

## SPECIFICATIONS

MACHINE	UNIT	CM240R	CM380	CM545	CM655
Work table size (WxD)	mm/inch	500X350 / 19.7X13.8	650X400 / 25.6X15.8	800X500 / 31.5X19.7	1000X600 / 39.4X23.6
Table travel (X, Y)	mm/inch	300X200 / 11.8X7.9	400X300 / 15.8X11.8	500X400 / 19.7X15.8	600X500 / 23.6X19.7
Work tank (WxDxH)	mm/inch	820X500X300 / 32.3X19.7X11.8	1050X600X300 / 41.3X23.6X11.8	1250X700X500 / 49.2X27.6X19.7	1500X800X500 / 59X31.5X19.7
Ram servo travel (Z1)	mm/inch	200/7.9	200 / 7.9	500 / 19.7	500/19.7
Work head travel (Z2)	mm/inch	200(MANUAL) / 7.9		—	
RAM platen to work table	mm/inch	160-560 / 6.3-22.1	200-600 / 7.9-23.6	200-700 / 7.9-27.6	250-750 / 9.8-29.5
Max. electrode weight	kg/lbs	60 / 132	70 / 154	300 / 660	300 / 660
Max. workpiece weight	kg/lbs	500 / 1100	750 / 1650	1500 / 3300	2250/4950
Outside dimensions (WxDxH)	mm/inch	1300x1300x2220 / 51.2x51.2x87.4	1400x1340x2170 / 55.1x52.7x85.4	1600x1600x2620 / 63x63x103.1	1860x1700x2750 / 73.2x66.9x108.2
Weight of machine unit	kg/lbs	1000 / 2200 D323	1400 / 3080 D434	3200 / 7040 D545	3500 / 7700 D560

POWER SUPPLY		50MP	75MP	100MP	125MP	150MP
Max. machining current	A	50	75	100	125	150
Total power input	KVA	5	6	10	11	12
Max. metal removal rate	mm <sup>3</sup> /inch <sup>3</sup>	350 / 0.021	550 / 0.034	700 / 0.043	900 / 0.055	1050 / 0.064
Electrode wear ratio	%	0.2	0.2	0.2	0.2	0.2
Best surface roughness	umRa	0.45	0.45	0.45	0.45	0.45
Outside dimensions (WxDxH)	mm/inch	540x470x1720 / 21.3x18.5x67.7	540x470x1720 / 21.3x18.5x67.7	450x470x1650 / +450x470x1650 / 17.7x18.5x64.9 / +17.7x18.5x64.9	450x470x1650 / +450x470x1650 / 17.7x18.5x64.9 / +17.7x18.5x64.9	450x470x1650 / +450x470x1650 / 17.7x18.5x64.9 / +17.7x18.5x64.9
Weight	kg/lbs	180/396	220/484	360/792	400/880	440/968

DIELECTRIC		D323	D434	D545	D560
Capacity	l/gal	280 / 61.6(UK) / 74.0(US)	390 / 85.8(UK) / 103(US)	720 / 158.4(UK) / 190.2 (US)	900 / 198 (UK) / 237.8 (US)
Filter method	Paper-filter	2	2	4	4
Pump	HP	0.5	0.5	0.5x2	0.5x2
Net Weight	kg/lbs	Built in	80/176	110/242	160/352
Outside dimensions (WxDxH)	mm/inch	Built in	1400x800x430 / 55.1x31.5x16.9	1200x800x500 / +1200x600x500 / 47.2x23.6x19.7 / +47.2x23.6x19.7	1800x1000x500 / 59x31.5x23.6

※ 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.



**CHING HUNG MACHINERY & ELECTRIC INDUSTRIAL CO., LTD.**

No. 3, Jing-Ke 1st Road, Nantun District, Taichung City 408, Taiwan.  
TEL: +886-4-23500979 <http://www.chmer.com>  
FAX: +886-4-23500977 e-mail:overseas@mail.chmer.com

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MP SERIES



[ CM 240R + 50MP ]



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**THE FIRST ISO 9002 CERTIFIED EDM MANUFACTURER IN TAIWAN**



**CM 380+50MP**

**MACHINE UNIT**

- High rigidity machine frame and bed.
- Ribs are provided for extra strength.
- Employing high-grade cast iron for the bed, column and ribs, to assure best durability, stability and accuracy when in operation.
- Ram mounted in high precision linear roller guide way.
- All sliding surface is thermally ground and heat treated.
- The X, Y axis of worktable is coated with Turcite-B and equipped with ground leadscrew (or ballscrew), enabling smooth travelling and accurate positioning.



**CM 545+75MP**

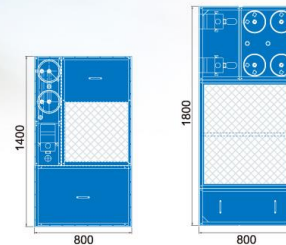


**CM 655+75MP**

**POWER SUPPLY UNIT**

- Power supply unit consists of modular PC boards adopting IC and high-rating/high-frequency transistors, characterized by low defectiveness, high efficiency, easy maintenance and simplified repair.
- High-Low Voltage Superimposed circuit design is adopted to stabilize the electric current and discharging pulse, which in turn can raise machining efficiency and speed.
- Pulse Width Modulation (P.W.M)DC servo motor can save energy, raise machining efficiency, lower maintenance expense.
- Automatic Anti-Arc detector can prevent residue such as metal and carbon particles from depositing thus protect workpiece from damaging.
- From rough to fine machining, there are total 24 channels for both Pulse-Off. With Pulse-On time remains unchanged, the machining condition can be altered by adjusting Pulse-Off time alone. This wide application range makes CHMER EDM suitable for high-speed machining while with minimum electrode wear and desirable surface finishing.

**DIELECTRIC TANK**



▲ D434

▲ D545

**ACCESSORIES**



**STANDARD ACCESSORIES:**

Filter element	1 set
Tool box	1 set
Clamping kit	1 set
Flushing nozzle	1 set
Machine stand	1 set
Drill chuck	1 set
Electrode holder	1 piece
Halogen machine work lamp	1 piece

**OPTIONAL ACCESSORIES:**

Orbit-Cut	1 set
Magnetic base	1 set
Automatic fire extinguisher	1 set
System 3R tooling	1 set
Linear Scale-Heidenhain, Fagorm, Miftoyo, Futaba	1 set