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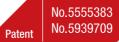
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Industry's highest 40G!

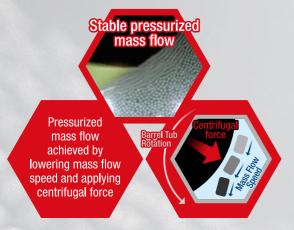
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Principle of hi-gravitational barrel finishing method

Stable pressurized mass flow (patented) enhances the performance of abrasive media to the maximum.

Mighty Mild.



Centrifugal Barrel Finishing Machine Turbulent mass flow

like avalanche



Suited applications

Electric **Electronics**

Precision

Ceramic capacitors Magnets Optical components

Miniature bearings Machine elements Cutting chips

Oil-pneumatic components

Medical Dental

Dental brackets Endoscopic components Fishing tools

Implants, Artificial joints

Ornament Daily necessities Clock components

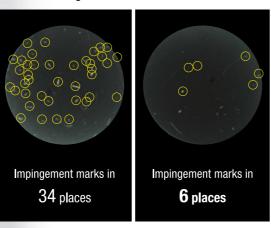
Polishing quickly and carefully with the industry's highest 40G

Drastic reduction of cracks and impingement marks

Smooth pressurized flow reduces the number of collisions between workpieces, resulting in a drastic reduction in cracks and impingement flaws.

Centrifugal **Barrel Finishing Machine**

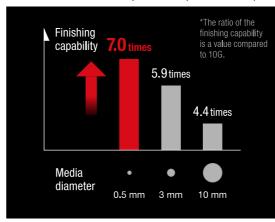
Mighty Mild



Drastic improvement in finishing capability

It exerts more than four times the finishing capability compared to conventional centrifugal barrel machines. In particular, it gives a higher finishing effect to minute workpieces and media.

Influence of finishing capability due to increase in pressure (10G \rightarrow 40G)

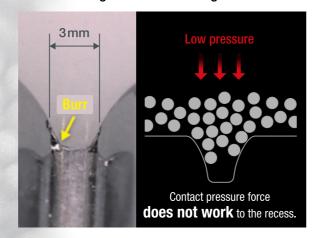


Even complicated recesses and fine shapes are finished quickly and carefully.



The industry-highest gravity, 40G, removes hidden burrs by pushing media deep into gaps that could not be polished

Centrifugal Barrel Finishing Machine



Mighty Mild

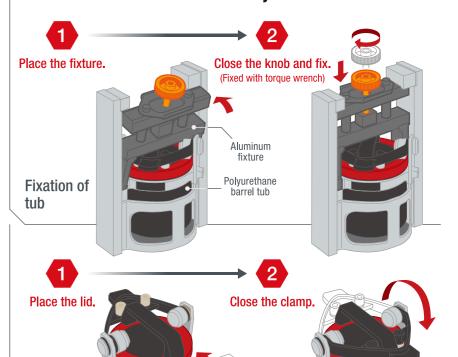


Labor saving, safe, and simple

Universal design easily operable for anyone

Light and easily operable. Even women and the elderly can handle it easily.

Two-motion system



Highest reliability and support for stable operation

► Highest-level safety reliability

Compliant with ISO13489-1 European and American PLe safety standards

Barrel

tub

Automatic rotation speed correction function

Automatically corrects the rotation speed to +/-5 rpm or less of the setting. This ensures

Five times longer product life ► Barrel tub fixation detection of drive section function

(compared to conventional models) Newly developed bearing structure realizes both the industry's highest 40G and longer life of the drive section.

Detects the failure to fix the barrel tub or looseness caused during finishing and automatically stops the tub.

Special specifications

Flow analysis specification (high-speed camera

The behavior in the highly rotating finishing tub can be observed precisely using the high-speed camera. In addition, the speed distribution of the content can be evaluated quantitatively by PIV analysis of the captured

*Applicable to both dry and wet types.

*PIV (Particle Image Velocimetry): A method to measure velocity distribution of particles on a two-dimensional plane based on a particle image



Acrylic transparent tub

high-speed camera

Shooting by PIV analysis results

Please contact us for details regarding this specification.

MMC1-4V specifications

Model	MMC1-4V
No. of barrels	4 barrels
ID of Barrel Tub	1.0 L / 105 mm (Inner diameter) x 105 mm (Depth)
	0.5 L / 105 mm (Inner diameter) x 52.5 mm (Depth
Motor capacity	Revolution / 2.2 kW Rotation / 2.2 kW
Machine size	950 mm (W) x 1220 mm (D) x 1620 mm (H)
Machine weight	Approx. 900 kg

