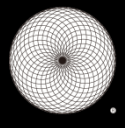




# ISHIKAWA



Stirring Grinding  
Mixing Pounding

Adjustment of analysis materials

Grinding and mixing of infinitesimal amount materials

## ISHIKAWA grinding mixer AGA type (agate mortar)

- Since A G A type has precise and powerful crushability, it is suitable for creating analysis materials and grinding and mixing infinitesimal amount of materials.  
Having a function to process under the fixed duration of time and process, possible to create the data of identical grinded ingredients. Useful to create precise compared data.
- Depending on the hardness of tested ingredients, possible choose the mortar and pestle top from agate, Alumina, tungsten carbide (they should be the same type).
- It's possible to install a case (stainless tambour and wooden frame glass) digital timer by an option.

### Features of ISHIKAWA grinding mixer

ISHIKAWA grinding and mixer is the only machine that can “stir”, “mash-crush”, “mix”, and “pounding” simultaneously in the world. With the unique fundamental structure enables to high density uniformly particle size and mixing, and it contributes to the fished products. We received acclaim from many customers our method led to save processing time and energy.



\*Photo with options. Aluminum frame case and digital timer.

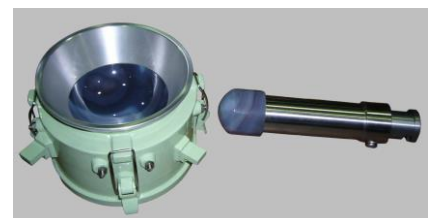
### Specifications

style	Rotation method	mortar			Outer machine size			Power source single phase 100V (kW)	# of pestle	spatula	weight (kg)
		Inner radius (mm)	depth (mm)	volume (ℓ)	length (mm)	width (mm)	height (mm)				
AGA type	FR type(※1)	See below			410	470	1180	0.2	1	N	85

※rotation method “FR type” : no mortar rotates. A function gear torque has evolve and rotate a pair of pestles and rotate each pestle separately.

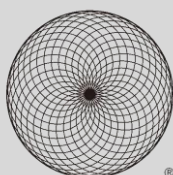
### <Materials and features of mortar pestle top> ※Both volume 0.05ℓ

	Inner radius (mm)	depth (mm)	features
agate	120	30	The same hardness as porcelain. Superior to friction resistance. Suitable for analytical purposes.
Alumina	120	30	Harder. Suitable for crushing higher hardness ingredients. High chemical resistance.
Tungsten carbide	140	63	The hardest and chemical resistance in out products. Suitable for analytical purposes.



▲Photo shown agate mortar (with mortar holder), agate pestle top

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