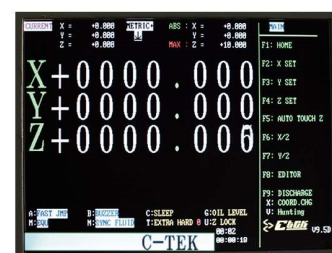


ZNC EDM Function Characteristic Introduction

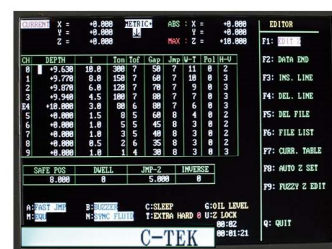
1. Provide more than 20,000 units document storage (Decided by the internal hard disk size) Namely more than 20,000 different mold processing conditions can be stored. Have multiple sets of MCS storage function..
 2. With super fine finished surface processing circuit, a true super fine finished effect can be achieved. Also, it is even better to use orbit processing and powder mixing processing.
 3. 10 segments auto editing function. (1) Manual edit: edit the machining condition by experience. (2) AUTOZ auto edit: max. Depths, initial current and finished procection, machining area selection are provided, and then machining condition edit can be finished automatically. (3) FUZZY Z Intelligent condition edit: electrode shape, electrode and work piece material, work piece section area and finished precision selection, depth setting area are provided, and then machining condition edit can be finished automatically. With either the three edit methods above, machining can be complete at a time by the way rough→moderate→fine..
 4. X.Y.Z axis coordinates are switch with metric and English system.
 5. X Y axis Lock function:Can prevent the continue processing wh en X Y move and the workpiece be damaged
 6. Z axis Lock function:Convenient discharge to revise mode and using with shaking (translation) apparatus
 7. In processing can modify processing period or presets processing period conditions
 8. Automatic arcing detection function :if arcing and processing not stable, computer will automatically adjust the parameters and increase deslagging height.till stability.
 9. It could set 2~10 times discharging for raised to the set arbitrary position to processing This could achieve good slagging off performance for deep hole machining.
 10. with the function of eliminating the secondary discharge
 11. With discharge seeking edge quickly pull-up function, Convenient and accurate to eyeballing the electrode (copper) have touched the workpiece
 12. With Power control (EQU) function for homogenizing the machining effect. And this function could be switched off to accelerating graphite electrode machining.
 13. With upward discharge processing function Make it easier for special processing
 14. With two independent processing coordinate system, Male die cavities and cores can be in different coordinate system points or processing
 15. Power off and then restart the system automatically load the last machining conditions and coordinates, Can not move any button panel but directly according to wire control box of discharge
 16. Two independent machining coordinates. In the case of keep the electrodes from tensile deformation, improve the efficiency of servo speed and large processing
 17. Coordinates and processing data storage function In the different processing can quickly join the same processing conditions
 18. With discharge time and boot time two timer function
 19. Two kinds of high voltage circuit can be in accordance with customer demand assembly way of partial pressure or shunt way
 20. Use industrial PC - BASE controller and DOM new memory instead of traditional hard disk Reading files faster and stability is very high suitable for industrial applications
 21. The screen with automatic protection function, make the screen longer service life .
- The new design conforms to the European CE safety specifications of the electric cabinet and 12.1" LCD (Industrial display),can dustproof, waterproof and tamper-proof and increase the electronic board life .



MAIN



AUTO Z



EDIT



FUZZY

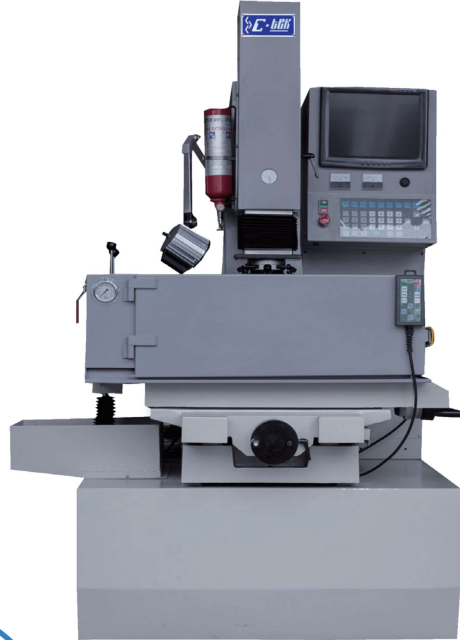


DISCHARGE

BED TYPE BUILT-IN SERIES



ZNC320A



ZNC320B



ZNC430B



CNC320B / CNC430B

BED TYPE SERIES



ZNC435



ZNC540



ZNC650



DC Servo motor Made in Japan

RAM TYPE SERIES



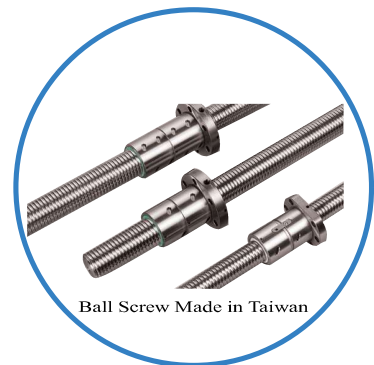
CNC430



CNC540

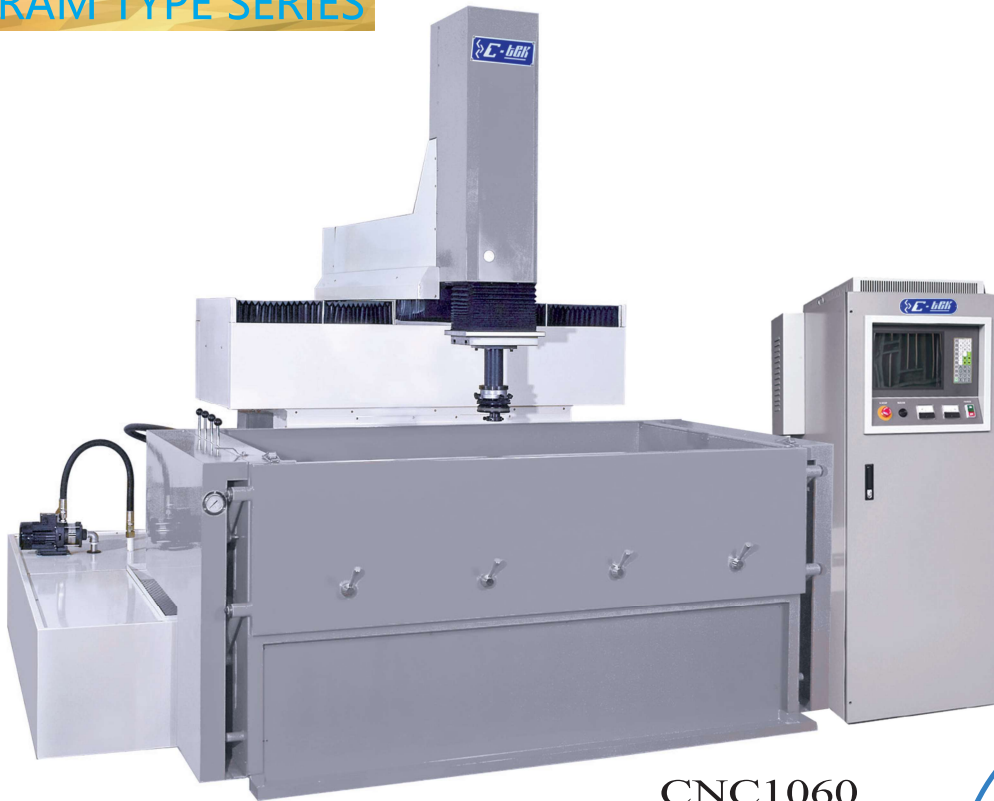


CNC850



Ball Screw Made in Taiwan

RAM TYPE SERIES



CNC1060



Linear Guideway for CNC



CNC1260

RAM TYPE SERIES



CNC1470



PANASONIC AC Servo motor(Optional)



CNC1680 double

RAM TYPE SERIES



CNC1880 double



CNC2110 double

RAM TYPE SERIES



CNC2510 double



CNC3010 double

TYPE SPARK MACHINE SERIES



TR-800



TR-1050F



TR-900F

MACHINE UNIT

MODEL	Unit	TR-800	TR-900F	TR-1050F
Travel X/Y/Z	mm	400/550/60	700/460/180	700/490/180
Work head travel	mm	-	480	480
Index diameter	mm	800	900	1050
Index segmentation accuracy	mm	0.015	0.008	0.008
Z axis rotation angle	°	0	±5	±5
Max.electrode weight	kg	600	20	20
Max.workpiece weight	kg	-	300	1500
Max workpiece size	mm	800	900	1050
Maximum workpiece thickness	mm	-	280	380
Cross weight	kg	2500	3000	3600

MACHINE UNIT(BED TYPE)

MODEL	Unit	ZNC320A/CNC320A	ZNC320B/CNC320B	ZNC430B/CNC430B	ZNC435/CNC435
Work tank (W*D*H)	mm	880*520*330	880*520*330	1100*600*450	1130*710*450
Work table size (X*Y)	mm	600*300	600*300	650*350	700*400
Work table trave X	mm	300	300	400	450
Work table trave Y	mm	200	200	300	350
Ram servo travel(Z-axis)	mm	180	180	200	200
Work head travel(W-axis)	mm	180	180	280	230
Max.distance from electrode plate to table	mm	420	420	450	450
Max.electrode weight	Kgs	100	100	120	120
Max.workpiece weight	Kgs	800	800	1000	1200
Cross weight	Kgs	1150	1150	1360	1550
External dimension(W*D*H)	mm	1300*1250*1200	1300*1250*1200	1430*1180*1800	1470*1150*1980
Oil tank capacity	Liter	250	250	400	400
Net weight	Kgs	Built-in	Built-in	Built-in	Built-in
MODEL	Unit	ZNC540/CNC540	ZNC650/CNC650	ZNC750	CNC750
Work tank (W*D*H)	mm	1300*720*475	1650*1100*630	1650*1100*630	1650*1100*630
Work table size (X*Y)	mm	800*400	1050*600	1050*600	1050*600
Work table trave X	mm	500	650	700	700
Work table trave Y	mm	400	550	550	550
Ram servo travel(Z-axis)	mm	200	250	250	250
Work head travel(W-axis)	mm	380	400	400	400
Max.distance from electrode plate to table	mm	580	850	850	850
Max.electrode weight	Kgs	150	200	200	200
Max.workpiece weight	Kgs	1500	2000	2000	2000
Cross weight	Kgs	1740	2950	2950	2950
External dimension(W*D*H)	mm	1640*1460*2140	2000*1710*2360	2000*1710*2360	2000*1710*2360
Oil tank capacity	Liter	460	980	980	980
Net weight	Kgs	180	300	980	980

MACHINE UNIT(RAM TYPE)

MODEL	Unit	CNC430	CNC540	CNC850
Work tank (W*D*H)	mm	1130*710*450	1370*720*450	1650*1100*600
Work table size (X*Y*Z)	mm	700*400	850*450	1000*600
Work table trave (X*Y*Z)	mm	400*300*300	500*400*300	800*500*400
Max.distance from electrode plate to table	mm	320-620	390-690	500-900
Max.electrode weight	Kgs	120	150	200
Max.workpiece weight	Kgs	1500	1800	3000
Cross weight	Kgs	1800	2500	4500
MODEL	Unit	CNC1060	CNC1260	CNC1470
Work tank (W*D*H)	mm	2000*1300*700	2000*1300*700	2250*1300*650
Work table size (X*Y*Z)	mm	1250*800	1250*800	1500*900
Work table trave (X*Y*Z)	mm	1000*600*450	1200*600*450	1400*700*500
Max.distance from electrode plate to table	mm	550-1000	550*1000	600-1150
Max.electrode weight	Kgs	300	300	400
Max.workpiece weight	Kgs	3500	3500	5000
Cross weight	Kgs	5500	5500	8000
MODEL	Unit	CNC1680single/double	CNC1880single/double	CNC2110single/double
Work tank (W*D*H)	mm	2550*1500*560	3000*1500*650	3500*1800*650
Work table size (X*Y*Z)	mm	1700*1000	2000*1000	2500*1200
Work table trave (single)	mm	1600*800*500	1800*800*600	2300*900*600
Work table trave (double)		1100*800*500	1200*800*600	1450*900*600
Max.distance from electrode plate to table	mm	650-1150	600-1200	650-1250
Max.electrode weight	Kgs	400	400	450
Max.workpiece weight	Kgs	6000	6500	8000
Cross weight	Kgs	single 9000/double 1200	single 17500/double 19500	single 23000/double 25000

MACHINE UNIT(RAM TYPE)

MODEL	Unit	CNC2510single/double	CNC3010single/double
Work tank (W*D*H)	mm	3800*1800*650	4500*1800*650
Work table size (X*Y*Z)	mm	2700*1200	3200*1200
Work table trave (single)	mm	2500*900*600	3000*900*600
Work table trave (double)		1750*900*600	2400*900*600
Max.distance from electrode plate to table	mm	650-1250	700-1300
Max.electrode weight	Kgs	450	450
Max.workpiece weight	Kgs	10000	15000
Cross weight	Kgs	single 17500/double 19500	single 23000/double 25000

Power Supply Unit

Model		30A	50A	75A	100A	30A	50A	75A	100A
Control Method and Axis		Close(Z-axis)				Close(XYZ-axis)			
Min.Setting Unit		0.005mm(0.001mm)							
Max.Setting Unit		999.995mm(999.999mm)							
Coordinate System		INC・ABS							
Inching		0.005mm(0.001mm)unit x1,x5,x10							
Max.machining current	A	30	50	75	100	30	50	75	100
Total power input	KVA	4	6	8	12	4	6	8	12
Max.Material Removal Rate	mm/m in	220	360	540	720	220	360	540	720
Electrode Wear Rate	%	< 0.2							
Best Surface Roughness	μ mRa	0.2	0.23		0.25	0.18	0.2		0.23
External Dimension	mm	830*720*1850			830*840*1850	830*720*1850			830*840*1850
Packing Dimension	mm	930*820*2050			930*940*2050	930*820*2050			930*940*2050
NET Weight	Kgs	265	270	275	350	265	270	275	350
Machining Setting amount Per set		1				30			
Steps		10				10			
Machining Model		Up sparking・Down sparking				XY model(Z-Lock)・XYZ model			
Orbit Cuting		No				+,X,Square,round,hexagon,side spark			
Continuous machining Max.hole amount		1				100			

Standard Accessories

- 1.12.1"LCD Monitor & 3-Axis Linear Scales(5μm).
- 2.Z Axis DC Servo Motor & Ballscrews.
- 3.1Pcs Electrode Holder.
- 4.1Pcs Working Lamp.
- 5.1 Set Tools With Toolbox&Clamping Kits.

- 6.1 Set Cartridge Paper Filters.
- 7.Machine Level Mounts.
- 8.Auto Fired Detect System&Extinguisher.
- 9.Remote Control Box.
- 10.Operation Manual&Technical Data.

Optional Accessories

1. 3-Axis Linear Scales(1μm).
- 2.AC Servo Motor.
- 3.System 3R or EROWA Tool Holders.
- 4.Carbide special processing circuit box.

- 5.Coolant System.
- 6.EDM Oil.
7. Magnetic table.



Thickness sampel