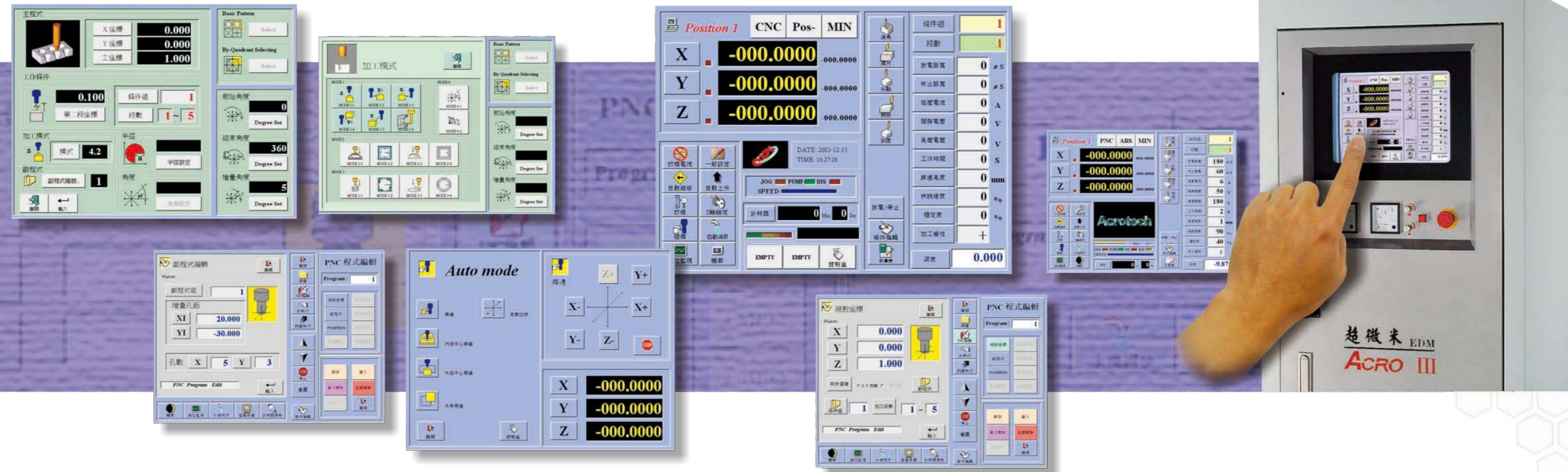


CNC MIRROR SPARK MACHINE

CNC鏡面放電加工機
ACRO STAR II CNC MIRROR EDM



精確、簡單的觸控系統 Graphic Conversation Programming



Powerful Functions, User-friendly HMI Control

- User-friendly operation interface is self-developed by a highly experienced R&D team to fully meet customer's requirement.
- Industrial Pentium grade IPC computer features high speed and maximum system stability.
- Innovative window-based touch-sensitive screen features user-friendly operation, and is easy to learn and operate.
- Graphically conversational program editing is easily made by means of simple graphs. The operator does not need to edit G or M code and memorize any command for maximum operational convenience.
- Instant alarm and self-diagnostic function permits the screen to automatically display probable causes and trouble-shooting guide.
- Powerful functions include reference point search, automatic edge search, hole center search, top point search, rapid positioning and multi-coordinate etc.
- Screen protection function.

All New Digitized Machining Power Circuit

- The expert modular parameter setting design is a result of extensive experience in actual machining. Any unskilled operator can thoroughly understand the complete functions of the control system shortly.
- The discharge gap monitoring system controls short circuit and abnormal discharge, which assures an outstanding machining condition. It provides automatic control for the entire machining process, and achieves optional and unmanned operation.
- Features included are dwell time extending protection, big short circuit protection, high voltage assistance, big surface fine finishing and slop-controlled low wear etc. The FP special discharge circuit minimized abnormal electrode wear caused by chips and poor surface roughness. It also upgrades fine machining quality while reducing polishing time.
- All new GP power system provides multiple selections, making it ideal for big surface machining, deep hole machining, rapid multi-step servo feed and braking distance control. All these guarantee superior machining performance.

Outstanding Structure

- The machine structure is analyzed by pressure-resistance, tension-resistance and reaction force, ensuring lifetime accuracy and excellent thermal balance.
- The structural parts of the machine are manufactured from extra rigid Meehanite castiron, seasoning treated. Bed is rib reinforced, featuring heavy loading capability, maximum durability and consistent accuracy at all times.
- Three axes are equipped with high precision ball screws combined with the use of special bearings, pretension to eliminate backlash. It also features superior dampening capability without clearance.
- Table surface is hardened by high frequency heat treatment and precision ground for maximum wear resistance, while ensuring high machining accuracy and long service life.
- Intelligent, high efficiency servo system combined with close-loop control by linear scale positioning on 3 axes assure stable and dependable positioning accuracy at all times.
- Comprehensive safety guards include auto power off detected by infrared ray, alarm, anti-fire system, fluid level control and electrode anti-bumping, etc.
- Three-step feed rate selection on three axes provide x 1, x 10 and x 100. Upon request, handwheel control is available for increased convenience of operation.

Acro 超微米機械股份有限公司
ACRO MACHINERY & ELECTRIC CO.,LTD.
台灣：台中市潭子區民族路一段326-2號
TEL：+886-4-25358868
FAX：+886-4-25359238
http://www.acro-zeiger.com.tw
E-mail：info@acro-zeiger.com.tw

Zeiger 東莞市超銳機械有限公司
GENTECH PRECISION MACHINERY CO., LTD.
地址：東莞市大嶺山鎮
TEL:86-769-81602538
FAX:86-769-81662328
http://www.acro-zeiger.com.tw

Acro EDM
超微米機械股份有限公司
ACRO MACHINERY & ELECTRIC CO., LTD



Acro Self Developed Control
Innovative Windows Based
Touch-Sensing Screen



S-430



S-500



S-540



S-650



S-860



S-1060



S-1270

The Cutting Edge is ACRO
A Tremendous EDM Value at
Powerful Savings Designed
for Extending your Competitive
Edge

YOUR BEST CHOICE

ACRO STAR II CNC MIRROR EDM

CNC-A850



CNC-A1680D



◆ 機械規格 MACHINE SPECIFICATIONS

項目 ITEM	機型 MODEL	S-430	S-500	S-540	S-650	S-860	S-1060	S-1270
工作油槽、內槽 Work tank dimensions (L*W*H)	mm	1100x600x400	770x1100x360	1300x700x1460	1600x995x520	1700x1050x700	2100x1100x550	2150x1150x700
工作台面積 Table area (X*Y)	mm	700x350	600x400	800x450	1000x600	1100x700	1100x700	1400x900
X、Y 軸行程 X,Y axis travel	mm	400x300	500x400	500x400	600x500	800x600	1000x600	1200x700
W軸行程 W axis travel	mm	250	-	280	380	-	-	-
Z軸行程 Z axis travel	mm	200	300	200	300	450	400	450
電極板端面至工作台距離 Distance from electrode plate to table	mm	640	530	670	960	950	950	1100
電極最大載重 Max. electrode weight	kgs	80	150	120	180	400	400	400
最大工件載重 Max. workpiece weight	kgs	400	500	550	800	3000	4000	4500
外型尺寸 Machine dimensions (L*W*H)	mm	1530x1270x2070	1200x1530x1850	1735x1390x2280	2000x1850x2450	2500x1900x2880	2200x2700x2700	2500x2500x3040
包裝尺寸 Packing dimensions (L*W*H)	mm	1660x1400x2230	1360x1670x2100	1850x1500x2400	2100x1970x2560	2610x2280x3190	2580x2250x3100	3850x2655x3220
淨重 Net weight	kgs	1350	2350	1850	3500	5400	4800	6300

◆ 過濾箱規格 FLUID TANK SPECIFICATIONS

項目 ITEM	機型 MODEL	S-430	S-500	S-540	S-650	S-860	S-1060	S-1270
過濾油槽容積 Fluid tank capacity	ℓ	400L	580L	650L	1030L	1000L	1560L	2000L
過濾網數量 No. of filter	pcs	2	2	2	4	6	4	6
外型尺寸 Outside dimensions (L*W*H)	mm	1100x900x450	Build-In	1300x1050x480	1800x1280x450	3000x1300x420	2400x1300x500	2760x1840x1000
包裝尺寸 Packing dimensions (L*W*H)	mm	1220x1090x800	Build-In	1400x1140x1130	1940x1340x1070	1550x2515x970	2580x1550x1250	2700x1250x1660
淨重 Net weight	kgs	100	Build-In	120	220	300	320	750

★ 本公司保有變更設計之權利，以上規格如有更改恕不另行通知 ★ All specifications are subject to change with out prior notice.

◆ 電器箱規格 SPECIFICATION OF POWER SUPPLY

項目 ITEM	機型 MODEL	S-430	S-500	S-540	S-650	S-860	S-1060	S-1270
最大輸出電源 Max. Output Power	A	60	90	100				
輸入電源 Input Voltage	V	220/380/415/440	220/380/415/440	220/380/415/440				
最快加工速度 Max. Cutting Speed	mm ³ /min	400	480	550				
電源總容量 Input Power	Kva	7	10	15				
最細表面粗度 Best Surface Finish Ra	μm	Ra 0.2	Ra 0.2	Ra 0.2				
最低電極消耗比 Min-Electrode Wear Rate	%	<0.2	<0.2	<0.2				
外型尺寸 Outside Dimensions (L*W*H)	mm	770x750x1780	770x750x1780	900x750x1780				
包裝尺寸 Packing Dimensions (L*W*H)	mm	970x910x2000	970x910x2000	1100x910x2000				
重量 Gross Weight	kgs	250	260	300				

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◆ 配件 ACCESSORIES

項目 ITEM	機型 MODEL	數量
標準配件 Standard Accessories	濾油網 Filter	2pcs
	工具箱及工作夾具 Tool Box & Kits	1set
	噴油磁性座 Nozzles	2pcs
	電極座 Electrode Holder	1pc
	自動滅火器 Auto Fire Extinguisher	1set
	工作燈 Halogen Lamp	1pc
選購配件 Optional Accessories	搖動電極頭 Orbit Cut	
	冷卻器 EDM Oil Cooling System	
	永久磁盤 Magnetic Chuck	
	穩壓器 Automatic Voltage Regulator	
電極夾具 Electrode Chuck		

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項目 ITEM	機型 MODEL	UNIT	A320	A435	A540	A850	A1680D
Work Table Dimension (L×W)	mm		600x400	700x400	850x450	1000x600	1700x1000
Work Tank Dimension(L×W×H)	mm		900x630x390	1020x670x390	1370x720x450	1650x1100x600	2500x1500x650
X, Y, Z Axis Travel	mm		300x210x270	450x350x300	500x400x300	800x500x400	1100x800x500
Max. Electrode Weight	kgs		25	50	80	160	200
Max. Workpiece Weight	kgs		250	400	1500	4000	6000
Positioning Accuracy (JIS)	μm		5 μm/100mm	5 μm/100mm	5 μm/100mm	5 μm/100mm	5 μm/100mm
Repeat Accuracy (JIS)	μm		2	2	2	2	2
Oil Tank Capacity	L		400	480	500	600	1000
External Dimension (L×W×H)	mm		1200x1450x2250	1380x1600x2280	2500x2500x2600	3000x3000x2800	3900x3800x3750
Net Weight	kgs		2000	2300	3200	4500	12000
Max. Output Power	A		50	50	50	50	50/100
Input Voltage	V		220/380/415	220/380/415	220/380/415	220/380/415	220/380/415
Input Power	kva		9	9	9	9	9/13
Best Fine Finish	μm		Ra.01	Ra.01	Ra.01	Ra.02	Ra.02
Min. Electrode Wear Rate	%		0.1	0.1	0.1	0.1	0.1
Max. Machining Speed	mm ³ /min		400	400	400	500	500/800

NOTE : Machine specifications and design characteristics are subject to change without prior.
註：本公司隨時進行研究改善工作，因此保有隨時更改設計規格之權利，恕不另行通知。