Reaching New Levels with Evolutionary Technology and the New ADVANCE Control Unit

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

Advanced V Technology

Refined style, high-performance energy-saving power supply, ample know-how

Machining

Fine-finishing circuit (NP2, GM2 circuits)
• Optimum surface machining aiming to eliminate polishing
• Realizes Rz 0.4μm (Ra 0.06μm) with matte and glossy surface

Wear suppression circuit, narrow gap circuit
• Compatible with small undercuts amounts of 0.015 to 0.030mm per side

Machining stabilizing jump control : SS jump 4
• High-speed jump is improved in 3-axis machining by optimizing the smoothing of the jump up operation and speed/acceleration control

Machine

Semi-cabin structure
• Reduce thermal displacement caused by temperature changes
• Reduces thermal displacement caused by temperature changes
• Stabilizes the accuracy during long-time continuous machining

3D-ADVANCE

Fully utilizing 3D CAD data
• Import machining instruction information (EPX) and 3D models of electrodes and workpieces (Parasolid) from the CAD/CAM
• Use 3D data in the workshop to visually confirm machining position, and assist setup and machining
• Calculate changes in the electrical-discharge machining area from the 3D model, and optimize the machining conditions (3D-EXPERT)

Net-ADVANCE

Advanced support services using net technology
Update system software via the Web!
This is available only to DIAX-NET.COM members.

Maintenance

Working tank
• The three-sided drop tank improves access for work setup
• Adjustable high-volume fluid flow rates increases the range of no-flush machining

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