

Next-generation machine equipped with Mitsubishi Electric's unique AI-Maisart's ultimate overall optimization technology

Productivity improvement



Maisart: Mitsubishi Electric's proprietary AI technology to realize a more secure, safe and comfortable society

Mitsubishi Electric's AI creates the State-of-the-ART in technology

Performance for multiple industries more improved by strengthening /adding Maisart functions



SV8P

**Productivity improvement**

- Proprietary AI technology(Maisart)
- High accuracy / Low wear

**Improve setup**

- Increase of machining fluid discharge speed
- Reduction of automatic electrode exchange time

**Improved operability**

- D-CUBES controller
- Machining condition search function



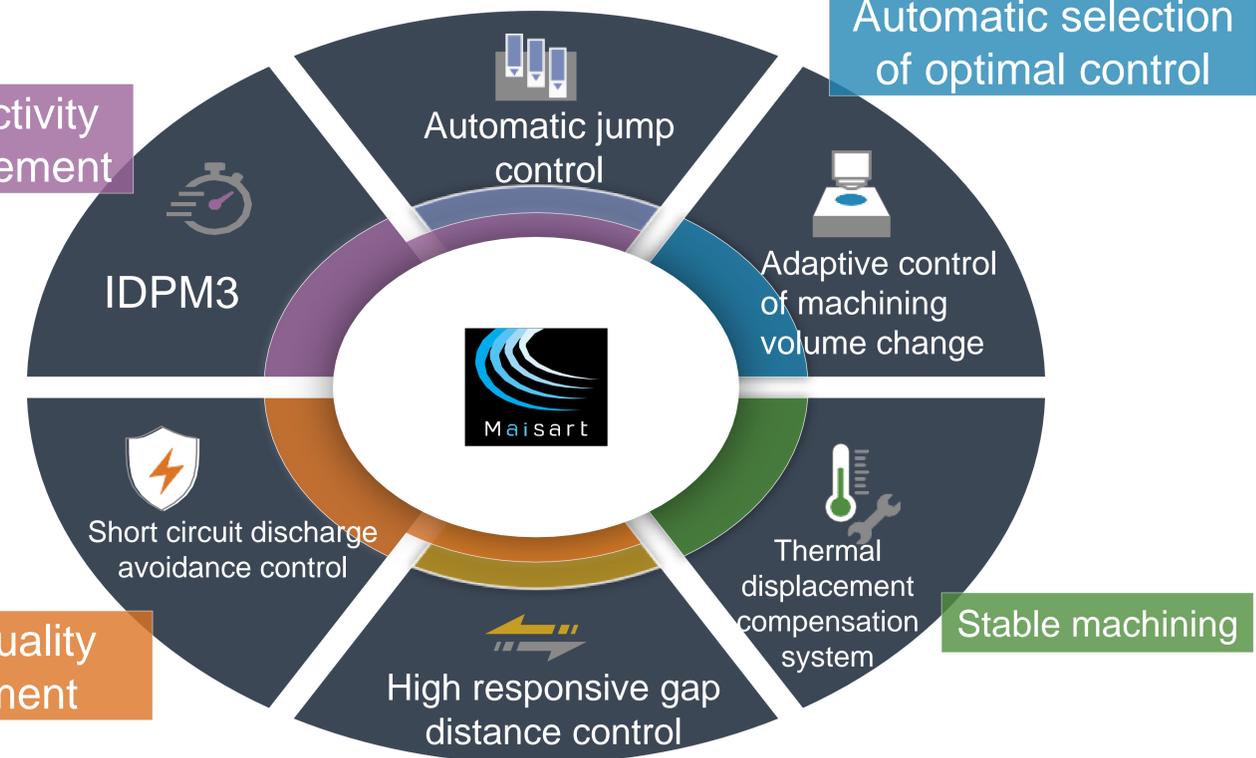
SV12P

**AI technology with EDM**

Machining time shortened

Automatic selection of optimal control

Productivity improvement



Surface quality improvement

Stable machining

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Productivity improvement



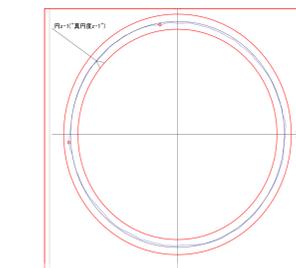
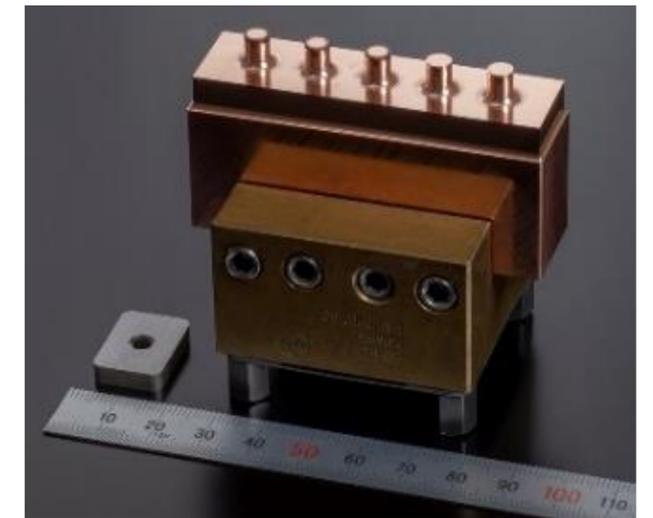
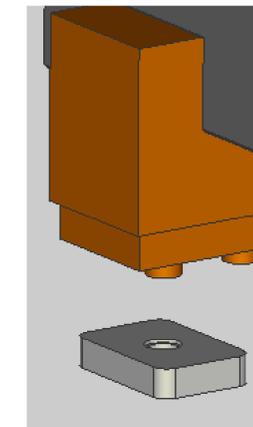
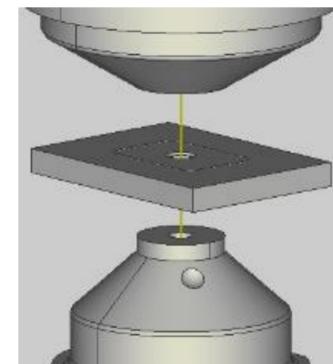
High-accuracy positioning + axis feed ( Example: Optical resin mold part )

- Realizes high-accurate coaxiality with stable positioning accuracy

Machining method

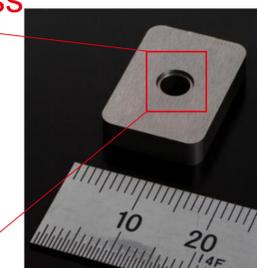
1)Roundness machining with wire-EDM(MX600)

2)Roundness part is machining with carving



Roundness 1 or less

Coaxiality 2 μm or less



Electrode :Copper  
Workpiece:Steel  
Depth :0.5mm



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## Improved operability

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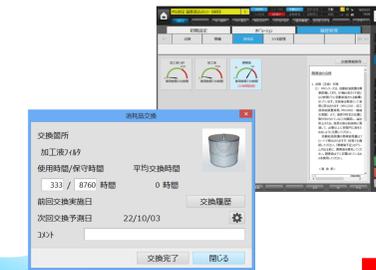
- Improved discharge performance of machining fluid by raising up / down speed of machining tank
- Set machining tank elevation position button
- Shorten ATC replacement time (Reduction in machining tank descent time and machine moving speed UP)

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## Improved operability



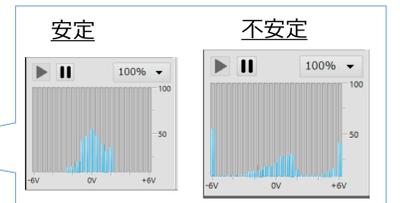
HOME screen adoption. It can customize the contents of multiple screens to one screen



Filter, lubricant (Operation inspection monitor)



Graphical display of machining stability (visualization monitor)



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## Machining condition search function

Further narrowing search method makes it easier to search the machining condition !

