

## Industry's highest 40 G!

Principle of hi-gravitational barrel finishing method

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


Centrifugal Barrel Finishing Machine


## Suited applications

Electric and Electronics Ceramic capacitors, magnets, optical components Machine elements and Miniature bearings, cutting chips, oil-pneumatic
precision
Medical and dental
Ornament and daily necessities
components
Implants, artificial joints, dental brackets, sic components
Fishing tools, clock components, jewelr

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

## Drastic reduction of cracks and

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

## Centrifugal Barrel



Mighty-Mild

Drastic improvement in finishing capability It exerts more than four times the finishing capability compared to conventional centrifuga finishing effect to minute workpies a migher Influence of finishing capability due to increase in pressure ( $10 \mathrm{G} \rightarrow 40 \mathrm{G}$ )


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
Highest-level safety reliability Automatic rotation speed Compliant with ISO13489European and American correction function

$t-5$ rpm or the constant finishing condition, This ensures

Five times longer product life Barrel tub fixation detection of drive section (compared to function
Detects the failure to fix the barrel tub or conventional models) looseness caused during finishing and Nealizes both the industry's highest 40 G automatically stops Patent pending and longer life of the drive section.

MMC1-4V specifications

| Model |
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| No. of barels |
| \|D of Barel Tub |
| Motor capacity |
| Machine size |
| Machine weight |

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MMC1-4V
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4 barrels
$1.0 \mathrm{~L} / 105 \mathrm{~mm}$ (nner diameter) $\times 105 \mathrm{~mm}$ (Depth) $0.5 \mathrm{~L} / 105 \mathrm{~mm}$ (nner diameter) $\times 52.5$ $950 \mathrm{~mm}(\mathrm{M} \times 1220 \mathrm{~mm}(\mathrm{D}) \times 1620 \mathrm{~mm}(\mathrm{H})$ Approx. 900 kg


| Special specifications | Flow analysis specification <br> (high-speed camera) <br> 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. <br> *Applicable to both dry and wet types. <br> *PV (Particle Image Velocimetry): A method to measure velocity distribution of particles on a two-dimensional plane based on a particle image |
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