

Uniting the New Advance Control Unit with Evolving V Technology



Ergonomic design
 Easy-to-view screen (15-inch)
 Intuitive operations using touch-panel control
 User-friendly keyboard and mouse

Various Machining Applications are possible with V Technology



New Control Unit

Easy-Advance Pursuing operability with ease-of-use

Large screen and outstanding operability

- [Setup]**
- Graphical workpiece or electrode measurement screen



Machining support ESPERADVANCE

- [Machining program]**
- Easy table-format programming



Machining condition search (shape expert)

Machining conditions and programs suitable for various shapes can be created

- [Rib]**
- Settings for pocket rib and edge machining rib



- [Set finished shape]**
- Increased orbit pattern lineup



Difficult-to-program items such as threads and helical machining are supported

- [Gate]**
- Easily create programs for sub-gate machining



- [Threads]**
- Programs for rough/finish machining with one electrode

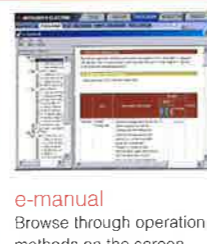


Net-Advance Advanced support services using Internet technology

Update system software via the Web!

- Update the system software to the latest version from the support website, DIAx-NET.COM
- Simultaneously update the EDM contents (e-manual, alarm guide, technical know-how), etc.

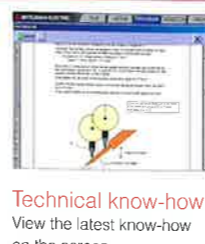
DIAx-NET.COM
<http://www.diax-net.com/>



e-manual
 Browse through operation methods on the screen



Alarm guide
 Display countermeasures for alarms on the screen



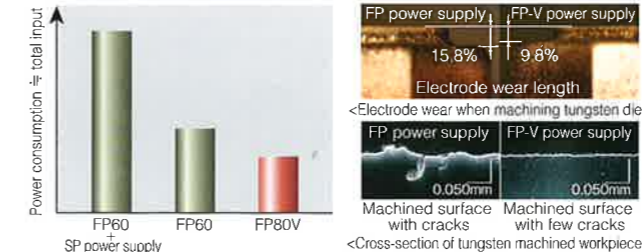
Technical know-how
 View the latest know-how on the screen

V Technology

Machining Machining performance

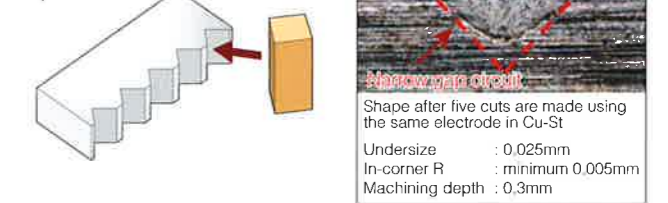
FP-V power supply

- Energy-saving power supply reduces operating cost
- Machine even tungsten carbide at high speed with low electrode wear



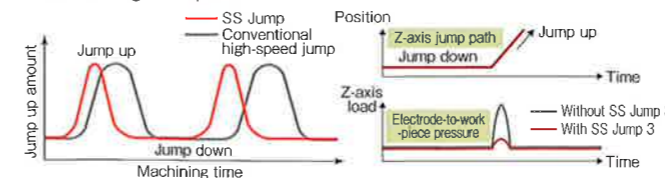
Wear suppression circuit, narrow gap circuit

- Compatible with small undersize amounts of 0.015 to 0.03mm per-side.



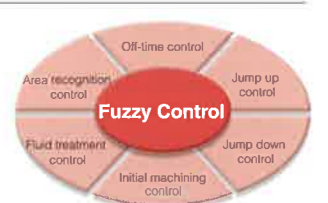
Machining stabilizing jump control: SS Jump 3

- The load on the electrode is reduced by optimized smoothing of the jump movement, thereby stabilizing machining and increasing the speed



Machining adaptive control

- Automatically adjusts to the optimum conditions according to the machining state

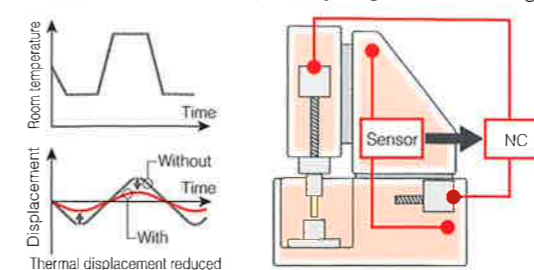


Machine Machine performance

Semi-cabin structure

Thermal displacement compensation function

- Reduces thermal displacement caused by temperature changes
- Stabilizes the accuracy during long-term machining



Working tank

- The three-sided drop tank improves access for work setup
- Adjustable fluid flow rates increase the range of no-flush machining

