

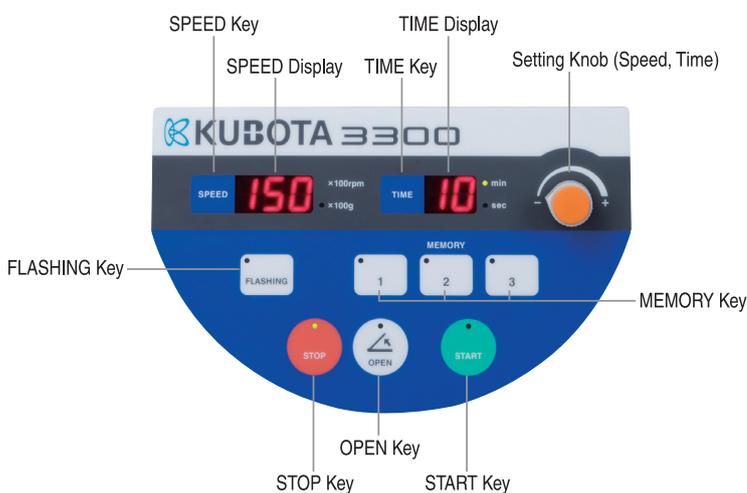
# Tabletop Micro Centrifuge 3300



## Convenient features and functions

- **Maximum speed : 15,000 rpm**
- **Maximum RCF : 20,630 xg**
- **Compact size : 32(W) x 39(D) x 27(H) cm**
- **Buzzer at the end of operation**  
5 different buzzer sounds allow recognition of the end of a centrifuge operation from across the room.
- **Memory function**  
3 operation condition memory settings are available and one-touch saving, access and operation are possible.
- **Memory flashing function for easy spin-down (patented)**  
Spin-down time from 1 to 99 seconds is memorized. The flashing key enables to call up the memorized spinning time.
- **Fulfill GMP requirements**  
Equipped with tachometer port to comply with GMP requirement. Actual rotor speed is easy to check.
- **The easy-to-follow digital display on the control panel**

## Control panel



## Safety Priority

- **The 3300 model conforms to International Safety Standard IEC 61010-2-020.**
- **Numerous detectors ensure safety and reliable operations. If problem is detected, operation will stop immediately.**

## Specifications

### Model 3300

- Maximum Speed ● 15,000 rpm
- Maximum RCF ● 20,630 xg
- Maximum capacity ● 48 mL
- Control system ● Microprocessor control (brushless motor)
  - Speed, RCF(g), Time, 3 memory banks
- Alarm display ● Lid open, Imbalance, Over speed, Detected electrical abnormality in motor, inverter, lid interlock and speed sensor
- Speed setting and indication ● Digital display, in 100 rpm steps
- RCF setting and indication ● Digital display, in 100 xg steps
- Timer setting and indication ● Digital display, with HOLD function (continuous operation) and flashing
  - 1 second to 99 seconds, 1 sec increments
  - 1 minute to 99 minutes, 1 min increments
- Sounds for informing end of centrifugation ● 5 types and no sounding
- Power requirements ● Single phase 50/60Hz, 110V±10%, 115V±10%
  - Single phase 50/60Hz, 220V±10%, 230V±10%
- Rated voltage and rated current ● 110V 50/60Hz 3.0A, 115V 50/60Hz 2.9A, 220V 50/60Hz 1.5A, 230V 50/60Hz 1.4A
- Power consumption and heat output ● 110/115V 210W, 760kJ/h, 220/230V 200W, 720kJ/h
- Size, weight ● 32(W) x 39(D) x 27(H) cm · 20 kg, height with opened lid 58 cm\*1
- Conforming standard ● IEC 61010-2-020
  - CE Marking (220V/230V)

(\*1) Not including projections.

All specifications and external appearance are subjects to be changed without notice.

\* Use only rotors, adaptors and tube racks made by KUBOTA. Do not attempt to use rotors, adaptors or tube racks made by other manufacturers.

\* Follow all instructions in the relevant Instruction & Service Manual when operating centrifuges.



#### RA-2024

Rotor lid is equipped with rotor.



#### RA-2724

Rotor lid is equipped with rotor.

### Table of rotors and adaptors for Model 3300

| Rotor Name    | Nominal Capacity | Tube size (mm) diam. x length | Maximum Speed rpm | Maximum RCF xg | Adaptor Code No. |
|---------------|------------------|-------------------------------|-------------------|----------------|------------------|
| RA-2024       | 24×1.5/2mL       | 9.5~11×36~42                  | 15,000            | 20,630         | —                |
|               | 24×0.5mL         | 7~7.9×25~34                   | 15,000            | 18,360         | 055-7590         |
|               | 24×0.2mL PCR     | 5.9~6.3×20~24                 | 15,000            | 16,100         | 055-0500         |
| RA-2724<br>*1 | 24×1.5/2mL       | 9.5~11×36~42                  | 15,000            | 20,630         | —                |
|               | 12×0.5mL         | 7~7.9×25~34                   | 15,000            | 16,850         | —                |
|               | 12×0.2mL PCR     | 5.9~6.3×20~24                 | 15,000            | 14,840         | —                |

\* 1 4 types of tubes (1.5/2mL, 0.5mL and 0.2mL PCR tubes) can be used without adaptors.

## Kubota has acquired ISO 9001 and ISO 13485 certification.

### Precautions for use

Products in this catalogue are designed for use only by people who have the requisite technical knowledge, and must always be used with considerable care and only for their intended purpose. People who do not have adequate technical knowledge or training should only use the products under appropriate supervision by someone with expert knowledge, or else accidents are likely to occur.



**Prohibited**  
Please immediately stop using the products in any of the cases listed on the right.

- The rotor or buckets appear to be damaged or corroded.
- When the replacement period (years of operation, operating lifetime) of a rotor has passed.
- The equipment emits a burning smell or becomes abnormally hot.
- You receive a weak electric shock when you touch the equipment with your bare hands.
- When any other abnormality or indication of failure is noticed.

### IMPORTANT

If any of the cases listed at the left occurs, immediately turn off the power, disconnect the power cable plug or connecting terminals from the main power outlet, place a "Do not use" sign on the unit, and contact the nearest branch of Kubota Corporation.

### Safety Precautions

To use the equipment safely, be sure to read the instruction manual carefully before you start operations.

Do not misplace the instruction manual. Keep the instruction manual nearby so that you can refer to it whenever necessary.

- The term of supplying spare parts for repair is 7 years after discontinuation of production (except spare parts which we are unable to procure).
- This catalogue is not for distribution in the USA, Canada and Mexico as products shown are not for sale in these countries.

# KUBOTA CORPORATION

www.centrifuge.jp

29-9 Hongo 3-chome, Bunkyo-ku, Tokyo 113-0033, Japan

Tel +81 3 3815 1331 Fax +81 3 3814 2574