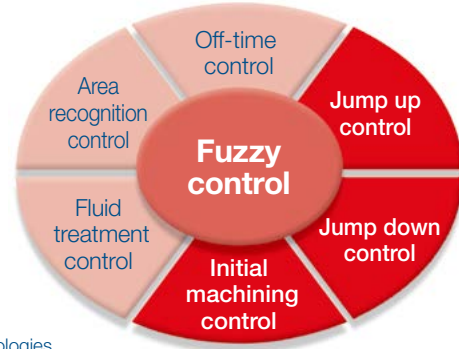
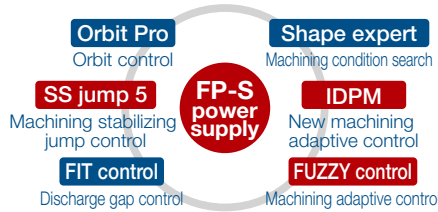


Functions and Features

Integration of highly evolved technology and ADVANCE control
Compatible with various types of EDM machining

Highly evolved technology

High-speed machining is realized using advanced machining control



IDPM

- Intelligent Digital Power Master: Adaptive control to be integrated ever developed technologies
- Integrated Discharge Power Monitor: Adaptive control to reduce abnormal discharge with detecting discharge pulse

Machining adaptive control: IDPM

Faster machining and low electrode wear are realized when using graphite electrode

- Wear using graphite electrode reduced up to 80% by IDPM
- Electrode wear comparison for 15x15mm and 40mm depth

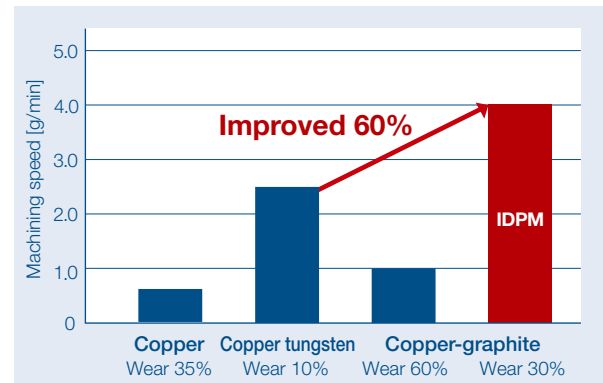


*Compared to conventional Mitsubishi Electric EDM (EA Series)



Improved Productivity of Tungsten Carbide Machining

- Machining speed is improved up to 60% with using IDPM and copper-graphite electrode

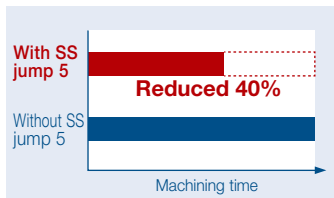


*Machining performance may vary depending on machine specifications and electrode materials

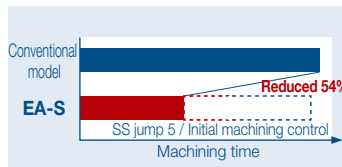
Machining stabilizing jump control: SS jump 5

Jump control suitable for various shapes is realized by optimizing smoothing of jump up operation and speed / acceleration control

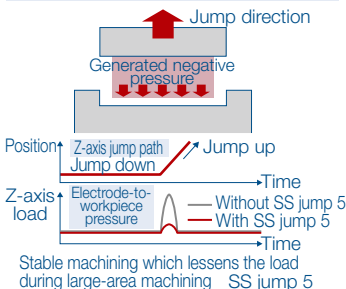
- Machining time is reduced up to 40% by optimizing smoothing of simultaneous 2 or 3 axes operation and speed/acceleration control



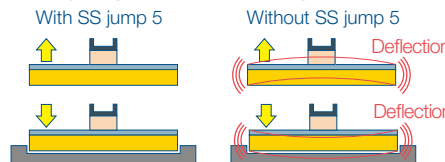
- Machining time reduced for the uniform fine finish machining using medium-sized electrode



*Compared to conventional Mitsubishi Electric EDM (EA Series)



Stable machining which lessens the load during large-area machining



Machining adaptive control: Initial machining control

Faster machining is realized with improved initial machining control for the start of machining after rough milling

- Machining time reduced up to 50% for the start of machining after rough milling