



World-class powerful shaking performance with 500rpm in max.

Shakers

(Dual Action, General, Program)



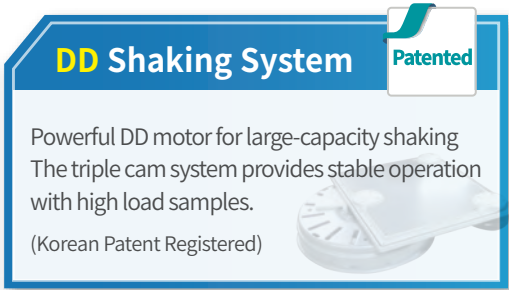
About Us

Jeio Tech Shakers

Powerful shaking performance with 500rpm in max

Structural Functional Features

- World-class powerful shaking performance with 500rpm in max.
- OS-7000, SKC Models:**
Application of DD(Direct Drive) motor and Triple Cam System allow a stable shaking speed at heavy loads.
Provides high torque, low vibration and stable shaking at high speed level. (5-year warranty for DD motor)
- OS-2000, OS-3000, OS-4000 models:**
Application of BLDC motor & belt system selectable orbital/ reciprocal motion. Compact and powerful shaking.
- Applied the inventive control system developed by Jeio Tech's technology, allowing control the precise speed for all the speed range.
- Provides a variety shaking amplitude to select a suitable model depending on the application.



Use Convenience Features

- Intuitive and convenient operation.
 - Display all information of operation on a clear VFD panel.
 - Easy and convenient control with a smooth Control Knob.
- Accurate timer.
 - OS Models: Count-down timer up to 999hr 59min.
 - SKC Models: Wait on/off timer up to 99hr 59min.
- PC communication via USB or RS-232 connection and convenient control and the data management via dedicated software. (OS series)
- Monitor via mobile app anytime, anywhere with LC Connected. (mobile monitoring system) (when purchased LC GreenBox) (OS series, option)
- Program operation with 20 patterns and 20 segments. Time, rpm, and orbital direction can be set for each segment. (SKC series)



Intuitive display. (VFD display)



Mobile monitoring and control via mobile application. (Option)

Outstanding Safety

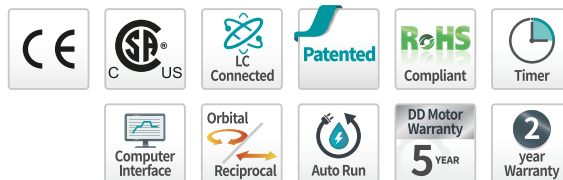
- Auto-protection to control the motor operation when the over-current occurs.
- Real-time self-diagnostics to check equipment for abnormal conditions.
- Alarm from monitoring actual rpm error relative to the set rpm.



RPM deviation alarm.

Shaker

Dual action / General type (model: OS)



Optimized model configuration

- A wide range of models from small to large. (four sizes of platform)
- Speed range of 20 to 500rpm.
- Applies four different shaking diameters. (amplitudes)
- Dual Action model. (orbital/reciprocal motion)
- Accessories for shared use.



USB & RS-232 port (only OS)



A wide choice of accessories depends on the samples.



OS-3000

with Universal Platform, Flask Clamp (Option)

General type for shaking the large volume up to 50L.

- Enable a stable shaking at heavy loads thanks to DD(Direct Drive) motor. (5-year warranty for DD motor)
- Select 20L or 50L holder sponge depending on the sample volume. (Available for a custom order)



OS-7200

with Heavy Duty Holder (option) + 1 hole-Holder Sponge (option)



Watch the large volume shaking

Controllable rpm according to water weight

Model	Holder sponge	Water weight (L)					
		0	10	20	30	40	50
OS-7100	20L x 2	300	280	180	160	160	-
	50L x 1	300	190	150	130	130	130
OS-7200	20L x 2	210	180	160	150	150	-
	50L x 1	210	140	120	110	100	100

Specification

Model	OS-2000	OS-3000	OS-4000	OS-7100	OS-7200
Shaking system					
Motion type	Dual Action (Orbital/Reciprocal)	Dual Action (Orbital/Reciprocal)	Dual Action (Orbital/Reciprocal)	Orbital	Orbital
Speed range (rpm)	20 to 500	20 to 500	20 to 500 (Orbital) / 20 to 450 (Reciprocal)	30 to 500	30 to 300
Max. speed per permissible load ¹⁾	500rpm (max. 10 kg) 300rpm (max. 16 kg)	500rpm (max. 10 kg) 300rpm (max. 18 kg)	Orbital: 500 (max. 14kg), 400 (max. 21kg) Recipro.: 450 (max. 10kg), 300 (max. 21 kg)	500rpm (max. 10 kg) 400rpm (max. 30 kg)	300rpm (max. 23 kg) 250rpm (max. 35 kg)
Amplitude size (mm / inch, dia.)	19.1 / 0.8 (default) (12.7 / 0.5 available)	19.1 / 0.8 (default) (25.4 / 1 available)	19.1 / 0.75 (default) 25.4 / 1 (available)	25.4 / 1	50.8 / 2
Speed stability ²⁾ (rpm, %)	±1	±1	±1	±1	±1
Timer (count-down)	999hr 59min	999hr 59min	999hr 59min	999hr 59min	999hr 59min
Dimension					
Platform (W x D, mm / inch)	320 x 260 / 12.6 x 10.2	350 x 350 / 13.8 x 13.8	450 x 450 / 17.7 x 17.7	755 x 520 / 29.6 x 20.5	
Body (W x D x H, mm/inch)	354 x 388 x 146 / 13.9 x 15.3 x 5.7	409 x 508 x 141 / 16.1 x 20 x 5.6	510 x 632 x 156 / 20.1 x 24.9 x 6.1	755 x 627 x 151 / 29.7 x 24.7 x 5.9	
Net weight (Kg / lbs)	22 / 48.5	28 / 61.7	43 / 94.8	117 / 257.9	
Electrical requirements (230V, 50/60Hz, A)	0.3	0.3	0.3	0.4	
Cat. No.	AAH3D1115K	AAH3D1215K	AAH3D1315K	AAH3D1415K	AAH3D1515K
Electrical requirements (120V, 60Hz, A)	0.6	0.6	0.6	0.8	
Cat. No.	AAH3D1165U	AAH3D1265U	AAH3D1365U	AAH3D1465U	AAH3D1565U

1) In Orbital Shaking mode, regarding the maximum controllable rpm and amplitude by weight, the measurement is performed based on the default value.

2) Actual rpm allowable error for set rpm (1rpm if setting is less than 100rpm, ±1% if setting is higher than 100rpm)

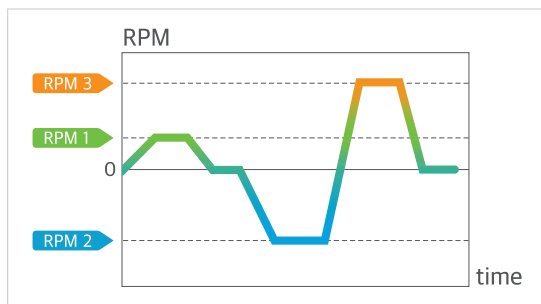
Shaker

Program type (model: SKC)



Differentiated Program Operation

- 20 patterns can be saved.
- 20 segments can be set per pattern.
- Time, rpm, and orbital direction can be set for each segment.
- Includes up to 99 repeat operations.



SKC-7000 Series

with Universal Platform, Flask Clamp (option)

Large Capacity

- The widest platform size among Lab Companion shakers.
- 102 pieces of 250ml flasks can be mounted at once. (when using the Dual platform)
- Dual platform mountable. (Only flasks less than 250ml can be mounted on the bottom part)

STS flask clamp volume	SKC-7000 Series	
	755 x 520 (Small)	885 x 520 (Large)
50 mℓ	108 (216)	126 (252)
100 mℓ	72 (144)	84 (168)
250 mℓ	42 (84)	51 (102)

*The number in parenthesis is in case using the Dual platform.

Max quantities of flask clamps on the platform.



Double quantities are possible to be installed when using the Dual platform.

Specification

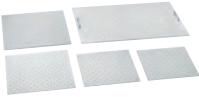
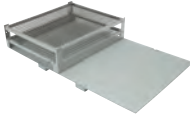
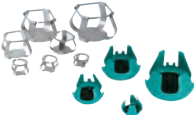
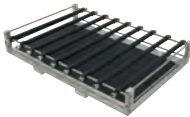
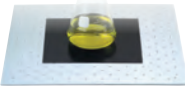
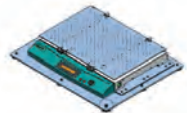
Model	SKC-7075	SKC-7100	SKC-7200
Shaking system			
Motion type	Orbital	Orbital	Orbital
Speed range (rpm) ¹⁾	30 to 500	30 to 500	30 to 500
Max. speed per permissible load ²⁾	350rpm (max. 13kg) 310rpm (max. 28kg)	340rpm (max. 13 kg) 260rpm (max. 28 kg)	250rpm (max. 13 kg) 200rpm (max. 28 kg)
Amplitude size (mm / inch, dia)	19 / 0.8	25 / 1	50 / 2
Speed stability ³⁾ (rpm, %)	±1	±1	±1
Timer (wait on/off)	99hr 59min	99hr 59min	99hr 59min
Dimension			
Platform (Small, W x D, mm / inch)	755 x 520 / 29.7 x 20.5		
Platform (Large, W x D, mm / inch)	885 x 520 / 34.8 x 20.5		
Exterior (W x D x H, mm / inch)	754.8 x 662 x 122.2 / 29.7 x 26.1 x 4.8		
Net weight (kg / lbs)	75 / 165.4	75 / 165.4	75 / 165.4
Electric requirements (230V, 50/60Hz, A)	0.4	0.4	0.4
Cat. No.	AAH30205K	AAH30215K	AAH30225K
Electric requirements (120V, 60Hz, A)	0.8	0.8	0.8
Cat. No.	AAH30206U	AAH30216U	AAH30226U

1) 350 to 500rpm applies when separately purchased options are mounted. (lab sticker or weight increaser)

2) The maximum controllable rpm by weight in Orbital Shaking mode.

3) Actual rpm allowable error for set rpm (1rpm if setting is less than 100rpm, ±1% if setting is higher than 100rpm)

Accessories for Shaker

Universal Platform		Set Accessories	
	Universal Platform Basic accessories required to use Erlenmeyer flasks, test tubes, separated funnels, etc.		Spring Wire Rack Fixed with 2-stage grid springs to accommodate various sample container shapes.
	Dual Universal Platform Maximum sample loading possible with two-stage structure. (SKC-7000 models only)		Half Spring Wire Rack For SKC-7000, half type can be used that providing both a Universal Platform and Spring Wire Rack.
Accessories for Universal Platform			Dedicated Platform Accessories (250 ml, 500 ml) installed on platform with maximum quantity of flask clamps.
	Flask Clamp (STS / Plastic) Erlenmeyer flask mounting (50ml – 6L) High-strength spring maintains excellent clamping.		Rubber Mat Convenient for use with culture bottles and petri dishes with rubber plate to prevent slipping on the floor.
	Starter Kit Consisting of plastic clamps that are commonly used on Universal Platforms. 50ml, 100ml, 250ml, 500ml, 1L, 2L.		Universal Attachment Floor rubber plate and adjustable clamping rod make it a convenient structure for a wide range of applications.
	Funnel Clamp Separated funnel mounting (250 ml - 2L) Easy detachment/attachment and stable clamping.		Microplate Tray (Dual Stacking Tray) Dual stacking structure for microplate allows for excellent space utilization. (OS-2000)
	Test Tube Rack Test tube mounting (Φ8 mm - Φ35 mm) Easily adjustable angle.		Microplate Tray (Large Tray) The tray for microplates with anti-slip rubber plate on the bottom. (OS-2000)
	Microplate Holder Various options for Microplate Single, Tower, Flat A (Large), Flat B (Small)		Stage Rack The rack maximizes space efficiency by stacking up to four shakers. (OS-3000/4000/7000)
	Lab Sticker Excellent adhesion as size is 200 x 200mm, allowing for application to petri dishes, culture bottles, etc. Temp. Range (°C): 15-60 Max. Speed (rpm): 250		Weight Increaser Accessories allowing for use of SKC models shaker up to 500rpm.

※ Please refer to the website or ask your sales representative to be informed of the available rack types and clamp quantities on the Universal Platform and Spring Wire Rack.

LC Connected	
	LC GreenBox Real-time monitoring of device operation via mobile app. Up to 4 devices can be connected. (OS models)

Jeio Tech Shakers and Stirrers



Shaker, Dual action

- Orbital/Reciprocal motion selection.
- Powerful shaking with BLDC motor.



Shaker, General type

- Applied DD motor, stable shaking even with high load samples.



Shaker, Program type

- Convenience operation with Program control mode.



Shaker, Compact type

- Compact design allowing use within 2~60°C chamber.



Microplate Shaker

- Suitable for sample mixing for microplates, tubes etc.



Rocking/Waving Shaker

- Convenience use with the angle adjustment of motion and count-down timer.



Rotator

- Large quantities sample could be mixed at once when loading 2-stage disk.



Overhead Stirrer

- Powerful torque motor.
- Safety function for overheating and overload.



Hotplate & Magnetic Stirrer

- Excellent heat transfer due to heater-integrated structure.
- Safety features to protect the user and device.



Magnetic Stirrer

- Stable stirring even at a high speed.
- Silicone cover prevents slippage of glassware.



Magnetic Stirrer, Multi Position type

- Available to control the stirring speed and timer independently for each position.
- Another model depends on the heating function.



Vortex Mixer

- Low-profile design for stability at high speeds.
- Various accessories.

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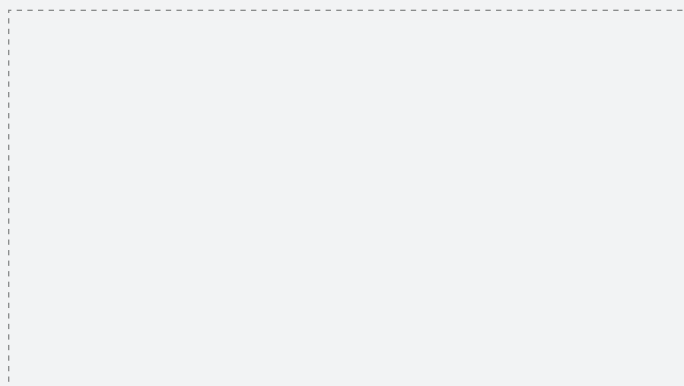
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