



CHMER

Pursuit of Remarkable Advance
Prudent and Pragmatic Management

Electric Discharge Machine



IT'S VERY WELL
MADE IN TAIWAN



National Award



Rising Star Award

NZ SERIES

CM 323Z+50NZ



POWERFUL CONTROL SYSTEM-NZ

1. 3-Axis optical scale with fine resolution permits accurate setup.
2. Inch or metric at your selection.
3. Edge finding establishes the center line reference point.
4. Automatic computation of the center point with two given edges.
5. Built in automatic anti-arc protection for optimal performance.
6. Excellent background edit function, user never stop machine to look up spark technology and nc program during process.
7. Two-speed servo is numerically controlled, reducing non-machining time.
8. Maximum 10 positions preset on z axis for z depth trigger stop.
9. Sparking conditions change automatically along the preset trigger points to activate programmable machining from roughing to finishing. There are 40 sets of built in sequential programs in memory.
10. There are up to 99 sets of sparking conditions built in and each can be edited at any time during machining.

CHING HUNG MACHINERY & ELECTRIC INDUSTRIAL CO., LTD.

EASY TO OPERATE

1. The control system is easy to learn and operate for both beginners and experienced conventional diesinking operators.
2. If you know how to operate the traditional digital readout, you know how to use CHMER programmable Z-Axis EDM machines.
3. After you supply the basic data of desired depth and starting sparking amperage, CHMER NZ

can make further machining sequences automatically from rough to fine finishing.

4. CHMER NZ also provides maximum flexibility during machining, further refinements on sparking conditions can be made instantaneously without stopping the operation. Programming becomes extremely time saving.

SPECIFICATIONS

Machine		CM 323Z	CM 434Z	CM 545Z	CM 655Z
Table size (WxD)	mm	500x350	650x400	800x500	1000x600
Table travel (X, Y)	mm	300x200	400x300	500x400	600x500
Work tank size (WxDxH)	mm	820x500x300	1050x600x300	1250x700x500	1500x800x500
Ram travel (Z)	mm	300	350	500	500
Distance from RAM platen to work table	mm	250-550	200~550	200-700	250-750
Max. electrode weight	kg	60	100	300	300
Max. workpiece weight	kg	500	750	1500	2250
Outside dimensions (WxDxH)	mm	1300x1300x2150	1400x1340x2190	3380x2310x2650	3970x2410x2750
Weight	kg	1000	1400	3200	3500
For Dielectric		D323	D434	D545	D655

Dielectric		D323	D434	D545	D655
Volume	L	280	390	720	900
Filter method		2	2	4	4
Pump	HPxset	0.5x1	0.5x1	0.5x2	0.5x2
Weight	kg	built in	80	110	160
Outside dimensions	mm	built in	1400x800x430	1800x800x500	1800x1000x500

Power Supply Unit		50NZ	75NZ	125NZ
Max. machining current	A	50	75	125
Max. power input	KVA	4	5	10
Max. machining speed	mm ³ /min	350	550	900
Electrode wear rate	%	0.2	0.2	0.2
Best surface roughness	μm/Ra	0.45	0.45	0.45
Outside dimensions	mm	570x470x1720	570x470x1720	570x470x1720 +570x470x1720
Weight	kg	180	220	400

* Note : The manufacturer reserves the right to modify the design, specifications, mechanisms,.....etc. to improve the performance of the machine without notice, all the specifications shown above are just for reference.

FLOOR LAYOUT	CM 323Z	CM 434Z	CM 545Z	CM 655Z
W	2450	2550	3380	3970
D	1450	1550	2310	2410
H	2150	2250	2650	2750

(mm)

STANDARD ACCESSORIES

Paper filter ----- 1set	Machine stand ----- 1set
Tool box ----- 1set	Drill chuck ----- 1set
Clamping kits ---- 1set	Electrode holder ---- 1set
Flushing nozzle -- 2sets	Halogen work lamp -- 1set

OPTIONAL ACCESSORIES

Orbit Cut system	Fire extinguisher
Magnetic base	



CHMER

CHING HUNG MACHINERY & ELECTRIC INDUSTRIAL CO., LTD.

No.3 , Jing-Ke 1st Road, Nantun District, Taichung City 408, Taiwan.

TEL: +886-4-23500979 • FAX: +886-4-23500977

http://www.chmer.com • e-mail:overseas@mail.chmer.com

S5B-0005 G