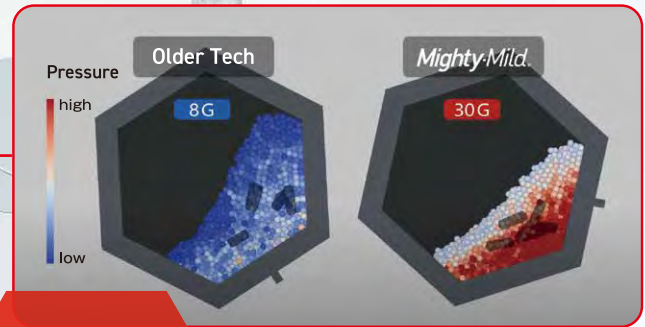


Industry First

Barrel Finishing

Simulation Analysis as a Service

Clearing the unknown about barrel finishing



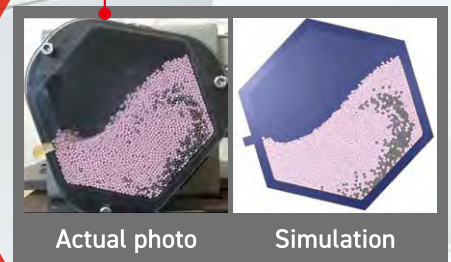
Simulates the
internal flow

High-precision
analysis!

Quantifies
amount deburred
and pressure
applied

Finds the cause
of damage!

Aids in
determining
the ideal speed
and recipe



Theory-based polishing simulations offer solutions to the challenges you face.

Want to improve
production efficiency

Want to know the
polishing mechanism

Cannot find a solution even
after actual tests

Want to prevent
polishing defects

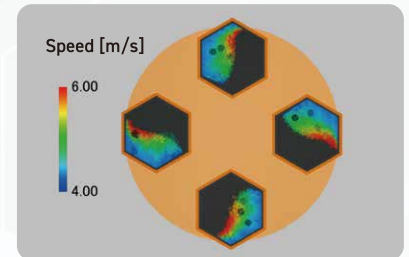
Cannot perform tests

Want to verify prior to
investing in new machinery

Simulation Analysis as a Service for Barrel Finishing

POINT 01 Visualizing/quantifying the barrel flow

Important indicators such as the amount deburred and damages to workpieces can be quantified in addition to the speed and pressure exerted on the workpieces by the media - making it possible to extract information and perform detailed analyses that cannot be obtained from polishing tests alone



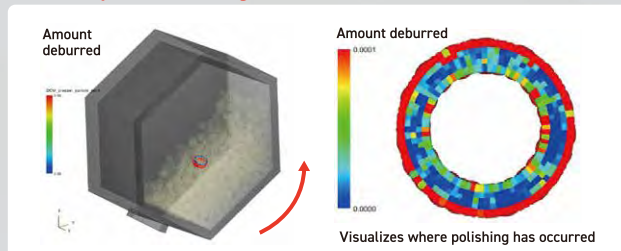
Speed of the operation can be visualized (centrifugal barrel)

POINT 02 Reliable technical support

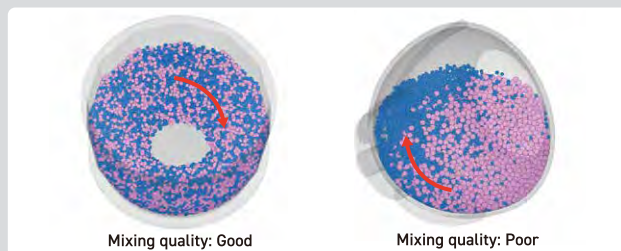
In addition to the analyses by our high-precision simulator and multifaceted results analyses based on our 80 years of polishing know-how, we leverage our strengths as a comprehensive barrel finishing manufacturer to help you optimize polishing conditions, including proposals for equipment and recipe for an ideal solution

Analysis example

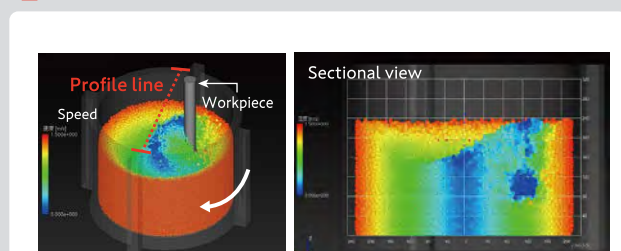
Distribution of the amount deburred for a ring-shaped workpiece (rotating barrel)



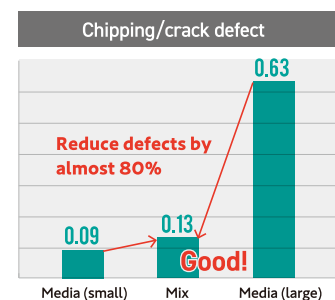
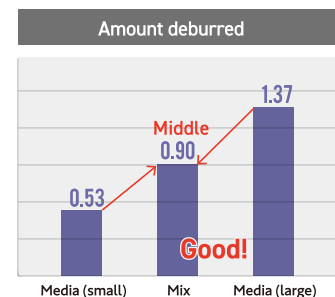
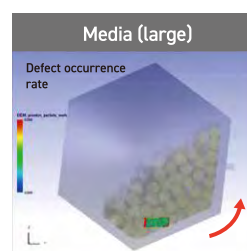
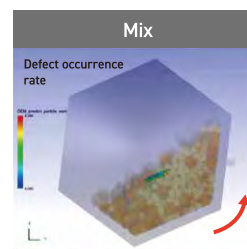
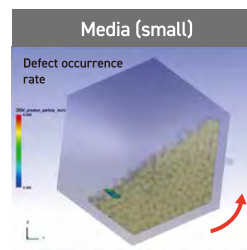
Compare the quality of mixture



Visualization of media flow speed

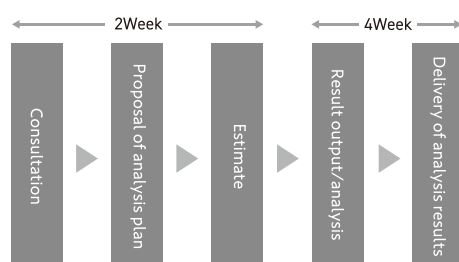


Reduce defects by optimizing polishing conditions



Find a recipe where the optimal deburr and less chipping/crack defects can be achieved

Simulation analysis process



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