

Container Rotating Mixer

HARD MIXER SERIES

SOSEY

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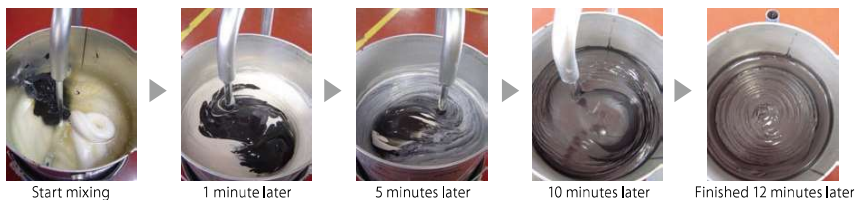
<https://www.osey.co.jp/>

From low- to high-viscosity materials
We can help with a full range of customer needs

Hard Mixer Series

What is Hard Mixer ?

A mixer created from the idea of fixed vanes and with a rotating container.
With very little entrainment of gas seen with the conventional vane rotation type mixer, this device is able to mix uniformly in a short time.



KARUMAZE

The lightest mixer in the industry
High-functioning resin body!
Simple, easy-to-see LED digital panel!
Timer is standard equipment!
END display at the completion of mixing!

- ⊕ Use
Exclusively for sealing material



DERAMAZE

Container rotating type
high-viscosity mixer used at
construction sites and plants.
Container rotating type
prevents gas inclusion
Corresponds to diverse options.

- ⊕ Use
•Kneading of resin mortar
•Mixing urethane, epoxy and silicone
•Preparation for high-viscosity grease



Full-Mix SD

Shake and mix,
a mixer designed with new ideas!
Mixing vane is not used,
which means no hassle
washing vanes.

- ⊕ Use
•Dispersion of filler
•Diffusion of sedimented pigment
•Fluidization of pudding-like materials



MINIMAZE

Can be mounted up to 90φ to 180φ
in outer diameter and 220mm in height.
Equipped with a variable speed
function that can handle liquids
of a wide range of viscosities.

- ⊕ 用途
•For printing ink
•Mixing resin for electronic materials
•Dispersion of sediment

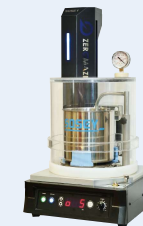


Vacuum Hard Mixer Series

Vacuum Hard Mixer Series equipped with vacuum pump.
Improved work efficiency with simultaneous mixing and degassing



- ⊕ Use
•Mixing screen ink
•Degassing and mixing adhesives
for electronic parts
•Degassing and mixing
silicone rubber









ZEROMAZE



ZEROMAZE-20

Hard Mixer Series Selection Table/Specification List

Material used	Sealing material	Other materials				
Vacuum degassing	NO				YES	
Compatible models						
	KARUMAZE	DERAMAZE	Full-Mix	MINIMAZE	ZEROMAZE	ZEROMAZE-20
Container size	4L or 6L	20L pail	18L drum (square drum) 20L pail	Select from 1L or 2L, 3L	Select from 1L or 2L, 3L	20L pail
Timer	99 minutes (Reservation 999 minutes) Digital	15 minutes (Continuous operation possible) Analog	15 minutes (Continuous operation possible) Analog	99 minutes Digital	99 minutes Digital	99 minutes Digital
Container rotating direction	Automatic reversed rotation	Right rotation	Automatic reversed rotation	Automatic reversed rotation	Automatic reversed rotation	Automatic reversed rotation
Container rotation speed	45rpm (Fixed speed)	50rpm(50Hz) 60rpm(60Hz) (Fixed speed)	Automatic rotation: MAX 112rpm Revolving rotation: MAX 56rpm (Variable speed)	Max100rpm (Variable speed)	Max100rpm (Variable speed)	Max60rpm (Variable speed)
Weight	9.8kg	43kg	85kg	14kg	28kg	150.5kg

- Required power supply is 100 VAC.
■ Some materials may be hard to mix. Feel free to inquire with us.
■ The equipment is not water- or explosion-proof.
■ Special specification devices and special-order options are available. Inquire with our sales representative.

Example of special specifications



100LJ



TR-14RJ



UV-100L-RJ

※Specifications and outside appearance may change without advanced notice

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Mixer specifically for sealing material required for caulking work at construction site.
Lightweight and durable. Prevents construction error with high luminance LED display.

The lightest in the industry!! Exclusively for sealing material Container Rotating Mixer

カラムゼ KARUMAZE

⊕ Use
Exclusively for sealing material



POINT 1 Lightweight unit is easy to carry!!

The lightest in the industry weighing only 9.4kg(※)
Reduces load at construction site.
※Weight includes exclusive resin vanes.



POINT 2 Digital panel of easy operation!!

Digital panel that is easy to see in dark places.
Function that announces when mixing is complete.



POINT 3 Using high-functioning resin that is shock-resistant!!

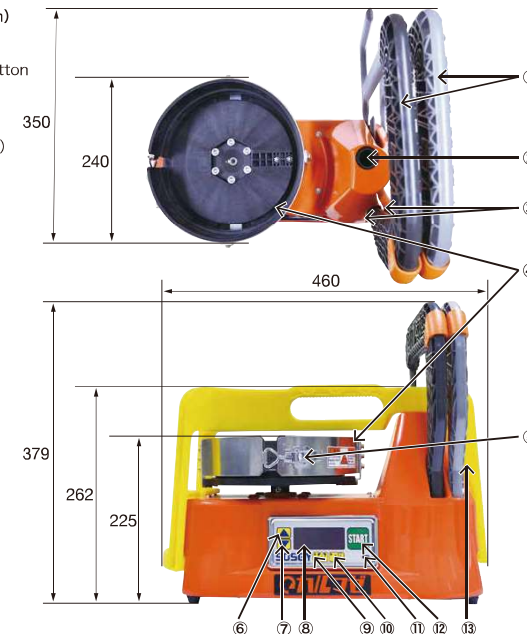
Light and durable resin vane exclusive for this unit.
Evenly mixes high-viscosity material.



HARD MIXER SERIES [KARUMAZE]

■ Dimensions / Part Names (Unit: mm)

- | | |
|----------------------------|---|
| ① Dedicated resin vane | ⑧ Timer display |
| ② Mixing vane entry area | ⑨ Reservation mode button |
| ③ Mixing vane storage area | ⑩ Mixing mode button |
| ④ Rotary tank holder | ⑪ Mixing mode button |
| ⑤ Holder lock (Adjustable) | ⑫ Start/Stop button (Long press to reset) |
| ⑥ Timer UP button | ⑬ Carry arm |
| ⑦ Timer DOWN button | |



● Stable mixing available throughout Japan!

The unit can be used in all power frequency regions (50Hz area/60Hz area)

● Compatible with former models!

Iron vanes and container holders of former model LR-II/AR-II can be used.

● Comes with carry arm for transport

The unit can be carried with one hand into the construction site



KARUMAZE site

Attention: The resin vane can only be used for KARUMAZE.

■ Standard Specifications

Attachable container	Sealing can φ217 only
Mixing vane	Comes with 1 resin vane each (4L/6L)
Power supply/Electric capacity	100V・5A
Mixing motor	100W
Container rotation speed/direction	Fixed speed (50Hz/60Hz:45rpm)/Automatic reversed rotation
Timer	Digital type, reservation 0-999 minutes
Weight	mixing 1-99 minutes (initial setting: 15 minutes)
	9.8kg (including mixing vane and carry arm)

※Specifications and outside appearance may change without advanced notice.

※The device is not explosion- or water-proof.

※Special specifications other than those noted above are available (optional).

※Please inquire with our sales representative if you wish to add optional specifications.

■ Option



Iron vane



Operation panel cover

Used at construction sites and plants!!

Container Rotating High-viscosity Mixer

Q77マゼ DERAMAZE



⊕ Use

- Mixing resin mortar
- Mixing of urethane, epoxy and silicone
- Preparation for high-viscosity grease



POINT 1

Revolution in container holders!!

Just pick up and place material drum for easy setup!!
Easy to set up on carrying area approximately 30cm from the floor!!



POINT 2

Easy to transport!!

Large casters ensure stable transport!!
Enables easy transport over uneven surfaces.



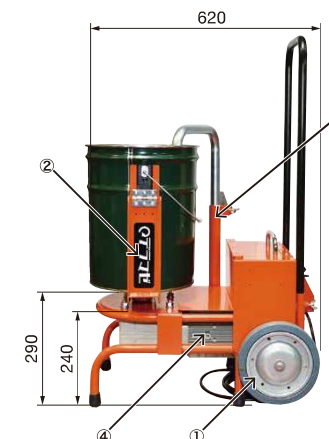
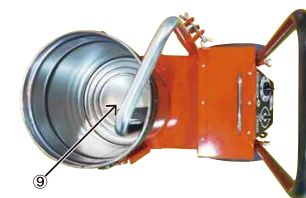
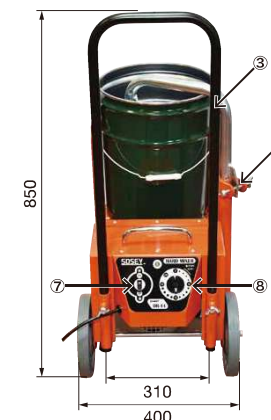
POINT 3

Possible to mix at different angles!!

Easy to adjust angle by loosening screws!!

■ Dimensions / Part Names (Unit: mm)

- ① Tires for transport
- ② DERARAKU holder
- ③ Handle for mixing angle adjustment and transport
- ④ Mixing motor
- ⑤ Butterfly bolt for fixing mixing vane
- ⑥ Support pole for mixing vane
- ⑦ Power switch
- ⑧ Mainspring, 15 minutes timer (With operation lamp)
- ⑨ Mixing vane for normal rotation



● Simple holder for container placement

Adopted DERARAKU holder for easy carrying and placement of material drum!!
Structure that holds the handle to enable straight or taper drums.

● Body with low center of gravity

Realized stability with low center of gravity! Safe to use in a construction site with bad footing

● Features handle for transport and large casters

Large casters ensure stable transport!!
Easy to carry over uneven surfaces. Able to load onto commercial vehicles!!

● Possible to mix at an angle

Possible to mix with the unit at an angle by stretching up transport handle.



DERAMAZE site

■ Standard Specifications

Attachable container	20L pail (straight/taper)
Mixing vane	With one iron vane (Select from straight can / taper can)
Power supply / Electric capacity	100V · 10A
Mixing motor	400W
Container rotation speed	Fixed speed (50Hz:50rpm / 60Hz:60rpm)
direction	Automatic reversed rotation
Timer	Mainspring, 15 minutes (continuous operation possible)
Weight	43kg

*Specifications and outside appearance may change without advanced notice.
*The device is not explosion- or water-proof.
*Special specifications other than those noted above are available (optional).
Please inquire with our sales representative if you wish to add optional specifications.

■ Option



Mixing vane for normal rotation
With Teflon® packing



Universal holder
Corresponds to container sizes
φ220 to φ300

Mixing vane not required!
Realized amazing stirring properties with automatic,
revolving and reverse movement!!

Sealed Container Rotating Mixer Full-Mix SD



POINT 1

Mixing vane not required!
Realized amazing stirring properties with automatic, revolving and reverse movement!!
Innovative "shake and mix" mixer. Eliminates the hassle of washing vanes.



POINT 2

Easy operation. Comes with safety cover!
Simple operation with consideration given to safety of operation at work site.



POINT 3

Casters enable easy transport!
The unit comes with casters for transport and use at construction sites.

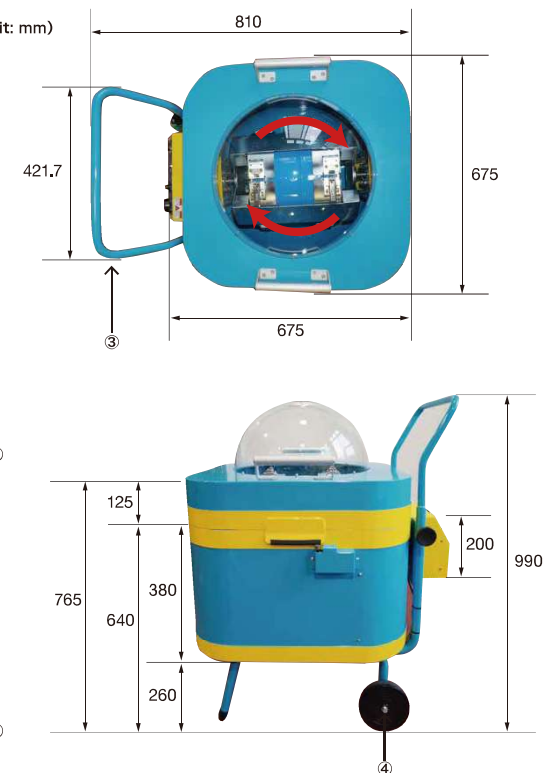


Mixing of liquid, powder, granules (pellet), etc.

HARD MIXER SERIES [Full-Mix SD]

■ Dimensions / Part Names (Unit: mm)

- ① Handle to place and remove safety cover
- ② Rubber feet
- ③ Handle for transport
- ④ Tires for transport

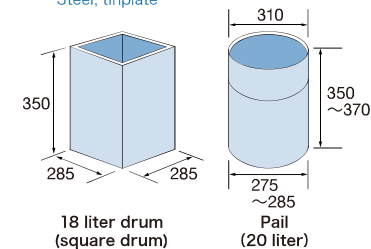


■ Standard Specifications

Attachable container	18L square drum / 20L pail (straight/taper)
Mixing vane	Not required
Power supply/ Electric capacity	100V・10A
攪拌モーター	200W
Container rotation speed/direction	Variable speed (Auto: 0~112 rpm / Rev: 0~56 rpm) / Automatic rotation+Revolving rotation
Timer	Mainspring, 15 minutes (continuous operation possible)
Weight	85kg

Possible to swiftly set container with exclusive attachment

- Compatible drum/designated materials
Steel, tinplate



18 liter drum
(square drum)

Pail
(20 liter)

(Unit: mm)

*Specifications and outside appearance may change without advanced notice.
*The device is not explosion- or water-proof.
*Special specifications other than those noted above are available (optional).
*Please inquire with our sales representative if you wish to add optional specifications.

Desktop type powerful compact mixer

HARD MIXER SERIES [MINIMAZE]

Container Rotating Compact High-viscosity Mixer



Use

- For printing ink
- Mixing resin for electronic materials
- Dispersion of sediment



POINT 1

The agitation efficiency is improved by automatic inversion and variable speed.

The mixing efficiency has been greatly improved by the automatic reversing function that rotates the container left and right and the adjustment of the rotation speed.



POINT 2

Simple, easy operation digital panel!

Adopted easy-to-see and user-friendly digital panel. Reduces setup error and the work is easier and safer.



POINT 3

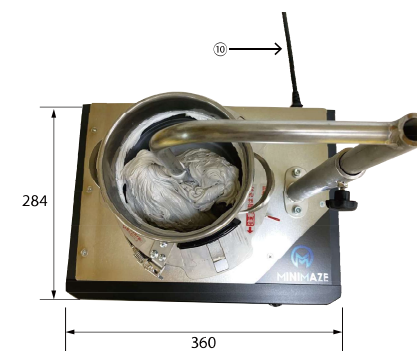
Quick preparation, and slow and careful mixing!

Also realized more than 6times the set mixing time! Take as much time as you need to mix high viscosity materials.

*Comparison with our conventional model.

Dimensions/Part Names (Unit:mm)

- ① Mixing vane
- ② Vane support pole
- ③ Mixing container
- ④ Holder for mixing container
- ⑤ Power button
- ⑥ Timer setting button
- ⑦ Timer display
- ⑧ Start/Stop button
- ⑨ Rotation speed adjustment knob
- ⑩ Power cord



Standard Specifications

Attachable container	Outer diameter φ90 to φ180 Height 220 mm
Mixing vane	With one SUS vane (Select from 1L/2L/3L)
Power supply/ Electric capacity	100V・10A
Mixing motor	100W
Container rotation speed/direction	Variable speed (0~100 rpm) /Automatic reversed rotation
Timer	Digital type, 1~99 minutes
Weight	14kg (Main unit only.Excluding vane and container.)

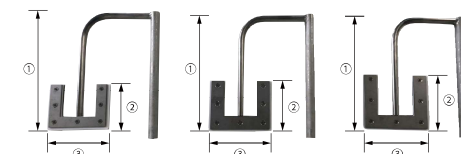
※Specifications and outside appearance may change without advanced notice.

※The device is not explosion- or water-proof.

※Special specifications other than those noted above are available (optional).

Please inquire with our sales representative if you wish to add optional specifications.

Standard Vane



For 1L

- ① Full length 250mm
- ② Vane area 87mm
- ③ Vane bottom part 114mm

For 2L

- ① Full length 250mm
- ② Vane area 100mm
- ③ Vane bottom part 124mm

For 3L

- ① Full length 250mm
- ② Vane area 111mm
- ③ Vane bottom part 134mm

Enables degassing and mixing in short time!!

Container Rotating Compact Vacuum Degassing Mixer

ZEROMAZE

HARD MIXER SERIES [ZEROMAZE]



POINT 1

Slide vacuum chamber improves work efficiency!

Vacuum chamber that used to require storage is now a slide type! Reduces required space and significantly improves work efficiency.



POINT 2

Simple, easy operation digital panel!

Adopted easy-to-see and user-friendly digital panel. Reduces setup error and the work is easier and safer.



POINT 3

Quick preparation, and slow and careful mixing!

Shortened vacuum attaining time by more than 25% to reduce the stress of waiting. Also realized more than 6 times the set mixing time! Take as much time as you need to mix high viscosity materials.

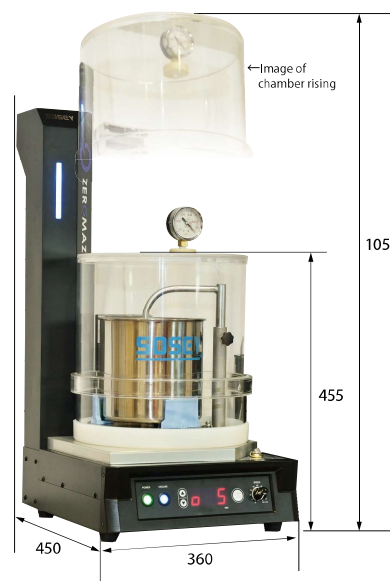
※Comparison: with our conventional model.



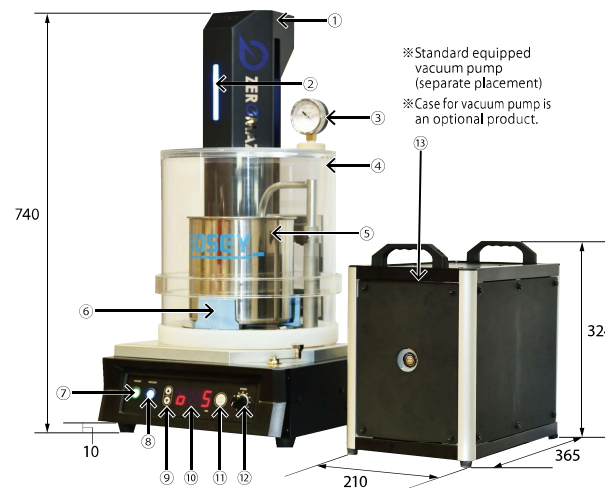
For small lot degassing and mixing, such as sealant and adhesives

■ Dimensions

／Part Names (Unit: mm)



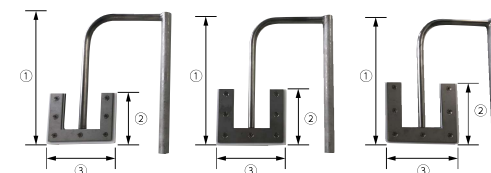
- ①Lifting pole
- ②Status display lamp
- ③Vacuum gauge
- ④Acrylic vacuum chamber
- ⑤Mixing container
- ⑥Holder for mixing container
- ⑦Power button
- ⑧Vacuum button
- ⑨Timer setting button
- ⑩Timer display
- ⑪Start/Stop button
- ⑫Rotation speed adjustment knob
- ⑬Vacuum pump unit (Separate placement)



■ Standard Specifications

Attachable container	Outer diameter $\phi 90$ to $\phi 180$ Height 220 mm
Mixing vane	With one SUS vane (Select from 1L/2L/3L)
Power supply/ Electric capacity	100V・10A
Mixing motor	100W
Container rotation speed/direction	Variable speed (0-100 rpm) ／Automatic reversed rotation
Timer	Digital type, 1-99 minutes
Weight	28.1kg (Main unit only, vacuum pump separately installed)
Vacuum pump	50Hz:50L/Min・60Hz:60L/Min
Vacuum gauge	Bourdon tube type -0.1 MPa

■ Standard Vane



For 1L

- ① Full length 250mm
- ② Vane area 87mm
- ③ Vane bottom part 114mm

For 2L

- ① Full length 250mm
- ② Vane area 100mm
- ③ Vane bottom part 124mm

For 3L

- ① Full length 250mm
- ② Vane area 111mm
- ③ Vane bottom part 134mm

※Specifications and outside appearance may change without advanced notice.

※The device is not explosion- or water-proof.

※Special specifications other than those noted above are available (optional).

※Please inquire with our sales representative if you wish to add optional specifications.

Enables mixing and degassing of large volume at the best speed!!

Contaiber Rotating Vacuum Degassing Mixer

ZEROMAZE-20



POINT 1

The operation panel is located at hand to improve workability. Easy-operate digital panel specifications. It is easy and convenient to operate. Timer set to be adopted digital panel. It reduces setting mistakes and makes work easier and more secure.



POINT 2

Uses a Dela-Raku holder! Easy set by simply lifting and placing the material can. The lifting height is also low, making it easy to attach and detach the container.



POINT 3

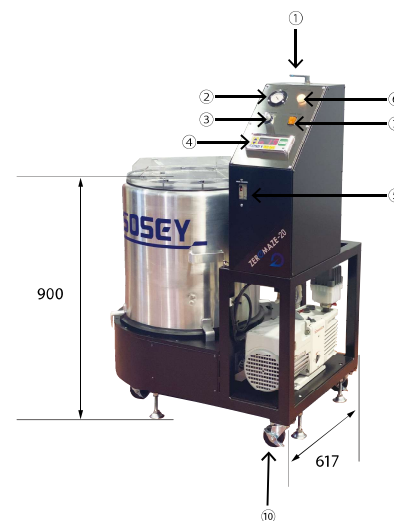
Vacuum pump placed outside Easy oil change and management. Maintenance has also become easier.

Use

- Mixing screen ink
- Degassing and mixing adhesives for electronic parts
- Degassing and mixing silicone rubber

■Dimensions/Part Names (Unit:mm)

- | | |
|--|--|
| ① Vacuum-exhaust valve | ⑦ Power lamp built-in vacuum pump switch |
| ② Vacuum gauge | ⑧ Acrylic sight window |
| ③ Speed shift knob | ⑨ Vacuum chamber |
| ④ Digital mixing timer • Mixing start switch | ⑩ Caster with stopper |
| ⑤ Power switch | ⑪ Level bolt |
| ⑥ Power lamp | |



■Standard Specifications

Attachable container	20L pail (Straight • taper)
Mixing vane	with 20L dedicated mountain-shaped iron vane (With Teflon)
Power supply/Electric capacity	100V • 15A
Mixing motor	400W
Container rotation speed/direction	Variable speed(—60rpm) • Automatic reversed rotation
Timer	Digital • 1~99minutes
Weight	150.5kg (Main unit 135.5kg+Vacuum chamber 15kg)
Vacuum pump	50Hz : 141.7L/Min • 60Hz : 166.7L/Min
Vacuum gauge	Bourdon tube type -0.1MPa

- ※ Model specifications, appearance, etc. are subject to change without notice.
 ※ It is not explosion-proof and waterproof.
 ※ All specifications other than the above are special specifications (options), so please contact our sales staff if you have any requests.

■Standard vane



■Option

◀ Balancer for handling vacuum chamber



▲ Universal type holder