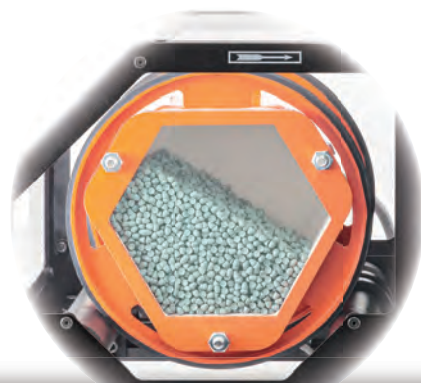


Desktop Rotary Tumbler

FH-3



Visualize the movement of workpieces and media

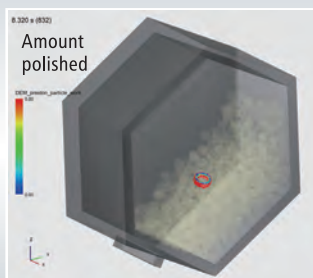


A smart way to test and quantify polishing conditions in a desktop configuration.

More effective when used in combination

Contract analysis as a service

Quantifying the amount of polishing and damage



Made in Japan

Observe the movement of the workpiece and media to determine the optimal polishing conditions

In barrel tumbling, the shape of the container, the number of rotations, the type and amount of workpieces and media, etc., greatly affect the finish of the processing. Since the container is sealed, it is not possible to know what is happening inside making it difficult to optimize the conditions. Since the front of the FH-3 container is transparent, it is possible to clearly observe the position of the workpiece during polishing, collisions of the workpiece, and disturbances in the flow.

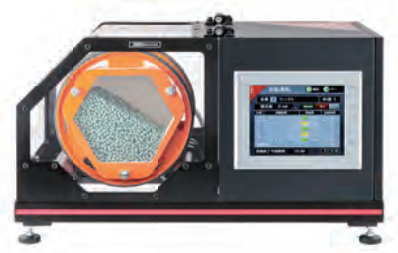
● How it can help

I want to observe how the media hits the workpiece and select the media that is best suited to the workpiece.

We want to observe the position of the workpiece and collisions between workpieces to find the rotation speed that causes the least damage.

I want to check how the amount of workpieces and media affects the flow and increase productivity.

We want to scale down the test to get an idea of how it would work on a large scale.



Various condition settings on the touch panel

Multi-stage operation can be set up to 5 levels, expanding the scope of polishing tests.

Defect preventative measures

By gradually shifting from low to high speed, chipping defects are prevented.

Surface roughness improvement settings

By gradually shifting from high to low speeds, rough polishing and finish polishing can be performed continuously.

Long polishing settings

By automatically repeating between operating and stopping (cooling), the temperature inside the tank is regulated to ensure overheating does not occur.

Setting to prevent uneven grinding

Repeated forward and reverse rotation prevents variations in polishing of large workpieces due to rotation direction.



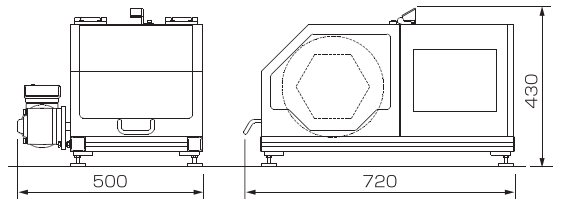
Specifications

Model	FH-3	Rotational Speed	~72rpm
Barrel Capacity	2.8L	Motor	0.1kW
ID of Barrel Tub	ID170 × Depth 108mm	Power	AC100V
Barrel tank weight	Approx. 6kg	Weight	Approx. 40kg

*The specifications of machines may be changed for improvement without prior notice.

*A spare transparent lid for the barrel tank is included, as well as an iron lid with abrasion-resistant rubber lining for long-term polishing.

*The cross-sectional shape of the barrel tank can be customized to suit your needs, not just hexagonal, but also octagonal, circular, and other shapes.



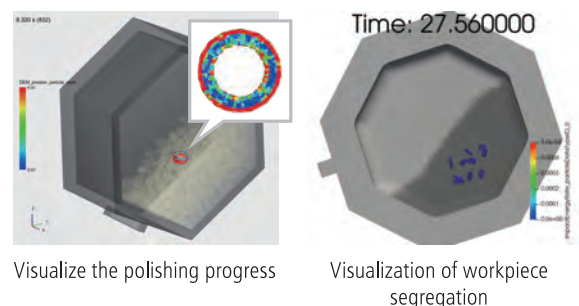
+1 Barrel polishing - Contract analysis as a service

Clearing the unknowns of barrel polishing.

By combining polishing tests with the FH-3 and theoretically based polishing prediction simulations, more detailed analysis is possible.

Benefits of contract analysis

- By making containers and particles transparent, it is possible to observe the state of the workpiece within the flow
- Flow speed, polishing amount, and damage can be quantified, making side-by-side comparisons easy
- There are no restrictions on container shape, rotation speed, workpiece and media type settings



Visualize the polishing progress

Visualization of workpiece segregation



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