

# Rotary Culture Equipment for Roller Bottles

The latest model equipment with proven track record for rotary culture has emerged.

This is a system for using culture roller bottles in mass cultivation of adherent cells. Advantages of conventional imported systems were utilized, while incorporating improvements that are available only with domestic products, suitable for manufacturing applications.

## Features

### ■ Compatibility with conventional products

Installation dimensions of this system is completely compatible with products made by Chemglass Life Sciences of the United States. The product can be used while accommodated in a large incubator (MaxCell Giant).

### ■ Body made out of stainless steel

The base unit is made entirely of stainless steel, which is easy to clean and offers robust resistance against corrosion.

### ■ Incorporating liquid crystal touch panel

The model features a liquid crystal touch panel that facilitates control of control parameters and various types of settings through intuitive operations.

### ■ Broad range of rotation speeds

A wide range of rotation speed can be set, from ultra-low speed of 0.05 rpm to maximum 2 rpm. The model is ideal for ultra-low speed operations for cell seeding as well.

### ■ Automatic rotational speed correction function

When the roller bottle diameter is changed, rotational speed can be corrected automatically simply by entering numerical value for the diameter.

### ■ Superior scalability

Each shelf can hold five bottles and with up to ten shelves the system can accommodate maximum of 50 roller bottles. This capacity can be easily increased to maximum of 10 levels.

### ■ Rotation anomaly detection function

Alarm is sounded to notify anomaly rotation is detected.

### ■ All position drive function

The all position drive function enables roller bottle driving in all positions.

### ■ Fitted with casters for mobility

In addition to casters that bring mobility, the product features adjuster feet for level adjustments.



Example of use with ten shelves (50 bottles)

## Ordering Information

Catalog No.	Product Name	Price (JPY)
WKN-2201	Rotary culture device base unit (one shelf)	1,200,000
WKN-2202	Additional deck unit for rotary culture equipment (maximum ten shelves)	200,000

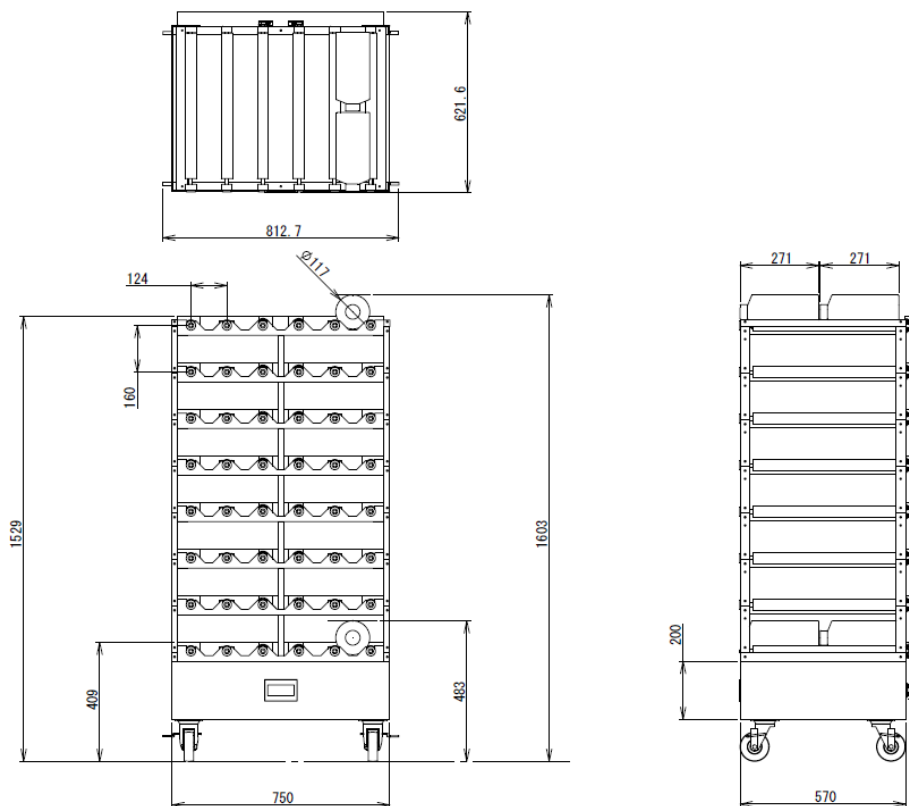
## Specifications

Catalog No.	WKN-2201
Motor	Pulse motor
Maximum number of decks	10 shelves (50 bottles)
Recommended bottle diameter	90 to 120 mm (max. Length 528 mm)
Roller material	Ethylene propylene rubber (EPDM)
Main body material	Stainless steel (SUS304)/No coating, hairline
Rotation speed setting range	0.05 to 2.00 rpm
Rotation speed display accuracy	±0.02 rpm
Actual rotation speed accuracy	Set value ±10%
Weight	Base unit: 19 kg Additional deck unit: 13 kg
External dimensions	812.7 (W) × 621.6 (D); see table on right for height
Power supply	100VAC (50/60Hz)
Operating environment	5 to 40°C; Maximum 80% RH (No condensation)

Number of shelves	Base unit height (mm)	Including bottles (mm)
1 shelf	409	483
2 shelves	569	643
3 shelves	729	803
4 shelves	889	963
5 shelves	1,049	1,123
6 shelves	1,209	1,283
7 shelves	1,369	1,443
8 shelves	1,529	1,603
9 shelves	1,689	1,763
10 shelves	1,849	1,923

\* Indicated height including bottles is for 117 mm diameter bottle setup.

### External dimensional drawing (8-shelf configuration)



\* Prices, external appearances and accessories subject to change without prior notice due to improvements. Consumption tax is not included in the indicated prices.

Authorized Distributor



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