

Ultra Precision & High Efficiency

Ether**CAT**®



CNC-A50E2



CNC-A30E2



CNC-A90E2

- ❖ 3rd Generation Expert System, cycle time -30% ↑
- ❖ 14 M/min High Speed Jumping
- ❖ ±4um Machining Accuracy
- ❖ 3 in one Compact Design
- ❖ Best Surface Finish < Ra 0.08 um
- ❖ Best Surface Finish (Tungsten-Carbide)
< Ra 0.22 um · Tool Wear ratio < 18%
- ❖ On-line Measurement System
- ❖ 360° Vari-focus LED Spotlight
- ❖ HEIDENHAIN 1um Linear Scale
- ❖ Industry 4.0 EtherCAT Technology
- ❖ 15" Touch Panel

Go Further, Think Further

14 M/min High speed jumping

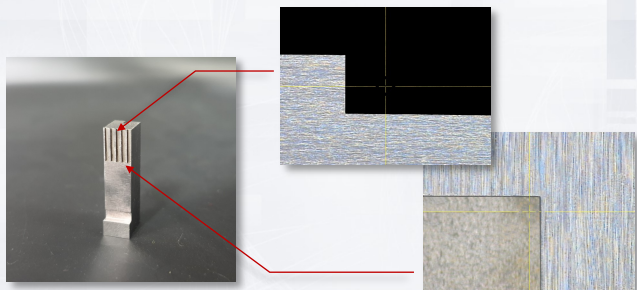
The new **AE II** power generator system adopts high-speed motion control algorithm, which provides a stable servo discharge gap and shortens the cycle time. Compare to linear motor design, Z axis jumping driver is more capable and durable.



▲ Graphite rib machining

+40% Efficiency ↑

-38% Cycle time ↓

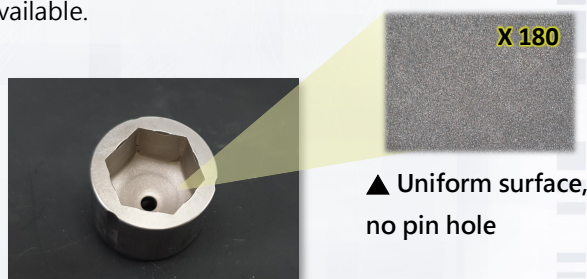


▲ Connector pins

Intelligent Expert System

User friendly interface. Just enter machining parameters, the internal calculation engine can calculate the most appropriate electrode undersize and number of electrodes. A Variety of machining applications like

Rib · **Connector** · **Screw** · **Sprue** · **Sphere** ...etc. are available.



▲ Tungsten-Carbide punch head (HRA 90°)

▲ Uniform surface, no pin hole

Sharp corner R radius : 8 um

For finer lines and shapes, through the latest low wear technology, the best R radius **8 um** can be achieved by using **4** electrodes.



▲ 5 Simple setting steps to make you become an EDM expert !

Super harden material

The high tool wear caused by harden materials is a major problem in electrical discharge machining. Through a new exclusive circuit and low wear technology, the best surface roughness **<Ra 0.22 um / VDI 7** can be achieved.

	CNC-A30E2	CNC-A50E2	CNC-A90E2
Traveling Distance (X / Y / Z)	250 x 200 x 200 mm	400 x 300 x 300 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 550 x 350 mm	1240 x 700 x 435 mm
Z Axis Auxiliary Travel Distance	+ 170 mm	—	+ 170 mm
Distance between Chuck and Table (3R / EROWA)	95 ~ 470 mm 75 ~ 450 mm	155 ~ 455 mm 135 ~ 435 mm	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 0.08um / 0.02%	Ra 0.08um / 0.02%	Ra 0.08um / 0.02%
Power Capacity	5 KVA	10 KVA	10 KVA
Dielectric Oil Capacity	200 L	300 L	600 L
Machine Dimension (W x D x H)	1200 x 1105 x 2140 mm	1320 x 1380 x 2150 mm	2055 x 1690 x 2310 mm
Total Machine Weight	1,135 Kg	1,370 Kg	2,615 Kg



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