







Industry's highest 40G!



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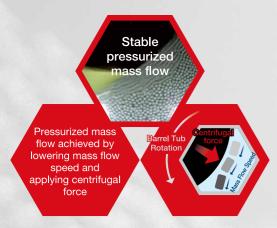
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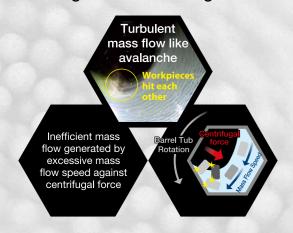
Principle of hi-gravitational barrel finishing method

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

Mighty Mild.



Centrifugal Barrel Finishing Machine



Suited applications

Machine elements and precision

Medical and dental

Ornament and daily

Electric and Electronics Ceramic capacitors, magnets, optical components Miniature bearings, cutting chips, oil-pneumatic

> Implants, artificial joints, dental brackets, endoscopic components

Fishing tools, clock components, jewelry

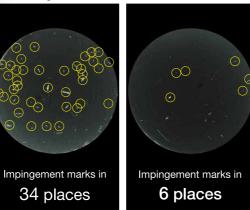
Polishing quickly and carefully with the industry's highest 40G

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

Centrifugal Barrel Finishing Machine

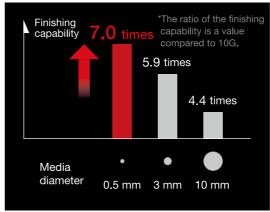
Mighty·Mild



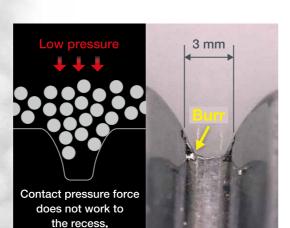
Drastic improvement in finishing capability

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 → 40G)

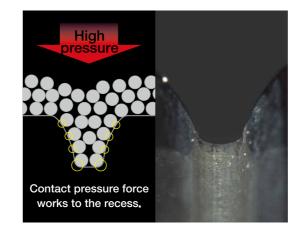


Even complicated recesses and fine shapes are finished quickly and carefully.



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

Mighty Mild

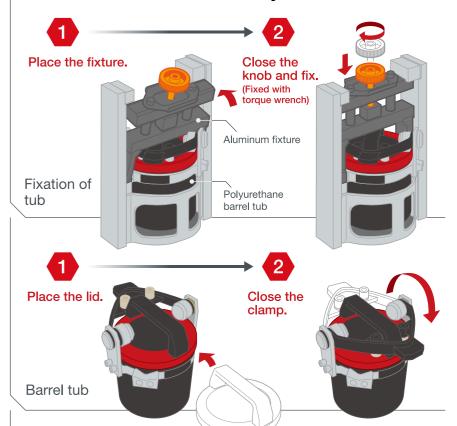


Labor saving, safe, and simple

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

function

the tub.

► Highest-level safety reliability Compliant with ISO13489-1

European and American PLe safety standards

▶ Automatic rotation speed correction function

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

Patent No. 5939709

Five times longer product life of drive section (compared to conventional models)

Newly developed bearing structure realizes both the industry's highest 40G automatically stops and longer life of the drive section.

▶ Barrel tub fixation detection

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

Patent pending

Special specifications

necessities

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 video.

*Applicable to both dry and wet types.

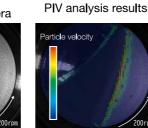
*PIV (Particle Image Velocimetry): A method to measure velocity distribution of particles on a two-dimensional plane based on a particle

High-speed camera shooting unit



Acrylic transparent

Shooting by high-speed camera



Please contact us for details regarding this specification.

MMC1-4V specifications

Machine weight



Approx. 900 kg

Dimensions