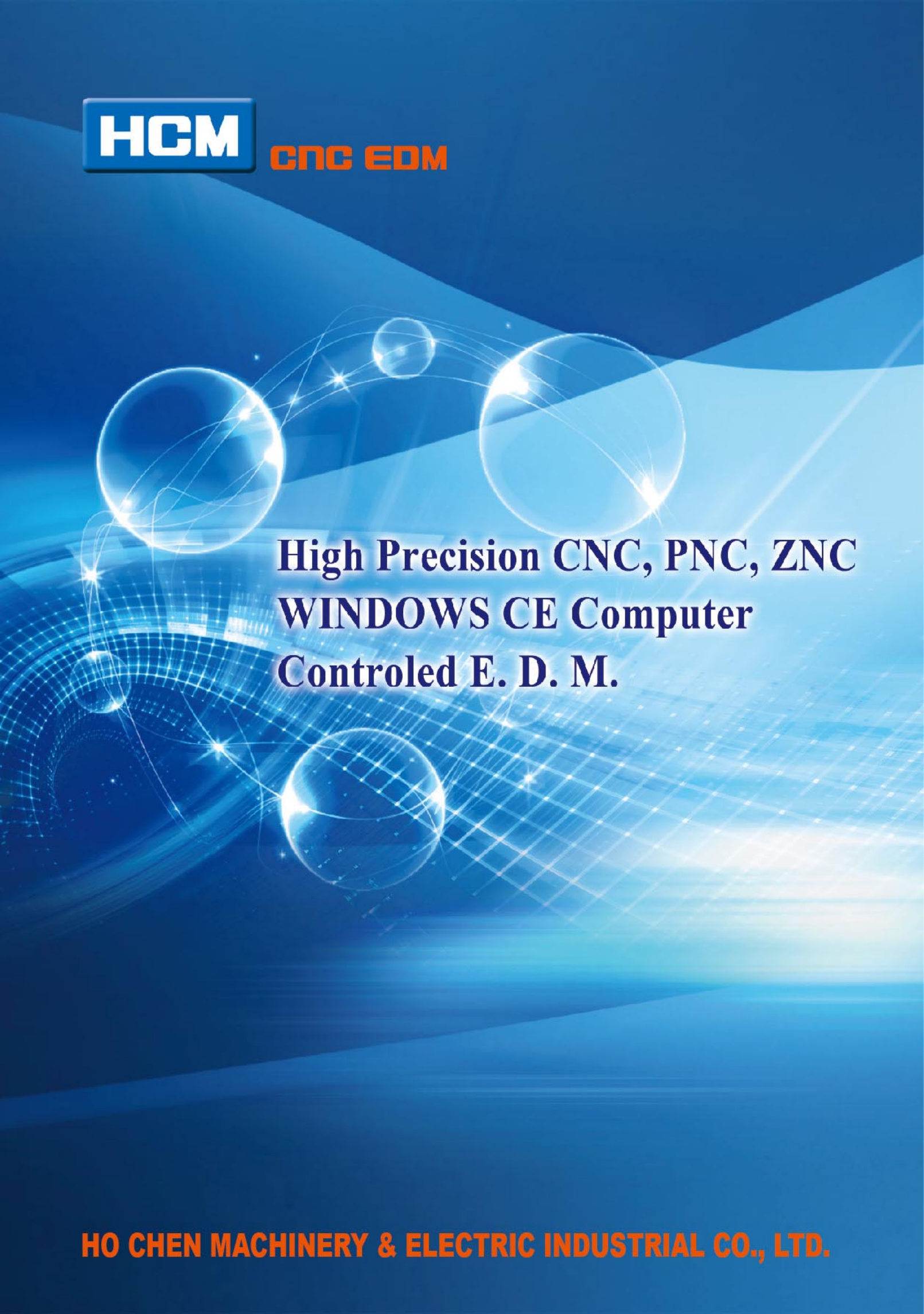


The background of the entire page is a vibrant blue with abstract, flowing lines and several glowing, translucent spheres connected by thin, white, curved lines, suggesting a network or data flow. The HCM logo is positioned in the top left corner.

HCM

CNC EDM

**High Precision CNC, PNC, ZNC
WINDOWS CE Computer
Controlled E. D. M.**

HO CHEN MACHINERY & ELECTRIC INDUSTRIAL CO., LTD.

Company profile

Ho Chen Machinery was founded in 2004, we specialize in manufacturing CNC sinker EDM and EDM drilling machine. With our strong develop team, Ho Chen constantly publish new products and has been selling to over 30 different countries with brand name HCM. We have been innovating and demanding quality, thus our product has over 60 models. HCM designed our own 3D WINDOWS CE control system with dialog window control. We can 3D process at any angle, coupled with 4th or 5th axis system and various ATC system, we are the first and best in Taiwan EDM field.

3D CNC WINDOWS CE Controller Features

- > Windows CE controller
- > A dialog window with picture description.
- > Special repaired frames to quicken maintenance.
- > Close-loop design of digital feedback on three axes of the machine significantly increases positioning precision and ORBIT-CUT machining accuracy and efficiency.
- > Simple operation interface.
- > Common function keys are located on the operational panel for direct use.
- > Hot key setting.
- > ATC (automatic tool change) and C-axis 360° index can be installed; the process of coarse machining to ultra-fine machining can be completed at one time.
- > Dialogue diagram provides various hole-expanding modes such as quick search of edge, centers and base reference.
- > Rich color graphic (the same resolution as a PC screen).

HCM has mastered in different special specs, as for the software we have Chinese(simplified and traditional), English, Korean, Russian, HCM research team can grasp the key technique by ourselves to satisfy customer's need. Under our development we have invented over 60 different models. The largest one has X axis 3200mm Y axis 1300mm Z axis 1000mm travel. The work table 3100x1600x1250mm, maximum work piece 4100x2050x1250mm. This model is currently the largest ever manufactured in Taiwan.

- > Automatic multi-stage machining (coarse, medium coarse, medium fine, fine, superfine)-up to 10 stages.
- > Unlimited number of machining conditions can be saved as machining archives. Each set of machining conditions can be edited, modified or stored. They are easy to edit and easy to find.
- > Automatic origin search and multi-point coordinate memory capability.
- > 1/2 design capability, ARC automatic discharge waveform detection and automatic adjustment.
- > Automatic center position detection, automatic compensation, search of hole center and deepest point; fixed hole machining (cyclic mode, independent mode), which is suitable for different machining conditions; Radial, circular, square, linear (vector), coning, 45° hole-expanding machining.
- > Three-axis beeline, two-axis arc, three-axis helix.

Therefore HCM can provide the widest choice for customer's need. From software to machine body, from raw material to process, assemble, quality control, delivery, customer service we address with strict demand to ensure long term operation in customer end user. In addition HCM has obtained CE certificate for the customer requirement.

HCM aim to satisfy customer, it's our goal. Researching is the foundation of our company, we will keep studying the new skill of EDM to assist customer need. It's our duty and accomplishment.

- > Chinese / English / korean / Russian versions interface, metric/British system switch and Z-axis quick up, quick down, slow up and slow down capability.
 - > Lateral machining, three axes, six directions (plane rotation).
 - > All alarms describe the source, date and exact time of problem occurrence.
 - > Optical scale is applied for close-loop position control, enabling extreme position for machining.
 - > Automatic editing-settings can be done according to the type of material, work piece size, machining depth, one side die clearance and final current and rate of electrode wear.
 - > CNC models possess conventional capability of consistent level of energy discharge, achieving stable and rapid machining and smooth high quality on machining surface while the rate of electrode wear is still low.
- Monitor page to indicate machining path and orbital pattern in use.

C TYPE CNC EDM

Electrical Discharge Machine



H3025S / H4030S / H5040S
Integrated machine base



H3025C / H4030C / H5040C
3 in 1 (Suspender type)
Precision CNC EDM



H4030 / H5040



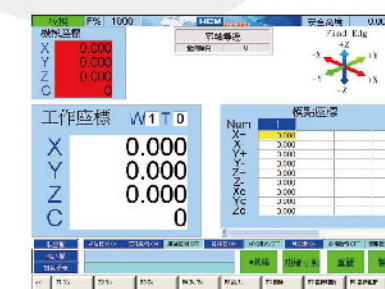
H7055



The program provides various orbit settings with 2D & 3D graphics, unlimited positions and coordinates to use. The multi-positions be written by circular matrix (used together with C-axis) or square matrix. The access of all data can be accomplished at a time along with tool number and C-axis angle.



The "RUN" page displays all discharge parameters, displacement data, machining hole positions, coordinates and C-axis functions. It saves time and provides maximum convenience of operation.



Mold setup display has various capabilities including home position return, search of edge, internal hole-center search, external hole-center search, auto displacement, top point setting, top point search and coordinate conversion. Unlimited set of mold setup data can be saved.

RAM TYPE CNC EDM

Electrical Discharge Machine



Operation interface is in dialogue mode. It is stable, and is very easy to learn.



HC5040 / HC6045



Automatic tool changer 12/16/20 for Ram type machine. (Option)



Remote Control box with M.P.G. CNC model standard accessory



Erowa C-axis (Option)



3R C-axis (Option)

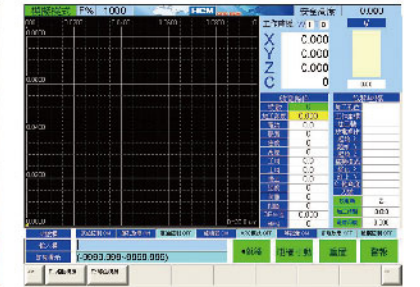


HC7050 / HC8060 / HC1060 / HC1270

NO.	PARAMETER	VALUE
0001	放电间隙 (Discharge Gap)	0.01
0002	放电速度 (Discharge Speed)	1.0
0003	放电电流 (Discharge Current)	1.0
0004	放电电压 (Discharge Voltage)	1.0
0005	放电时间 (Discharge Time)	1.0
0006	放电次数 (Discharge Count)	1.0
0007	放电模式 (Discharge Mode)	1.0
0008	放电精度 (Discharge Precision)	1.0
0009	放电温度 (Discharge Temperature)	1.0
0010	放电压力 (Discharge Pressure)	1.0
0011	放电湿度 (Discharge Humidity)	1.0
0012	放电噪音 (Discharge Noise)	1.0
0013	放电振动 (Discharge Vibration)	1.0
0014	放电安全 (Discharge Safety)	1.0
0015	放电报警 (Discharge Alarm)	1.0
0016	放电故障 (Discharge Fault)	1.0
0017	放电维护 (Discharge Maintenance)	1.0
0018	放电记录 (Discharge Record)	1.0
0019	放电数据 (Discharge Data)	1.0
0020	放电设置 (Discharge Setting)	1.0

PARAMETER SETTING

This feature provides compensation and backlash setting, enabling the machine to achieve the best condition.



The monitor page shows all discharge machining path. This feature can also conduct continuous simulated discharge coordinate or single simulated discharge coordinate. Discharge parameters (can be modified during discharging) or multi-position data are completely shown on this display.



HC1470S / HC1470 / HC1670S
HC1685 / HC1870S

NO.	ALARM	CAUSE	TIME	DATE
0001	放电间隙报警 (Discharge Gap Alarm)	放电间隙过大 (Discharge Gap Too Large)	2010.01.01	10:00:00
0002	放电速度报警 (Discharge Speed Alarm)	放电速度过快 (Discharge Speed Too Fast)	2010.01.01	10:00:00
0003	放电电流报警 (Discharge Current Alarm)	放电电流过大 (Discharge Current Too Large)	2010.01.01	10:00:00
0004	放电电压报警 (Discharge Voltage Alarm)	放电电压过大 (Discharge Voltage Too Large)	2010.01.01	10:00:00
0005	放电时间报警 (Discharge Time Alarm)	放电时间过长 (Discharge Time Too Long)	2010.01.01	10:00:00
0006	放电次数报警 (Discharge Count Alarm)	放电次数过多 (Discharge Count Too High)	2010.01.01	10:00:00
0007	放电模式报警 (Discharge Mode Alarm)	放电模式错误 (Discharge Mode Error)	2010.01.01	10:00:00
0008	放电精度报警 (Discharge Precision Alarm)	放电精度不足 (Discharge Precision Too Low)	2010.01.01	10:00:00
0009	放电温度报警 (Discharge Temperature Alarm)	放电温度过高 (Discharge Temperature Too High)	2010.01.01	10:00:00
0010	放电压力报警 (Discharge Pressure Alarm)	放电压力过大 (Discharge Pressure Too High)	2010.01.01	10:00:00
0011	放电湿度报警 (Discharge Humidity Alarm)	放电湿度过大 (Discharge Humidity Too High)	2010.01.01	10:00:00
0012	放电噪音报警 (Discharge Noise Alarm)	放电噪音过大 (Discharge Noise Too High)	2010.01.01	10:00:00
0013	放电振动报警 (Discharge Vibration Alarm)	放电振动过大 (Discharge Vibration Too High)	2010.01.01	10:00:00
0014	放电安全报警 (Discharge Safety Alarm)	放电安全故障 (Discharge Safety Fault)	2010.01.01	10:00:00
0015	放电报警 (Discharge Alarm)	放电报警 (Discharge Alarm)	2010.01.01	10:00:00
0016	放电故障 (Discharge Fault)	放电故障 (Discharge Fault)	2010.01.01	10:00:00
0017	放电维护 (Discharge Maintenance)	放电维护 (Discharge Maintenance)	2010.01.01	10:00:00
0018	放电记录 (Discharge Record)	放电记录 (Discharge Record)	2010.01.01	10:00:00
0019	放电数据 (Discharge Data)	放电数据 (Discharge Data)	2010.01.01	10:00:00
0020	放电设置 (Discharge Setting)	放电设置 (Discharge Setting)	2010.01.01	10:00:00

The alarm page shows all current and history alarms with alarm causes, time and dates. Records of alarm can be stored in USB disk.



HC2085 / HC2685 / HC3010

CNC EDM

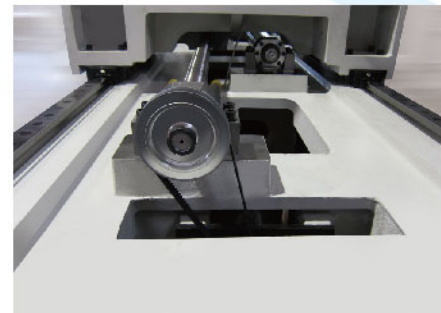
Double Ram Electrical Discharge Machine

PNC EDM

Electrical Discharge Machine



Enlarge the cast structure, achieves the high precision and accuracy.



Adopt Linear guid way with high rigidity and precision and high precise ball screws.



2HC1685 / 2HC1885 / 2HC2085 /
2HC3010 / 2HC3010B / 2HC3013

PNC WINDOWS CE Controller Features

- > Windows CE controller.
- > A dialog window with picture description.
- > Special repaired frames to quicken maintenance.
- > Close-loop design of digital feedback on three axes of the machine significantly increases positioning precision and machining accuracy and efficiency.
- > Simple operation interface.
- > Common function keys are located on the operational panel for direct use.
- > Hot key setting.
- > The process of coarse machining to ultra-fine machining can be completed at one time.
- > Dialogue diagram provides modes

- such as quick search of edge, centers and base reference.
- > Rich color graphic (the same resolution as a PC screen).
- > Automatic multi-stage machining (coarse, medium coarse, medium fine, fine, superfine)-up to 10 stages.
- > Unlimited number of machining conditions can be saved as machining archives. Each set of machining conditions can be edited, modified or stored. They are easy to edit and easy to find.
- > Automatic origin search and multi-point coordinate memory capability.
- > 1/2 design capability, ARC automatic discharge waveform detection and automatic adjustment.
- > Chinese / English versions interface, metric / British system switch and Z-axis quick up,

- quick down, slow up and slow down capability.
- > Lateral machining, three axes, six directions (plane rotation).
- > All alarms describe the source, date and exact time of problem occurrence.
- > Optical scale is applied for close-loop position control, enabling extreme position for machining.
- > Automatic editing-settings can be done according to the type of material, work piece size, machining depth, one side die clearance and final current and rate of electrode wear.
- > PNC models possess conventional capability of consistent level of energy discharge, achieving stable and rapid machining and smooth high quality on machining surface while the rate of electrode wear is still low.



H3025S



H4030 / H5040

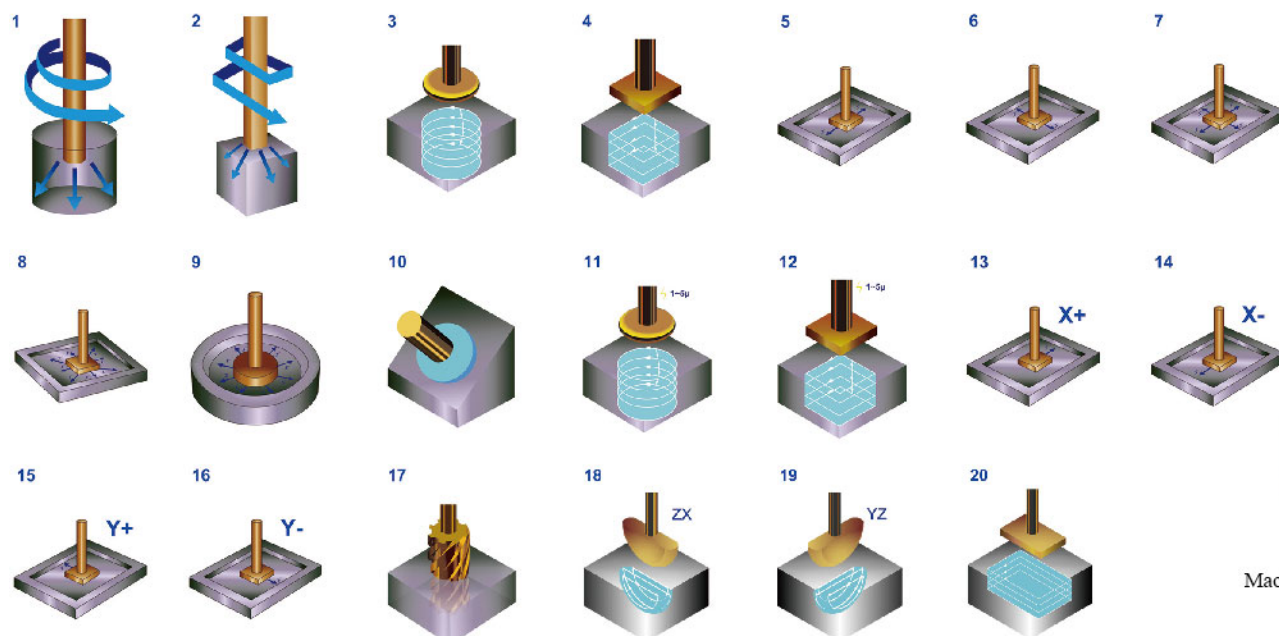


H4030S / H5040S
Integrated machine base



H7055

2D、3D Orbital pattern



Machining Sample by OB10

C axis (Option)

ZNC EDM

Electrical Discharge Machine

DZNC PROGRAMMABLE DEEP HOLE DRILLING MACHINE

The Main Features of ZNC-EDM

- > Windows CE controller.
- > Machining condition can be produced automatically according to electrode material, electrode size and machining depth.
- > A newly designed power supply system-two step serve feed can be chosen according for achieving superior machining and discharge consistency for wide area and deep-hole machining.
- > The computer automatically switches machining parameters and controls fineness (from coarse to ultra-fine) of Z-axis machining, saving time and human resources.
- > Fully automatic anti-fire system, anti-carbon deposit and oil level control system keep the machine safe.
- > Machining is rapid with copper, graphite and tungsten circuit.
- > The micro-computer digitally monitors anti-carbon deposit system. While the electrical discharge is poor, the computer switches T-off and eliminates residue immediately.
- > Manual positioning and auto center-point indication.
- > Input through dialog windows. It's easy to understand and operate.
- > Optical scales on three axes.
- > 1/2 adjustment capability and direct setting of Die coordinate value.



H4030 / H5040



H3025S / H4030S / H5040S



H3025C / H4030C / H5040C



Operation interface is in dialogue mode. It is stable, and is very easy to learn.



FEATURES

- > Oscillation output is controlled by a micro-computer, achieving accurate fine machining at high speed.
- > The operator only needs to input the working current. The other working parameters will be generated automatically.
- > The working fluid is water--pollution free.
- > Machining parameter can be altered during machining.
- > Machining at high speed or at a low rate of electrode wear can be chosen according to specific needs.
- > It's ideal for machining on hard alloy and various type of surface like spherical, curved and inclined.
- > The machine is capable of retaining data in case of a power outage. All machining data and position values are stored automatically when a power failure occurs.
- > In case of power outage, this machine prevents data loss for up to ten years.
- > The controller allows machining depth setting.

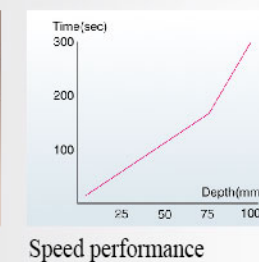
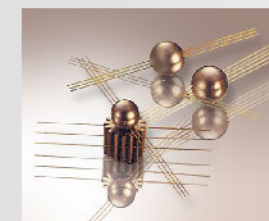
With tilting head±45°(optional)



DZNC S3025 / S4030 / S5040



DZNC S2520



An intelligent programmable deep hole drilling machine is designed to meet various machining requirements. Simply input the machining current alone allows other machining parameters to be set automatically. This machine is easy to operate and will give you the high quality machining you've been looking for.

ITEM / MODEL	UNIT	DZNC S2520	DZNC S3025	DZNC S4030	DZNC S5040
X, Y axis travel	mm	250 x 200	300 x 250	400 x 300	500 x 400
Z axis travel	mm	350	350	350	350
W axis travel	mm	0	200	200	200
Work table	mm	450 x 210	600 x 300	650 x 400	800 x 450
Max. work piece	mm	630 x 430 x 300	850 x 530 x 300	1000 x 600 x 300	1200 x 700 x 300
Max. work piece weight	kg	500	800	1000	1000
Distance from table to guide plate	mm	0~190	0~350	0~350	0~350
Machine net weight		600	1000	1520	1600
Electrode diameter	mm	0.2~3.0	0.2~3.0	0.2~3.0	0.2~3.0
Working fluid system					
Working fluid type		Pure water	Pure water	Pure water	Pure water
Working fluid tank capacity	ℓ	20	20	20	20
Filtration		Paper filter	Paper filter	Paper filter	Paper filter

Standard accessories

Filter.....1 Pcs
 Tool box.....1 Pcs
 Electrode guide ϕ 1.0mm.....1 Pcs
 Tube electrode ϕ 1.0mm.....10 Pcs
 Chuck
 X.Y axis scale
 Halogen work lamp
 Leveling pad
 Z axis encoder
 High-precision X.Y.Z ballscrew

Optional accessories

Electrode guide
 Copper tube electrode
 ER Collet chuck for electrodes up to ϕ 6.00mm
 Stainless steel tank
 Submerged sink and work tank
 Tilting head spindle

SPECIFICATIONS

Electrical Discharge Machine

CNC/PNC/ZNC Series

C TYPE

ITEM \ MODEL	Unit	H3025S	H3025C	H4030	H4030S	H4030C	H5040	H5040S	H5040C	H7055
X axis travel	mm(inch)	300(12")	300(12")	400(16")	400(16")	400(16")	500(20")	500(20")	500(20")	700(28")
Y axis travel	mm(inch)	250(10")	250(10")	300(12")	300(12")	300(12")	400(16")	400(16")	400(16")	550(22")
Z axis single ram travel (CNC)	mm (inch)			350(14")	350(14")	350(14")	400(16")	400(16")	400(16")	
Z axis travel (CNC/PNC/ZNC)	mm (inch)	150(6")	150(6")	185(7")	185(7")	185(7")	185(7")	185(7")	185(7")	250(10")
U axis travel (CNC/PNC/ZNC)	mm (inch)	200(8")	200(8")	250(10")	250(10")	250(10")	300(12")	300(12")	300(12")	400(16")
Work table	mm (inch)	600x300 (24"x12")	600x300 (24"x12")	650x400 (26"x16")	650x400 (26"x16")	650x400 (26"x16")	800x450 (31"x18")	800x450 (31"x18")	800x450 (31"x18")	1200x550 (47"x22")
Max. work piece	mm (inch)	800x450x280 (31"x18"x11")	800x450x280 (31"x18"x11")	1000x550x360 (39"x22"x14")	1000x550x360 (39"x22"x14")	1000x550x360 (39"x22"x14")	1250x650x390 (49"x26"x15")	1250x650x390 (49"x26"x15")	1250x650x390 (49"x26"x15")	1700x1000x550 (67"x39"x22")
Max. work piece weight	kgs	800	800	1100	1100	1100	1400	1400	1400	2200
Max. electrode weight	kgs	100	100	130	130	130	185	185	185	200
Machine net weight	kgs	1100	1100	1500	1900	1900	1800	2100	2100	3150
Oil level		110~250 (4"~10")	110~250 (4"~10")	110~300 (4"~12")	110~300 (4"~12")	110~300 (4"~12")	110~360 (4"~14")	110~360 (4"~14")	110~360 (4"~14")	110~530 (4"~21")
Occupancy area (LxWxH)	mm (inch)	S2430x1770x2250 (96"x70"x89") C1833x1770x2250 (72"x70"x89")	S2430x1770x2250 (96"x70"x89") C1833x1770x2250 (72"x70"x89")	3115x1960x2250 (123"x77"x89")	S2692x2083x2260 (106"x82"x89") C2315x2238x2250 (91"x88"x89")	S2692x2083x2260 (106"x82"x89") C2315x2238x2250 (91"x88"x89")	3261x1997x2280 (128"x79"x90")	S2864x2205x2385 (113"x87"x94") C2340x2320x2500 (92"x91"x98")	S2864x2205x2385 (113"x87"x94") C2340x2320x2500 (92"x91"x98")	3641x2558x2540 (143"x101"x100")
Table to electrode plate (CNC)	mm (inch)			180~530 (7"~21")	180~530 (7"~21")	180~530 (7"~21")	230~630 (9"~25")	230~630 (9"~25")	230~630 (9"~25")	250~800 (10"~31")
Table to electrode plate with UZ axis	mm (inch)	155~505 (6"~20")	155~505 (6"~20")	180~615 (7"~24")	180~615 (7"~24")	180~615 (7"~24")	230~715 (9"~28")	230~715 (9"~28")	230~715 (9"~28")	250~800 (10"~31")
Filter		1	1	1	1	1	1	1	1	2
Paper filter		2	2	2	2	2	2	2	2	4
Capacity	ℓ	350	350	450	450	450	500	550	550	1150

POWER SUPPLY SPECIFICATIONS

POWER SUPPLY	Unit	E30	E50	E75	E100	E150	E200
Max. Machining current		30A	50A	75A	100A	150A	200A
Metal removal rate	(mm ³ /min)	250	400	600	850	1250	1600
Power input		3 KVA	4.5 KVA	6.5 KVA	8 KVA	16 KVA	22 KVA
Min. Electrode ware		0.20%	0.20%	0.20%	0.20%	0.20%	0.20%
Best surface finishing	Ra	0.25	0.25	0.25	0.25	0.25	0.25
N.W.	kgs	200	200	300	330	450	480
Packing size (LxWxH)	mm	620x740x1820	620x740x1820	620x740x1820	620x890x2000	620x1140x2000	620x1140x2000

E.D.M Standard accessories	CNC C TYPE	CNC RAM TYPE	PNC	ZNC
X, Y, Z axis Fagor optical scale 1μ	※	※	※	※
X, Y, Z axis AC servo motor	※	※	※	
Z axis AC servo motor				※
15" LCD screen	※	※	※	※
Alcohol fire extinguisher	※	※	※	※
Halogen work lamp	※	※	※	※
Clamping plate	※	※	※	※
Leveling pad	※	※	※	※
Flushing unit	※	※	※	※
Patent electrode chuck	※	※	※	※
Oil filter	※	※	※	※
Drill chuck	※	※	※	※
Tool box	※	※	※	※
Remoto controller box (with M.P.G.)	※	※		
Remoto controller box			※	※

E.D.M Optional accessories	CNC	CNC RAM TYPE	PNC	ZNC
3R/ EROWA ATC tool changer 4/6/12/16/20T		※		
3R/ EROWA ATC tool changer 4/6T	※	※		
3R/ EROWA C axis	※	※		
3R/ EROWA manual chuck	※	※	※	※
3R/ EROWA connection plate/ chuck	※	※	※	※
Oil chiller	※	※	※	※
Permanent magnetic chuck	※	※	※	※
Extra hard workpiece machining circuit	※	※	※	※

RAM TYPE

ITEM \ MODEL	HC5040	HC6045	HC7050	HC8060	HC1060	HC1270	HC1470S	HC1470	HC1670S	HC1685	HC1870S	HC1885
X axis single ram travel	500(20")	600(24")	700(28")	800(31")	1000(39")	1200(47")	1400(55")	1400(55")	1600(63")	1600(63")	1800(71")	1800(71")
X axis double ram travel (single movement/Double movement)												
Y axis travel	400(16")	450(18")	500(20")	600(24")	600(24")	700(28")	700(28")	700(28")	850(33")	850(33")	700(28")	850(33")
Z axis travel	350(14")	400(16")	400(16")	500(20")	500(20")	500(20")	500(20")	600(24")	500(20")	600(24")	500(20")	600(24")
Work table	900x500 (35"x20")	900x500 (35"x20")	1000x600 (39"x24")	1200x700 (47"x28")	1250x750 (49"x29")	1400x850 (55"x33")	1850x850 (73"x33")	1850x1100 (73"x43")	1850x850 (73"x33")	1850x1100 (73"x43")	1850x850 (73"x33")	2000x1100 (79"x43")
Max. work piece	1300x870x520 (51"x34"x20")	1500x970x520 (59"x38"x20")	1700x1100x600 (67"x43"x24")	1800x1150x600 (71"x45"x24")	2000x1150x625 (79"x43"x25")	2240x1300x625 (88"x51"x25")	2300x1400x700 (91"x55"x28")	2420x1550x800 (95"x61"x31")	2600x1400x700 (102"x55"x28")	2600x1700x800 (102"x67"x31")	2800x1400x700 (110"x55"x28")	2850x1700x800 (112"x67"x31")
Max. work piece weight	2500kgs	3000kgs	3000kgs	4000kgs	4500kgs	5000kgs	5500kgs	6300kgs	5600kgs	6500kgs	5800kgs	6800kgs
Max. electrode weight	200kgs	250kgs	350kgs	350kgs	350kgs	400kgs	400kgs	500kgs	400kgs	500kgs	400kgs	500kgs
Machine net weight	3520kgs	3900kgs	4800kgs	5100kgs	5700kgs	6600kgs	7200kgs	8800kgs	7400kgs	9000kgs	7600kgs	9400kgs
Oil level	110~450 (4"~18")	110~450 (4"~18")	110~450 (4"~18")	110~450 (4"~18")	110~450 (4"~18")	110~450 (4"~18")	110~550 (4"~22")	110~650 (4"~26")	110~550 (4"~22")	110~650 (4"~26")	110~550 (4"~22")	110~650 (4"~26")
Occupancy area (LxWxH)	2870x3750x2670 (113"x148"x105")	3100x3780x2670 (122"x149"x105")	3570x3920x2780 (141"x154"x109")	3930x3980x2880 (155"x157"x113")	4010x4050x2880 (158"x159"x113")	4380x4330x2920 (172"x170"x115")	4460x4320x3090 (176"x170"x122")	4550x5250x3830 (179"x207"x151")	4700x4320x3090 (185"x170"x122")	4650x5350x3830 (183"x211"x151")	4680x4440x3090 (184"x175"x122")	5000x5300x3830 (197"x209"x151")
Table to electrode plate	400~750 (16"~30")	400~800 (16"~32")	490~890 (19"~35")	430~930 (17"~37")	430~930 (17"~37")	510~1010 (20"~40")	560~1060 (22"~42")	800~1400 (31"~55")	560~1060 (22"~42")	800~1400 (31"~55")	560~1060 (22"~42")	800~1400 (31"~55")
Filter	2	2	2	2	2	2	2	2	2	2	2	2
Paper filter	4	4	4	4	4	4	4	4	4	4	4	4
Capacity	780 ℓ	1000 ℓ	1500 ℓ	1650 ℓ	1900 ℓ	2350 ℓ	2900 ℓ	3890 ℓ	3200 ℓ	4500 ℓ	3400 ℓ	4900 ℓ

ITEM \ MODEL	HC2085	HC2685	HC3010	2HC1470S	2HC1685	2HC1885	2HC2085	2HC2610	2HC3010	2HC3010B	2HC3013
X axis single ram travel	2000(79")	2500(98")	3000(118")								
X axis double ram travel (single movement/Double movement)				1125/560 (44"/22")	900/450 (35"/18")	1100/550 (43"/22")	1800/900 (71"/35")	2200/1100 (87"/44")	2550(100")	2550(100")	2550(100")
Y axis travel	850(33") 1000(39")	850(33") 1000(39")	850(33") 1000(39")	700(28")	850(33") 1000(39")	850(33") 1000(39")	850(33") 1000(39")	850(33") 1000(39")	850(33") 1000(39")	1300(51")	1300(51")
Z axis travel	600(24")	600(24")	600(24")	500(20")	600(24")	600(24")	600(24")	600(24")	600(24")	600(24") 1000(39")	600(24") 1000(39")
Work table	2000x1100 (79"x43")	2450x1100 (96"x43")	3100x1100 (122"x43")	1850x850 (73"x33")	1850x1100 (73"x43")	2000x1100 (79"x43")	2450x1100 (96"x43")	2700x1100 (106"x43")	3100x1100 (122"x43")	3100x1200 (122"x47")	3100x1600 (122"x63")
Max. work piece	3100x1700x800 (122"x67"x31")	3500x1700x800 (138"x67"x31")	4100x1700x800 (161"x67"x31")	2800x1400x700 (110"x55"x28")	2600x1700x800 (102"x67"x31")	2850x1700x800 (112"x67"x31")	3500x1700x800 (138"x67"x31")	3800x1700x800 (150"x67"x31")	4100x1700x800 (161"x67"x31")	4100x1700x1000 (161"x67"x39")	4100x2050x1250 (161"x81"x49")
Max. work piece weight	8800kgs	10000kgs	16000kgs	5800kgs	6500kgs	6800kgs	10000kgs	12500kgs	16000kgs	19000kgs	22000kgs
Max. electrode weight	500kgs	500kgs	500kgs	400kgs	500kgs	500kgs	500kgs	500kgs	500kgs	500kgs	500kgs
Machine net weight	10000kgs	14000kgs	20000kgs	8350kgs	11600kgs	11800kgs	15800kgs	17200kgs	22600kgs	26570kgs	29410kgs
Oil level	110~650 (4"~26")	110~650 (4"~26")	110~650 (4"~26")	110~550 (4"~22")	110~650 (4"~26")	110~650 (4"~26")	110~650 (4"~26")	110~650 (4"~26")	110~650 (4"~26")	110~850 (4"~33")	110~1000 (4"~39")
Occupancy area (LxWxH)	5440x5390x3830 (214"x212"x151")	5850x5390x3830 (230"x212"x151")	6000x5130x3830 (236"x241"x151")	5430x4600x3090 (214"x181"x122")	5430x5550x3830 (214"x219"x151")	5840x5550x3830 (230"x219"x151")	6510x5760x3830 (256"x227"x151")	6320x6310x3830 (249"x248"x151")	6780x6300x3830 (267"x248"x151")	6540x6600x4230 (257"x260"x167")	6480x6600x4600 (255"x260"x181")
Table to electrode plate	800~1400 (31"~55")	800~1400 (31"~55")	800~1400 (31"~55")	560~1060 (22"~42")	800~1400 (31"~55")	800~1400 (31"~55")	800~1400 (31"~55")	800~1400 (31"~55")	800~1400 (31"~55")	995~1595 (39"~63")	600mm Z travel machine: 1155~1775(45"~70") 1000mm Z travel machine: 740~1740(29"~69")
Filter	2	2	2	4	4	4	4	4	4	4	4
Paper filter	4	4	4	8	8	8	8	8	8	8	8
Capacity	5300 ℓ	5970 ℓ	6900 ℓ	3400 ℓ	4700 ℓ	5100 ℓ	6100 ℓ	6700 ℓ	7300 ℓ	8800 ℓ	11300 ℓ



www.hcmedm.com.tw

Market Worldwide E.D.M.

Innovation value / Beyond the limits / Dreams come true

HCM

CNC EDM

HO CHEN MACHINERY & ELECTRIC INDUSTRIAL CO., LTD.

No.10, Aly. 186, Ln. 745, Sec. 1, Xinan Rd., Wuri Dist., Taichung City 414, Taiwan. (R.O.C.)

Tel:886-4-2335-7689 Fax:886-4-2335-2855 E-mail:hcmedm@gmail.com

<http://www.hcmedm.com.tw>