

標準配備 STANDARD ACCESSORIES

			S series	M series	A series	HQSP series
1.滅火器	Fire extinguisher	1 set	○	○	○	○
2.專業電極頭	Electrode chuck	1 set	○	○	○	○
3.光學尺 (X.Y.Z三軸)	Linear scale	1 set	○	○	○	○
4.工具箱	Tools box	1 set	○	○	○	○
5.噴油磁座	Flush magnetic base	1 set	○	○	○	○
6.工作燈	Work lamp	1 pc	○	○	○	○
7.油液過濾網	Filter	2 pcs	○	○	○	○
8.冷卻裝置	Cooler	1 set	-	○	○	○
9.粉末6KG	Powder 6KG	1 carton	-	-	-	○
10.鏡面加工	Mirroring machining circuit	1 set	-	-	-	○
11.花崗岩墊塊	Granite pad	1 set	-	-	-	○

選用配備 OPTIONAL ACCESSORIES

▶▶▶ 高速光澤加工系列 (選配)

台灣發明專利 I229622

▶▶▶ Windows介面 (選配)

1. 更友善的圖形化操作介面，減少使用者學習時間。
2. 多樣化的量測功能 (三點求圓，非對稱穴心，非對稱柱心，平行度校正...)
3. 多工件自動量測，針對相同尺寸工件，可自動量測並紀錄座標，方便程式編輯。
4. 量測程式化，可將量測功能編輯到程式中，方便自動化需求。
5. 程式檢查，提醒使用者程式錯誤行數和原因。
6. 遠端監控，可隨時隨地透過，手機，平板，筆電監控機台。
7. 遠端程式編輯，可隨時隨地利用筆電編輯程式。
8. 可搭配EROWA機外預校機。
9. 可搭配任何3次元量床電極補償檔案。

▶▶▶ 特殊迴路 (選配)

1. 鏡面迴路
2. 光澤加工迴路
3. 碳化鎢迴路
4. 大面積迴路
5. 高速石墨迴路

▶▶▶ 自動逆洗機構 (選配)

為維持高度淨化的加工液，達成高精度加工，可選用自動逆洗機構，過濾1µm以上顆粒 (濾心使用年限超過3年)。

▶▶▶ High quality super polishing system (Opt.)

Taiwan Patent No. I229622

▶▶▶ Windows Interface (Opt.)

1. More user friendly graphical interface improves the user familiarity with the system also reduces the time of learning.
2. Diversification measurement function (3 points for Center, unsymmetrical groove unsymmetrical column, parallel calibration)
3. Multi-workpiece automatic measurement with the same size, the coordinates can be recorded for the convenience of program editing.
4. Programmable measurement, the measurement function can be edited into program, for the needs of automation operation.
5. Program check, alert the user program errors and the cause.
6. Remote monitoring by mobile phones, pads, or laptops anytime anywhere.
7. Remote program editing on laptops anywhere.
8. Compatible with EROWA calibration equipments.
9. Compatible with any coordinate measuring machine (CMM) electrode compensation files.

▶▶▶ Optional discharge circuit (Opt.)

1. Mirror polishing machining circuit
2. HQSP circuit
3. Cemented carbide machining circuit
4. Large area circuit
5. High Speed Graphite circuit

▶▶▶ Automatic back-flushing device (Opt.)

To keep the working fluid highly clean to meet high precision machining requirement, an optional automatic back-flushing device is suggested. The device is capable of filtrating over 1 µm of particles (Service life of filter element is over 3 years)

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S-SERIES



A-SERIES



M-SERIES

CNC M/A/S-SERIES

HIGH QUALITY SUPER
 POLISHING (HQSP) EDM
 億曜CNC全系列 &
 HQSP高速光澤放電加工機

億曜企業股份有限公司
 YIHAWJET ENTERPRISES CO., LTD.



HQSP光澤加工設備(選配) 台灣發明專利: I229622
 可大幅提升光澤加工的面積, 約可達到400cm², 使用石墨也可達成光澤修細。HQSP達成光澤加工所需時間約一般加工的1/2~1/5倍。減少加工表面的龜裂現象, 以及模具完成後手推磨光作業的時間及負擔。
 HQSP加工面積和粗糙度關係50Ø (Ra 0.15µm), 400cm² (Ra 0.25µm)

HQSP The High Quality Super Polishing Equipment (Opt.) Taiwan invention patent: I229622

HQSP is able to substantially increase luster surface area limitation to approximately 400cm². The time cracking and saves time and efforts in manual polishing operations after machining.

The relationship between machining area and surface roughness of HQSP is: 50Ø (Ra 0.15µm), 400cm² (Ra 0.25µm).

機床規格 SPECIFICATIONS

M/A/S SERIES

台面固定式放電加工機
 High Precision Heavy Duty EDM



加工槽升降式
 放電加工機
 Intelligent Electric
 Discharge Machine



A系列-台灣新型專利 M373250
 A-SERIES Taiwan Patent No. M373250

C型結構放電加工機
 High Costeffective EDM



項目 ITEM	型號 MODEL	單位 UNIT	M2170-2H	M1670	M1470	M1270	M1060	M860	M645	M540+	A645+	A540+	A430+	S540	S430	S430A	S430C	S320C	
加工槽內部尺寸 Work tank internal dimensions (WxDxH)	mm		2890x1700x800	2550x1500x670	2400x1500x670	2250x1500x670	2100x1350x650	1950x1350x650	1550x1280x620	1100x620x400	1175 x 760 x 500	900 x 620 x 400	750 x 530 x 350	1300x800x380	1100x620x280	1100x620x280	1100x620x280	900 x 500 x 270	
最大工件尺寸 Max. workpiece dimensions (WxDxH)	mm		2600x1200x700	2300x1000x600	2200x1000x600	2000x1000x600	1900x800x600	1800x800x600	1400x750x550	820x450x400	1050 x 650 x 420	820 x 450 x 400	550 x 350 x 350	1045x700x330	850 x 500 x 230	850 x 500 x 230	850 x 500 x 230	670 x 350 x 220	
最大工件重量 Max. workpiece weight	kg		5000	4000	4000	4000	3000	3000	2000	1000	1500	800	500	600	400	400	400	300	
最大電極重量 Max. electrode weight	kg		300	300	300	300	300	300	300	120	100	120	80	120	100	100	100	100	
X, Y, Z軸行程 X, Y, Z axis stroke	mm		1050x700x500/600*	1600x700x500/600*	1400x700x500/600*	1200x700x500/600*	1000x600x500	800x600x500	650 x 450 x 500	500 x 400 x 350	650 x 450 x 450	500 x 400 x 400	400 x 300 x 300	500 x 400 x 400	400 x 300 x 350	400 x 300 x 350	400 x 300 x 350	300 x 200 x 300	
最大移動速度 Maximum moving speed	mm/min		X, Y axis: 1000 Z axis: 2000							X, Y axis: 2000 Z axis: 2000	X, Y, Z axis: 2000			X, Y axis: 1000 Z axis: 2000					
工作台尺寸 Table dimensions (WxD)	mm		2250 x 1100	1800 x 960	1800 x 960	1800 x 960	1320 x 800	1320 x 800	1000 x 750	820 x 450	1050 x 650	820 x 450	550 x 350	900 x 550	800 x 450	800 x 450	800 x 450	600 x 300	
電極夾頭板與工作台的距離 Distance between plate and table	mm		530~1030 / 1130*	550~1050 / 1150*	550~1050/1150*	550~1050/1150*	400~900	400~900	400~900	250~600	350~800	250~650	300~600	230~630	250~600	250~600	250~600	160~460	
機械體積 Machine tool dimensions (WxDxH)	mm		5500x1600x3750	3200x3150x3350/3450*	3050x3150x3350/3450*	2900x3150x3350/3450*	2650x2750x3110	2500x2750x3110	2120x2850x3100	1600x2380x2400	3400x1650x2750	1400x2400x2400	1250x2100x2150	1700x1600x2250	1420x1350x2100	1800x1900x2200	1470x1370x2060	1400x1320x2100	
電子箱體積 (WxDxH) Volume of electric cabinet (WxDxH)	mm		650 x 1080 x 1750							650 x 1080 x 1750			650 x 1080 x 1750		-	650x1080x1750	650x1080x1750		
機械重量 Machine tool weight	kg		15000	11000	10950	10750	10500	6470	5660	2500	4500	2500	2200	2130	1680	2240	1825	1245	
電子箱重量 Weight of electric cabinet	kg		365kg (35A) / 390kg (50A) / 420kg (70A) / 470kg (105A) / 570kg (140A) / 620kg (175A) / 670kg (200A)							365kg(35A) / 390kg(50A) / 420kg(70A) / 470kg(105A)			365kg(35A) / 390kg(50A) / 420kg(70A) / 470kg(105A)		-	365kg(35A) / 390kg(50A) / 420kg(70A)			
可選用電源容量* Available power supplies *	type		50A / 70A / 105A / 140A / 175A / 200A							35A / 50A / 70A / 105A	35A / 50A / 70A / 105A			50A / 70A / 105A	35A / 50A / 70A				
油箱容量 Dielectric reservoir capacity	ℓ		4600	3200	3000	2800	2400	2200	1600	650	1000	800	600	500	400	400	400	400	200
佈置面積 (AxB) (CxD) Layout (AxB) (CxD)	mm		(5150 x 5700) (4850 x 4900)	(4710 x 5500) (4110 x 4700)		(3830 x 4110) (3230 x 3310)	(3630 x 4110) (3030 x 3310)	(3380 x 4110) (2780 x 3310)	(2850 x 3180) (2250 x 2380)	(3000 x 4200) (2400 x 3400)	(2650 x 3200) (2050 x 2400)	(2500 x 3000) (2170 x 2300)	(3850 x 2960) (3250 x 2165)	(3450 x 3440) (2530 x 2230)	(2950 x 3250) (2350 x 2500)	(3120 x 2465) (2520 x 1665)	(2730 x 2225) (2130 x 1425)		
可設定驅動單位 Setting unit increments	µm		1							1			1						
光學尺解析單位 Optical scale resolution	µm		1							1			1						
高速光澤加工系統 (HQSP) High quality super polishing system (HQSP)	-		NA	NA	NA	M1270S	M1060S	M860S	M645S	M540S+	A645S+	A540S+	A430S+	S540S	S430S	S430AS	NA	NA	

- 加工槽內部尺寸係指工作台上可用之範圍。
- 佈置面積: AxB: (機台+預留空間), CxD: (機台)。
- 本公司保留規格及數值變更之權利, 若有更改時恕不另行通知, 並請於訂購時確認。
- * 表選配。
- * 電源容量和對應功率: 35A(4KVA) / 50A(5.5KVA) / 70A(8KVA) / 105A(12KVA) / 140A(16KVA) / 175A(20KVA) / 200A(24KVA)
- The work tank internal dimensions means the applicable range on the table.
- Layout: AxB: (Machine+Reserve space), CxD: (Machine)。
- Specifications are subject to change without prior notice due to continual research and development.
- * is optional.
- * Ampere (Power): 35A(4KVA) / 50A(5.5KVA) / 70A(8KVA) / 105A(12KVA) / 140A(16KVA) / 175A(20KVA) / 200A(24KVA)

