



# FLOOR STANDING SHAKING INCUBATOR BJW-1602

# FLOOR STANDING SHAKING INCUBATOR BJW-1602

STACKABLE REFRIGERATED SHAKING INCUBATOR, HIGH CAPACITY



7" LCD Touch Screen: Displays and sets temperature, humidity, CO<sub>2</sub>, speed, and time on a single interface. Includes an encrypted lock and alternative shaking platform rotation.

Data Recording & Analysis: Records up to 5 years of data including temperature, CO<sub>2</sub> concentration, and humidity curves, with a USB interface for easy export.

Automatic Humidity Control (Optional): External humidity control module replenishes R.O or distilled water and vaporizes it to high-temperature steam into air duct, reaching humidity up to 90%.

Advanced Refrigeration & Defrost: Adjustable cooling for precise temperature control with timed defrost to prevent freezing during extended low-temperature operation.

Adjustable Heating Power on Door Glass and Frame: Optimizes temperature and ener

## SPECIFICATIONS

Model	BJW-1602
Layers	2
No-load shakingspeed	10 ~ 300rpm(Φ26mm);10 ~ 250rpm(Φ50mm)
shaking speed accuracy	±1rpm
Orbit diameter	Φ26mm(standard), Φ50mm(optional)
Temperature control range	4 ~ 60°C(RT at 23°C~25°C)
Temperature control accuracy	±0.1°C
Temperature uniformity	±0.5°C(at 37°C)
Display screen	7" LCD (touch screen)
Connection mode	Forced convection
Control mode	P.I.D microcomputer intelligent control
Maximum capacityof each layer(plastic clamp)	250mlx60 or 500mlx40or 1000mlx23 or 2000mlx15
Maximum capacityof each layer(stainless steel clamp)	250mlx66 or 500mlx45or 1000mlx28 or 2000mlx15or 5000mlx8
Timing range	0-999.9hours
Shaking platform size	928mmx530mm
Standardconfiguration	Plastic clamp/S.S clamp/sticky mat/spring holder
Power Supply	AC220±10%, 50 ~ 60Hz
Overall Dimensions(WxDxH)	1360mmx820mmx1430mm
Overall Dimensions(L*W*H)	428kg
Noise level	Below 65dB
Distance from shakingplatform to top	465mm
Alt Name	Stackable Refrigerated Shaking Incubator, High Capacity

## FEATURES

7" LCD Touch Screen: Displays and sets temperature, humidity, CO<sub>2</sub>, speed, and time on a single interface. Includes an encrypted lock and alternative shaking platform rotation.

Data Recording & Analysis: Records up to 5 years of data including temperature, CO<sub>2</sub> concentration, and humidity curves, with a USB interface for easy export.

Automatic Humidity Control (Optional): External humidity control module replenishes R.O or distilled water and vaporizes it to high-temperature steam into air duct, reaching humidity up to 90%.

Advanced Refrigeration & Defrost: Adjustable cooling for precise temperature control with timed defrost to prevent freezing during extended low-temperature operation.

Adjustable Heating Power on Door Glass and Frame: Optimizes temperature and energy efficiency, preventing glass fogging and condensation.

Fabric Blackout Curtains (Optional): Blocks external light to prevent interference during culture.

Efficient Shaking Platform: Features Zhichu patented quick lock/unlock for easy pullout operation of platform.

Photosynthetic Light (Optional): Offers adjustable light intensity reaching up to 30,000 LUX. This system is energy-efficient, delivers high light output, and has a long service life, with blue/red sources available.

IQ/OQ/PQ Validation (Optional): Ensures quality and reliability through thorough installation, operation, and performance checks.

Modbus RS232/RS485/RJ45 (Optional): Flexible industrial communication options for reliable data exchange across serial and network connections.

Online App Monitoring (Optional): Enables remote tracking and management of equipment.

Magnetic Drive (Optional): Maintenance-free, ensuring ultra-smooth and quiet operation.

Amplitude Adjustment (Optional):  $\Phi 12.5$  mm/ $\Phi 25$  mm/ $\Phi 50$  mm adjustable by magnetic drive with counterweight.



Triple eccentric drive



Over-temperature alarm



UV sterilization



Imported compressor



User-friendly design



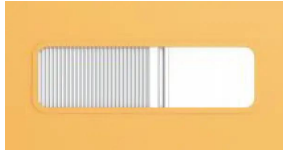
Power failure recovery



LCD Touch screen



Leakage protection



Embedded blackout curtain

## MORE INFO

Performance Overview:

Stackable Design: Configurable with one to three layers, saving space.

Layer Design: The bottom two layers feature downward-opening doors, while the top layer has an upward-opening door.

Independent Control: Each layer can be controlled separately with the capability to operate at different temperatures and speeds simultaneously.

Triple Eccentric Drive: Provides smooth, stable, and reliable operation.

Screwless Stamped Door: Provides a sleek, aesthetically pleasing design.

Antibacterial Design: Inner chamber made of antibacterial 304 stainless steel, offering easy cleaning and a bacteriostasis rate of up to 99%.

CFC-Free Refrigerant: Ensures low noise, effective refrigeration, and stable long-term operation at low temperatures.

Safety Protection: Includes over-temperature alarm and automatic power-off and stops immediately when the door is opened.

Automatic Restart: Non-volatile memory ensures smooth recovery after power interruptions.

Ferrite Filter Ring: Suppresses electromagnetic interference and improves signal quality.

UV Lamp: UV sterilization for effective germicidal action.



**Biolab Scientific Ltd.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)