

Cup Mixing System series

The combination of Rotation and Revolution uniformly stirs a lot of types of materials.
Vacuum or Nonvacuum type is selectable on the capacity.

Powerful Stirring and Defoaming by Rotation and Revolution

Vacuum Type : Remove submicron bubbles as well as Mixing.

COD-3V
300cc (2 cups)

1000RPM

Rotation Angle
Fixing Type



Full of Unique Functions for Easy-to-use

Unique functions as Rotation & Revolution mixer are built-in Nonvacuum Type.

One-size-fits-all adapter

No need to weigh materials, depending on its weight, the balance is automatically adjusted.

Automatic Balancing Function

Allows to use various size of cups (10cc~120cc) with one size adapter.

Nonvacuum Type : Standard Type for Uniform Stirring & Defoaming with Rotation & Revolution.



AB-1
Max. 10~250cc (1 cup)

ABC-1
Max. 10~120cc (1 cup)



2000RPM

Automatic
Balancing Function

One-size-fits-all
adapter

Rotation Angle
Fixing Type

Model	COD-1V	COD-3V	AB-1	ABC-1
Mixing Method	Rotation Variable Angle Method		Rotation Angle Fixing Method	
Max. Number of Cups	2pcs.		1pc. (with Automatic Balancing Function)	
Mixing Capacity per Cup	10~100cc	10~300cc	10~250cc	10~120cc
Cup Size	10~100cc	10~300cc	10~250cc	10~120cc
rpm	Revolution	100~1000rpm	100~1000rpm	300~2000rpm
	Rotation	1/2 of Revolution Speed	0~800rpm (variable)	1/2.3 of Revolution Speed
Max. Vacuum Pressure	0.5KPa		N/A	
Operation Settings	Operation Stage Setting (rpm · Time · Vacuum)		rpm · Time	
Memory Functions	Memorize 9 Operation Settings			
Safety Functions	Door Lock during operation · Stop when Abnormal Vibration is Detected · Signal Tower (option, for COD series only)			
Power Supply	AC100~240V 50/60Hz			
Power Consumption	20W during standby, 800W during operation		50W during standby, 700W during operation	
Outer Dimension	450(D) x 385(W) x 627(H)mm	340(D) x 405(W) x 385(H)mm	300(D) x 300(W) x 355(H)mm	
Weight	Approx. 60kg		Approx. 25kg	Approx. 20kg

* The specifications are subject to change without notice.

Spiral Viscometer
Soldering Process Devices

Representative

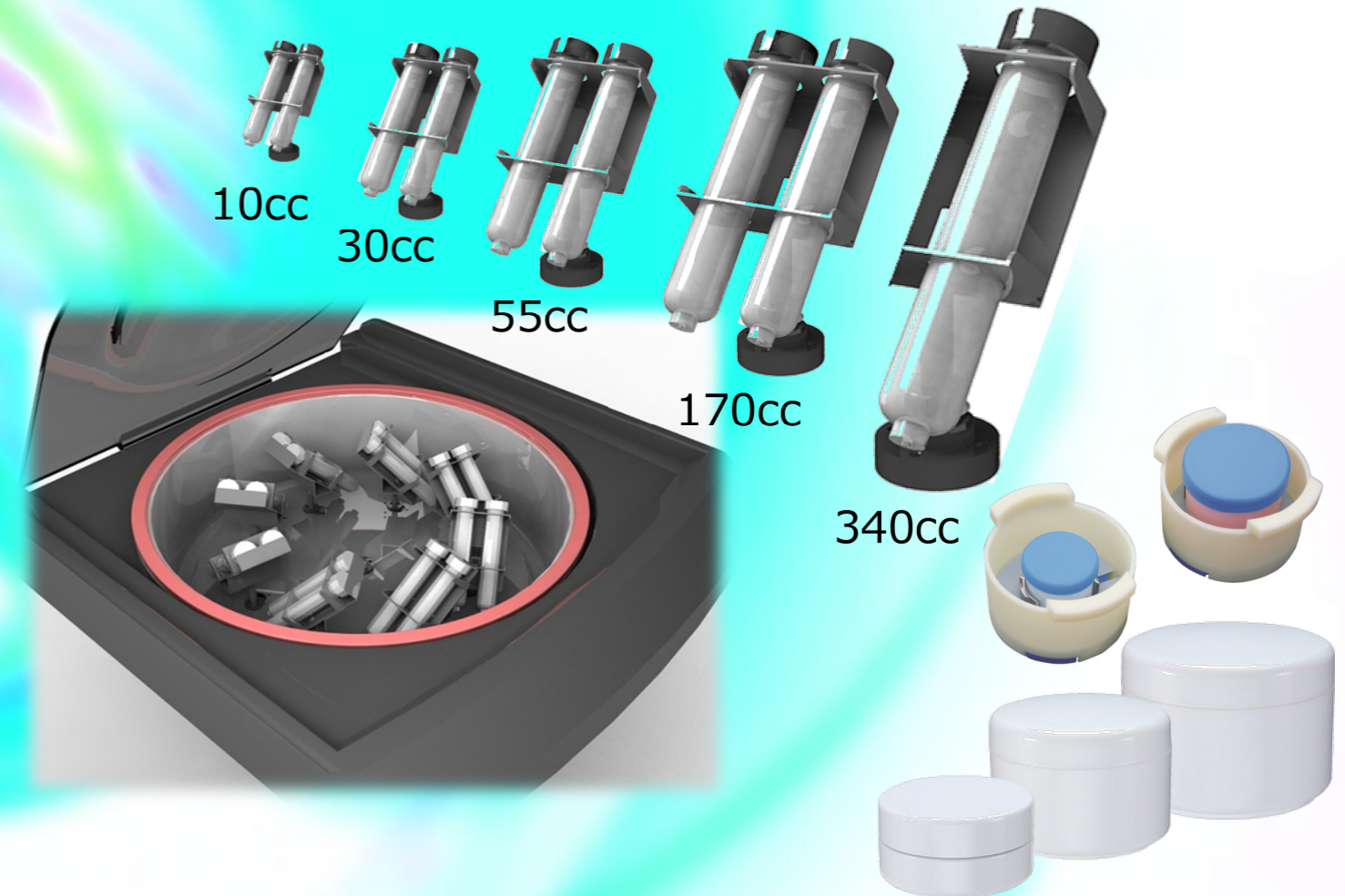
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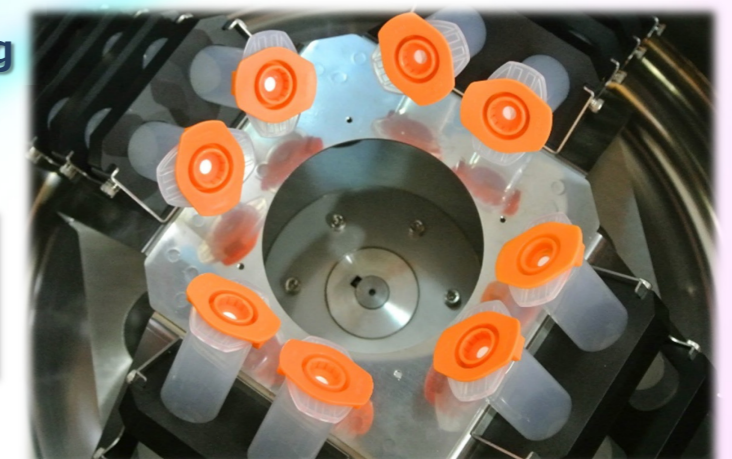
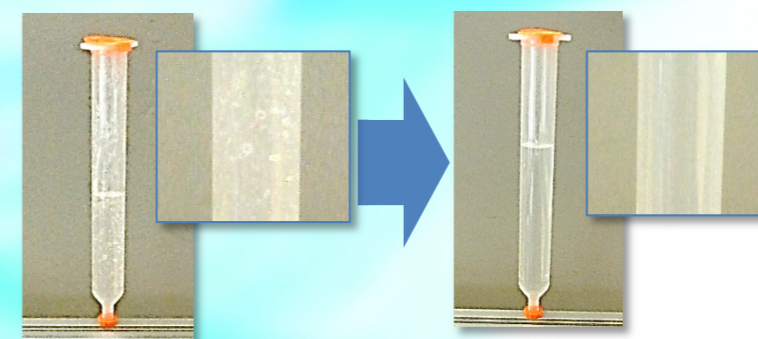
Vacuum Mixing System series

Stir & Defoam for Syringes or Cups



New Product ! Syringe Vacuum Centrifugal System

Vacuum and Centrifugal defoaming functions realize efficient defoaming of one humoral material.



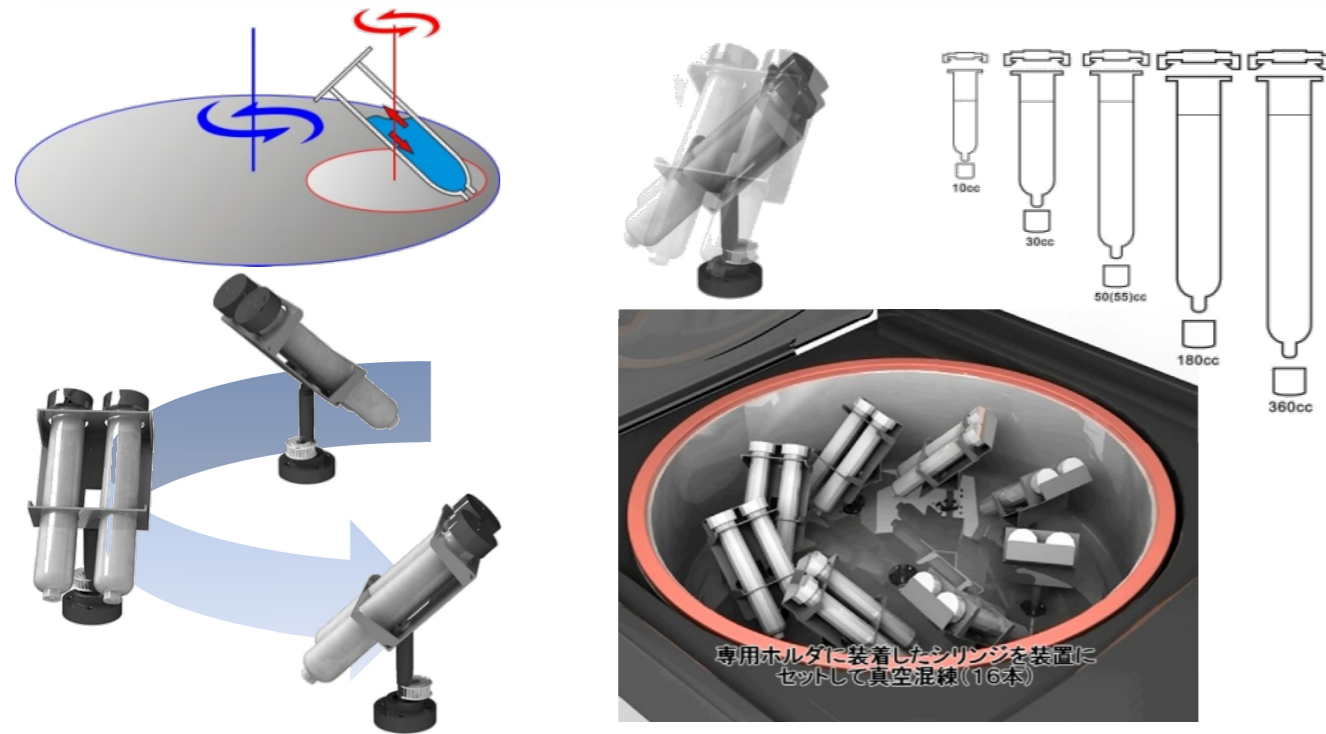
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|---------------|-----------------|----------------------|-----------------------------------|------------------|
| LED Materials | Solder Paste | Organic EL Materials | Insulation Paste | Conductive Paste |
| LCD Materials | Solar Batteries | Carbon Materials | Drug Development & Pharmaceutical | Adhesive |

Syringe Mixing Defoaming System series

World's First, Uniformly Stir & Defoam the materials having different specific gravity in Syringes. Process Shortening & Making good use of LED materials. NEW Vacuum Centrifuge Defoaming System has newly released.

■ Excellent Mixing Performance

- Unique Rotation Variable Angle Method is employed for all models.
- The materials moves up and down enough in syringes, which stir the materials having different specific gravity. Malcom's method enables for the uniform dispersion of phosphor & liquid in a syringe, impossible in the past.

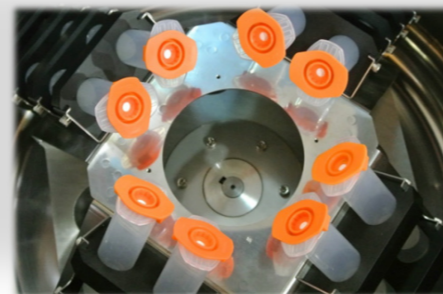


■ Transfer from Container to Syringe is Unnecessary Making good use of precious materials, free from Air involving.

- Stirring and Defoaming in a syringe omits the transfer process from a container to a syringe, making good use of precious materials left in a cup.

NEW ! Vacuum Centrifuge Defoaming System SY-8VCF

- Powerful defoaming with Vacuum function & Centrifuge force.
- Rotation Angle Fixing Method realizes Little Temperature Rise.
- Powerful Defoaming of Adhesive, Conductive Paste, Epoxy resin & etc.
- Compact size & 70cc size syringes are available.



LINE UP

Available mixers for 5cc~360cc syringes. Select the type depending on the syringe size, Tact system, types with or without Vacuum and etc. at the production site.

Vacuum 5~30CC



SY-2V
Standard type

Vacuum 5~55CC



SY-8V
For Large-scale production

Vacuum 5~360CC



SY-36V
Large Capacity type with 360cc(2pcs.)

Model	SY-2V	SY-8V	SY-36V	SY-8VCF
Mixing Method	Rotation Variable Angle Method			Rotation Angle Fixing Method
Max. Number of Syringes	10cc x 4pcs. or 30cc x 2pcs.	10cc x 16pcs. or 30,55cc x 8pcs. 180cc x 2pcs. (option)	70cc x 4pcs. or 180,360cc x 2pcs.	10cc x 16pcs. or 30,55,70cc x 8pcs.
Mixing Capacity per Syringe	5~30cc	5~55cc (180cc is option)	5~360cc	5~70cc
Adapter	10cc x 2pcs. or 30cc x 1pc.	10cc x 4pcs. or 30,55cc x 2pcs.	70cc x 2pcs. or 180,360cc x 1pc.	10,30,50,70cc x 2pcs.
Number of Adapters	2pcs.	4pcs.	2pcs.	8pcs. (10cc) 4pcs. (30, 50, 70cc)
rpm	Revolution	300~1000rpm	300~700rpm	100~400rpm
	Rotation	1/2 of Revolution Speed	1/2.4 of Revolution Speed	1/6.3 of Revolution Speed
Max. Vacuum Pressure	0.5KPa			
Operation Settings	Operation Stage Setting (rpm · Time · Vacuum) 3~10 step setting is possible.			
Memory Functions	Memorize 10 Operation Settings			
Safety Functions	Door Lock during operation · Stop when Abnormal Vibration is Detected · Signal Tower (option)			
Power Supply	AC100,120,220,240V 50/60Hz			
Power Consumption	30W during standby, 1kW during operation			
Outer Dimension	450(D)x385(W)x627(H)mm	645(D)x580(W)x910(H)mm	693(D)x630(W)x1080(H)mm	645(D)x580(W)x910(H)mm
Weight	Approx. 60kg	Approx. 130kg	Approx. 150kg	Approx. 140kg

Automatic Syringe Liquid & Phosphor Dispensing System

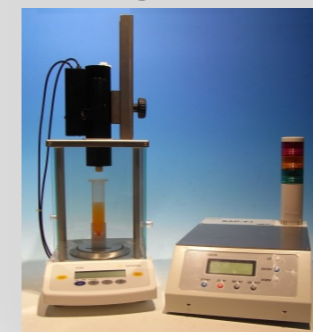
Dispensing Phosphor & Silicon

■ High Accuracy Dispensing

Control Phosphor & Liquid with newly-developed dispensing cartridge for each material. The dispensing accuracy for Phosphor is ±0.3mg, for Liquid, ±1mg.

■ Customize the system configuration to production site

Depending on the production tact, materials & etc, selectable from Manual, Semi-automatic & Automatic types. Customize the system configuration to your purpose and budget.



● Semi-automatic type **SAP-S1**



● Automatic Type (Configuration example) **SAP-1 M6**

