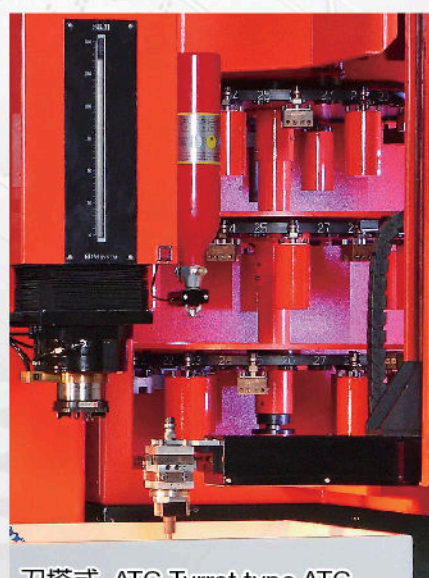


內藏式 Built-in

▶▶▶▶ C-Axis



外掛式 External



刀塔式 ATC Turret type ATC

規格 Specification	SKM C 軸 (內藏式) C - Axis (Built-in)	SKM C 軸 (外掛式) C - Axis (External)
重量 Weight	30Kg	40 Kg
馬達 Motor	AC 400W / 200VAC	AC 400W / 200VAC
解碼器 (解析度) Encoder	S-D 90 (90000 pulses)	S-D 90 (90000 pulses)
最大中心沖液壓力 Max. Centric Flushing Pressure	2 Bar	2 Bar
最大加工電流 Max. Machining Current	90 A (不旋轉時); 45 A (旋轉時) 90 A (Static); 45 A (Dynamic)	90 A (不旋轉時); 45 A (旋轉時) 90 A (Static); 45 A (Dynamic)
最大轉速 Max. Rotational speed	60 rpm	60 rpm
定位精度 Positioning accuracy	± 0.001°	± 0.001°
夾頭類型 Chuck Type	EROWA or 3R System or Hirschmann	EROWA or 3R System or Hirschmann
最大電極重量 Max. Electrode Weight	18 Kg	20 Kg
空氣壓力要求 Air Pressure Required	6 Kg / cm ² , Psi 85	6 Kg / cm ² , Psi 85
最大扭力 Max. torque	18 Nm	30 Nm
齒輪比 Gear Ratio	1:15	1:40

●欲詳解更多相關資料，請洽本公司業務專員 For more details, Pls contact our sales.

ZNC系列

標準配件

- 精密電極夾頭
- 石英照明燈
- 工作固定工具組
- 吸磁性噴油座
- 操作說明書
- 三軸光學尺 (1um)

Standard Accessories

- Precision Electrode Clamps
- Piezoelectric Light
- Work Fastening Tool Kit
- Magnetic Induction Oil Nozzle Base
- Operations Manual
- X Y Z axis Linear Scales

特殊配件

- 瑞士 "EROWA" 夾具
- 瑞典 "3R" 夾具
- 加工液冷卻器
- 進口放電專用油
- 永久磁盤
- 鏡面加工系統
- 自動滅火器

Additional Equipment

- "EROWA" Chuck-Swiss
- 3R System Chuck-Swedish
- Di-Electric Cooler
- Electric Oil
- Permanent Magnetic Chuck
- M.F.D (Fine Mirror Finish)
- Automatic Fire Extinguisher

PNC系列

標準配件

- 精密電極夾頭
- 石英照明燈
- 工作固定工具組
- 吸磁性噴油座
- 操作說明書
- 三軸光學尺 (1um)

Standard Accessories

- Precision Electrode Clamps
- Piezoelectric Light
- Work Fastening Tool Kit
- Magnetic Induction Oil Nozzle Base
- Operations Manual
- X Y Z axis Linear Scales

特殊配件

- 瑞士 "EROWA" 夾具
- 瑞典 "3R" 夾具
- 加工液冷卻器
- 進口放電專用油
- 永久磁盤
- 鏡面加工系統
- 自動滅火器

Additional Equipment

- "EROWA" Chuck-Swiss
- 3R System Chuck-Swedish
- Di-Electric Cooler
- Electric Oil
- Permanent Magnetic Chuck
- M.F.D (Fine Mirror Finish)
- Automatic Fire Extinguisher

CNC (動柱) 系列

標準配件

- 精密電極夾頭
- 石英照明燈
- 工作固定工具組
- 吸磁性噴油座
- 操作說明書
- 鏡面加工系統
- 三軸光學尺 (1um)

Standard Accessories

- Precision Electrode Clamps
- Piezoelectric Light
- Work Fastening Tool Kit
- Magnetic Induction Oil Nozzle Base
- Operations Manual
- M.F.D (Fine Mirror Finish)
- X Y Z axis Linear Scales

特殊配件

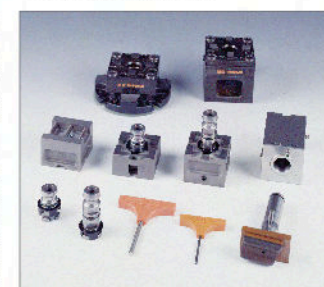
- 自動換電極系統
- C軸功能
- 瑞士 "EROWA" 夾具
- 瑞典 "3R" 夾具
- 加工液冷卻器
- 進口放電專用油
- 永久磁盤
- 自動滅火器
- 影像量測系統

Additional Equipment

- ATC (Auto Tool Change)
- C-Axis
- "EROWA" Chuck-Swiss
- 3R System Chuck-Swedish
- Di-Electric Cooler
- Electric Oil
- Permanent Magnetic Chuck
- Automatic Fire Extinguisher
- Charg Coupled Device



CCD+C軸+ATC



3R夾頭治具



EROWA系列



標準配件



冷卻器



飛碟夾頭



三貴夾頭

過濾蕊