

機床規格 SPECIFICATIONS

項目 ITEM	型號 MODEL	H1245 (7 axes)	H845 (7 axes)	H745 (5 axes, 4 channels)	H640 (5 axes, 4 channels)	
加工槽內部尺寸	Work tank internal dimensions (ØDxH)	mm	Ø1050 x 260	Ø800 x 235	Ø1050 x 260	Ø800 x 235
最大工件尺寸	Max. workpiece dimensions (ØDxH)	mm	Ø860 x 215	Ø610 x 180	Ø860 x 215	Ø610 x 180
最大工件重量	Max. workpiece weight	kg	150	150	150	150
最大電極重量	Max. electrode weight	kg	2	2	50	50
X, Y, Z軸加工行程	X, Y, Z axis stroke	mm	700 x 450 x 450	600 x 450 x 450	700 x 450 x 450	600 x 400 x 400
C, A, B軸旋轉角度	C, A, B axes rotating degree	deg	180° / 100° / 170°	180° / 100° / 170°	30°	30°
W軸旋轉角度	W axis rotating degree	deg	0°~360°			
可設定驅動單位	Setting unit increments	µm / deg	1 / 0.001°			
最大移動速度	Maximum moving speed	mm/min	X, Y axis: 2000 / Z axis: 3000			
最大旋轉速度	Maximum rotating speed	rpm	C, A, B axis: 10 / W axis: 5			
工作台尺寸	Table dimensions (ØD)	mm	Ø750	Ø500	Ø750	Ø500
機械體積	Machine tool dimensions (WxDxH)	mm	2800 x 3000 x 3300	2200 x 3000 x 3200	2800 x 3000 x 3300	1850 x 2950 x 3100
電子箱體積	Volume of electric cabinet (WxDxH)	mm	860 x 960 x 1950	860 x 960 x 1950	1360 x 950 x 1950	1360 x 950 x 1950
機械重量	Machine tool weight	kg	13000	9000	13000	5800
電子箱重量	Weight of electric cabinet	kg	500	500	870	870
可選用電源容量	Available power supplies	type	35A	35A	35A x 4	35A x 4
油箱容量	Dielectric reservoir capacity	ℓ	600	600	1380	1280
佈置面積	Layout (AxB) (Cx D)	mm	(6900 x 7700) (5400 x 5500)	(6450 x 7550) (4950 x 5350)	(7850 x 7700) (7180 x 5500)	(6480 x 7200) (5800 x 4300)

- 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)。
- 佈置面積以安裝大外罩來估算。
- 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。
- 億曜公司擁有強大開發能力, 若有特殊需求, 歡迎來電洽詢。
- The work tank internal dimensions means the applicable range on the table.
- Layout: AxB: (Machine+Reserve space), CxD: (Machine)。
- Layout is estimated with splash guard installed.
- Specifications are subject to change without prior notice due to continual research and development.
- YIHAWJET ENTERPRISES CO., LTD. has outstanding R & D capability. If you have any special requirement, please contact us.

選用配備 OPTIONS

項目 ITEM	型號 MODEL	H1245 (7 axes)	H845 (7 axes)	H745 (5 axes)	H640 (5 axes)
電極夾具系統	AUTO TOOLING SYSTEM	3R (MACRO), EROWA (ITS)		EROWA (Production Chuck)	
旋轉刀庫 Rotary magazine	最大電極數目 Electrode No.	12/16		NA	
	最大電極承載重量 Max. Weight of electrode	4		NA	
	直徑/長度 Diameter / length	65		NA	
穩壓器 (AVR)**	Voltage regulator unit (AVR)**	○	○	○	○
逆洗過濾系統設備	Automatic back flushing system	○	○	○	○

- 安裝環境需求, 歡迎來電洽詢。
- 為配合旋轉刀庫運作, 需購買3R或Erowa自動夾頭。
- 請用戶調查區域電壓的穩定狀況, 電壓變動在超過+15%至-10%時, 應特別裝設AVR, 以提高電子零件壽命。
- Please contact us for installation environment.
- Rotary magazine must use air chuck (3R-600, EROWA).
- **When variation of the AC power source is +15% over or -10% under, we recommend using AVR to improve stability.

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H1245



CNC H-SERIES

五軸 / 七軸放電加工機
5 AXES / 7 AXES
CNC EDM





H745/H640

五軸放電加工機
5 Axes CNC Electric
Discharge Machine



七軸放電加工機
7 Axes CNC Electric Discharge Machine

H845

特性

六軸同動 XYZ+ABC (多國專利, 台灣專利證號: I472394)

具有獨特專利設計的串列式A/B/C旋轉軸機構, 如圖(A/B/C旋轉軸) 簡示。先進的控制器達成X/Y/Z/A/B/C六軸同動加工, 對於國防、軍品、航太等特殊加工應用件, 可透過任意軸向, 進行各式行星式擴孔加工來達成。

W軸旋轉台 (台灣專利證號: M418747)

對於圓對稱性的工件, 可以依NC程式規劃操控加工。

電極補償程式化

加工中, 可執行電極自動補正功能, 提升加工精度。

全護罩防護設計 (選配)

為維持高精密加工, 可選配外護罩, 搭配空調系統和油霧分離系統, 保持內部空氣的淨化和恆溫狀態。

絕對式光學尺 (選配)

開機完成後可立即執行量測或加工。遭遇工廠突然斷電, 重新開機完成後, 也可立即恢復原先的加工狀態。

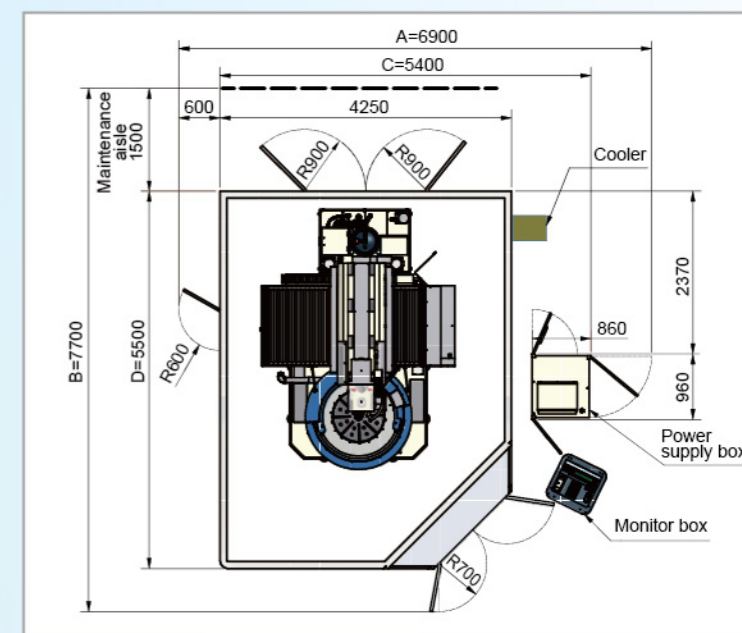
自動逆洗機構 (選配)

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

數位式電錶 (選配)

符合工業4.0規範, 偵測加工電壓電流、機台電力耗損、電解液溫度和環境溫度偵測記錄。

佈置面積 Layout



Features

Six axes simultaneous control (X/Y/Z+A/B/C) (Multi-nation patented. US patented No.:US8866035 B2)

Exclusively patented design of series type A/B/C rotating axes is shown on the figure. The advanced controller features simultaneous control on 6 axes (X/Y/Z/A/B/C axes). This makes the machine ideal for special machining applications in the defense, military and aerospace industry, which can be achieved by using various planetary orbital cutting on any axis.

W-axis rotary table

(Taiwan patented No.:M418747)

Suitable for symmetrical round parts machining through NC program control.

Programmable electrode compensation

Automatic electrode compensation function can be executed during machining to improve precision.

Fully enclosed splash guard (Opt.)

To ensure high precision machining, an optional external guard is available. This combined with air conditioning system and oil mist separation system to keep the internal air clean and at a constant temperature condition.

Absolute linear scale (Opt.)

When equipped with the linear scale, measuring and machining can be performed immediately after the machine starting procedures are finished. In case of power failure, the machine will immediately return to its original machining condition after restarting.

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 filtering over 1 μ m of particles (Service life of filter element is over 3 years)

Digital meter (Opt.)

Meets Industry 4.0 standard specifications, detects machining electricity current, electricity power consumption, electricity fluid temperature, also environment temperature detection records.