

The New **4-AXIS** CNC EDM with **AE II** Technology

**Ultra Precision &
High Efficiency**

Ether**CAT**®



CNC-C50E2 (ATC-4) 



CNC-C50E2 (ATC-4)



CNC-C90E2 (ATC-6)

- ❖ 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 ↓



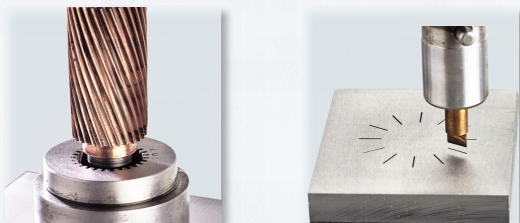
▲ Large area of mirror surface

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.



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



▲ C-AXIS for helical & angle machining

High precision C axis

Built-in high precision C axis, 4 axes simultaneously machining, and comprehensive machining capabilities. There are two C axis speed available.

	C-AXIS	CR-AXIS
Rotation Speed	1-20 RPM	1-200 RPM

	CNC-C50E2	CNC-C90E2
Traveling Distance (X / Y / Z)	400 x 300 x 300 mm	500 x 400 x 350 mm
Working Table Size (X / Y)	630 x 360 mm	800 x 450 mm
Working Tank Size (W x D x H)	940 x 530 x 350 mm	1240 x 700 x 435 mm
Z Axis Auxiliary Travel Distance	—	+ 170 mm
Distance between Chuck and Table (3R / EROWA)	100 ~ 400 mm	60 ~ 585 mm
Maximum Electrode/Workpiece Weight	(11)50 / 500 Kg	(11)200 / 1350 Kg
Maximum Output Current	50 A	60 A
Best Surface Roughness / Wear Ratio	Ra 0.08um / 0.02%	Ra 0.08um / 0.02%
Power Capacity	10 KVA	10 KVA
Dielectric Oil Capacity	300 L	600 L
Machine Dimension (W x D x H)	1320 x 1380 x 2150 mm	2055 x 1690 x 2310 mm
Total Machine Weight	1,450 Kg	2,630 Kg



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