Wire-cut EDMs
MV-R Series
ADVANCE PLUS control expands the capabilities of electrical-discharge machining

UV OPT-drive system
(standard for MV-R series)

Improved corner and circular accuracy

- ODS provides high accuracy even when cutting a U-V independent tapered shape
- Machining accuracy is improved in very small inside & outside corn taddi (CMM)
  *CMM (Corner Mastered) : Corner machining control
- Compensation accuracy improved by new AFC, servo control

Circular accuracy within 2μm

Wire electrode: 0.002" (0.05 mm)
Workpiece: Steel (S55C11), 6.0mm x 1.6mm

V350V power supply
(standard for MV-R series)

Improved machining speed

- V350V power supply control realizes high-speed machining
- Optimized control of power supply during intermediate and finishing processes reduces total machining time

Machining time reduced up to 17%

Conventional

MV-S

MV-R

Wire electrode: 0.002" (0.05 mm)
Workpiece: Steel (S55C11), 6.0mm x 1.6mm

Digital-FS power supply
(option for MV-R series)

Surface roughness of Rz1.0μm or less

- Optimum surface roughness of Rz0.4μm
- Machining with the workpiece set directly on the table (insulation jg not required)
- V350V machining range not limited (entire X-Y stroke area)

Angle Master ADVANCE
(option for MV-R series)

Improved taper accuracy

- ODS provides high accuracy even when cutting a U-V independent tapered shape
- Taper accuracy is improved regardless of wire angle direction

Machining accuracy ±2μm

Displacement control according to wire angle direction

COREHOLD (sludge retention)
(option for MV-R series)

Improved productivity

- This function allows the sludge to be automatically held in place after the rough cut for complete unattended operation
- These positions and lengths can be set by CamMagic or the built-in CAM on the machine

COREHOLD setting section (CamMagic)

Wire electrode: 0.002" (0.05 mm)
Workpiece: Steel (S55C11), 6.0mm x 1.6mm

Option

- Standard equipment
- Factory installation only
- Not available

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*Anti-virus protection is provided by one of the world leaders in security control
McAfee is a registered trademark of McAfee, Inc. in the United States and other countries

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Machine specifications differ according to the country and region, so please check with your dealer.