

The 2nd Generation ZNC EDM with SE Technology

Ultra Precision & High Efficiency





- ◆ 2nd Generation Expert System, cycle time -30% ↑
- 14 M/min Z Axis High Speed Jumping
- Close-loop control · accuracy 0.001mm
- 3 in one Compact Design
- HEIDENHAIN 1um Linear Scale
- Best Surface Finish (Tungsten-Carbide)
 < Ra 0.28 um

 Tool Wear ratio < 18%,
 Fast Machining Efficiency
- 360° Vari-focus LED Spotlight
- User Can Change Parameters During Eroding



series



Go Further, Think Further

14 M/min High speed jumping

The new **SE** power generator system adopts highspeed motion control algorithm, which provides a stable servo discharge gap and shortens the cycle time. Compare to linear motor design, Z axis jumping driver is more capable and durable.







▲ Connector pins

Intelligent Expert System

Built-in Expert System, from rough to fine surfaces, machining program can be generated at a time. A variety of materials like **copper**, **graphite**, **tungstencarbide***, **copper tungsten***,...etc., users no longer need to worry about complicated discharge condition settings.





▲ Uniform surface, no pin hole

▲ Tungsten-Carbide punch head (нка 90°)

Sharp corner R radius < 0.02 mm

For finer lines and shapes, through the latest low wear technology, the best R radius within **0.02** *um* can be achieved by using **4** electrodes.



Super harden material

High tool wear caused by harden materials is a major problem during electrical discharge machining. Through a new exclusive designed circuit and low wear technology, the best surface roughness **<Ra 0.28 um** / **VDI 9** can be achieved.

※ Hard material circuit is optional

	ZNC-30SE	ZNC-50SE	ZNC-90SE
Traveling Distance (X / Y / Z)	250 x 200 x 200 mm	350 x 250 x 200 mm	500 x 400 x 350 mm
Working Table Size (X / Y)	470 x 280 mm	630 x 360 mm	800 x 450 mm
Working Tank Size (W x D x H)	885 x 435 x 270 mm	940 x 530 x 350 mm	1240 x 700 x 435 mm
Z Axis Auxliary Travel Distance	+ 170 mm	+ 200 mm	+ 170 mm
Distance between Chuck and Table	25 ~ 400 mm (T16)	75 ~ 470 mm (T16)	60 ~ 585 mm (T16)
Maximum Electrode / Workpiece Weight	30 / 300 Kg	50 / 500 Kg	200 / 1350 Kg
Maximum Output Current	30 A	50 A	60 A
Best Surface Roughness / Wear Ratio	Ra 0.18um / 0.02%	Ra 0.18um / 0.02%	Ra 0.18um / 0.02%
Power Capacity	5 KVA	5 KVA	5 KVA
Dielectric Oil Capacity	200 L	300 L	600 L
Machine Dimension (W x D x H)	1300 x 1250 x 2120 mm	1400 x 1380 x 2200 mm	2050 x 1800 x 2440 mm
Total Machine Weight	1,110 Kg	1,375 Kg	2,615 Kg



NEUAR PRECISION MACHINERY CO., LTD.

No.11, Aly. 19, Ln. 20, Daxing Rd., Luzhu Dist, Taoyuan City 33862, Taiwan (R.O.C.) TEL: (+886)-3-313-6986 FAX: (+886)-3-323-2376 www.neuar-edm.com E-mail: info@neuar-edm.com

