

ISHIKAWA is a 100 years company with trust and tradition which covers various needs as stirring  
 • grinding from food to medicine, chemicals and hightechnology areas.

# D18S/D20S

Porcelain mortar pestle is the basic structure. It is suitable for research and development as well as relatively small scaled processing up to 0.4 l.

Stirring/Grinding/Mixing/Pounding



D18S



Photo①



- Processing machine with mortar and pestle. Porcelain texture is durable for chemicals ; suitable for processing medicine and cosmetics.
  - Since inverter and timer are installed, this machine enables to set variable speed rotation and operation time; which makes adjustment more precise.
  - The main body is all stainless, usage in the clean room is possible.
  - Portable type. It can be moved easily and can be placed in any space.
- A3 size paper space is enough to place this machine.

### <Other features>

- With easily detachable anti shatter cover with magnet!
- Dust-proof type pestle which rarely needs maintenance (Photo①)
- ※ Oil seal is attached on the metal cap which avoids ingredients from entering.
- Teflon stirring spatula installed!
- Duty ration over rating torque can be displayed.
- Belt less torque; no need to exchange or adjust tension.
- Safety device is installed. This machine would not start without attaching the anti shatter cover.

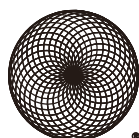
### Features of ISHIKAWA grinding mixer

ISHIKAWA grinding mixer is the only machine in the world that can "stir", "mash-crush", "mix", and "pound" simultaneously. With the unique basic structure, it enables high density particle size uniformity and mixture uniformity, which contributes to the products' quality improvement. We receive good reputation from our customers that this machine saved their operation time and energy.

### ■ Specifications

Type	Rotation method	Porcelain mortar			Outer machine size			Power source phase 100~120V (kW)	# of pestle	spatula	Weight (kg)
		Inner radius (mm)	depth (mm)	volume (l)	length (mm)	width (mm)	height (mm)				
D18S	OR type (※1)	203	114	1	450	295	465	60	2	Y	30
D20S		254	140	2	540	330	550	120	2	Y	40

(※1) Rotation method "OR type": No mortar rotates but the pestle evolve and rotate.  
 ※ Measurements of porcelain products might have some differences from the chart.



The pioneer of grinding

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ISHIKAWA grinding mixer can stir, mash-crush, mix, and pound simultaneously.  
 ISHIKAWA, with its 100years history and tradition, supports various needs as stirring and grinding in areas from food to high technology.