



New
Development
on EDM :

Smaller & More Productivity

The first Electrical Discharge Machine (EDM) featured with compact gantry structure and exceptional performance based on self-developed oil cutting technology.

The high-end Wire Cut Electrical Discharge Machine (EDM), SP3020L, is a new machine with creative technologies that make it unique on the market. This EDM model is the first one to feature a gantry structure, reducing the machine footprint by 20%, while providing exceptional performance. The low center of gravity maintains stable levels of all liquids. It also improves machining and positioning accuracy.

The SP3020L, equipped with self-developed linear motors, represents the perfect solution for EDM users with a quality comparable to the leading models in the EDM industry. Moreover, its sleek and compact appearance is going to stand out as the new style for EDM machines.

The SP3020L benefits from advanced oil cutting technology by integrating significant innovations, which improve technical capabilities such as the cutting efficiency. It achieves better outcomes than with water cutting, especially for new machining tools like high hardness, long life materials (PCD/PCBN), ceramic and silicon carbide. It is also suitable for small machining gap in order to increase the processing accuracy of R angle and width. In addition, the simple and fast auto wire threading system can complete a thread within only 6 seconds.

Besides, the exclusive NES circuit allows the SP3020L to recycle the energy and reach up to 20% of power saving. With this design, it is now possible to save



about USD 1,000 within a year, while reducing heat dissipation of power generator. Furthermore, operators can simultaneously analyze all the status of each machine via the integration of controller's intelligent self-diagnosis system and remote monitoring technology. All information can be transmitted to computer or smartphone by Internet, offering the necessary technical support for more efficiency and convenience.

Image Courtesy: CHMER



Workpiece sample:
PCD formed milling
cutters



High precision workpiece
made for Dia Ø0.1mm
wire processing



The SP3020L is capable of
manufacturing high precision
PCD cutters.



SP3020L
ULTRA-PRECISION OIL
WIRE CUT EDM

Focus on ...
Innovation

MT duo Booth No.: **J0802**



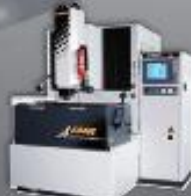
EQ530L
Gantry Type Linear Drive
Wire Cut EDM



AW9SL
AMS High Quality Linear Drive
Wire Cut EDM



AD5L
AMS High Speed Small Hole
Drilling EDM



A6040L
High Speed 3 Axis Linear Drive
Die Sinker EDM



HM6050L
Gantry Type Linear Motor Drive
5 Axis Milling Machine

CHING HUNG MACHINERY & ELECTRIC INDUSTRIAL CO., LTD.

No.3, Jing-Ke 1st Road, Nantun District, Taichung City 408, Taiwan
TEL: +886-4-23509188 / FAX: +886-4-23509777 / Email: overseas@ma.chmer.com

