



## Benchtop High Speed Centrifuge (BL-TG-20)

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The BL-TG-20 Benchtop High-Speed Centrifuge is a versatile machine equipped with fixed angle head rotors, accommodating variable volumes up to 6\*100ml. Featuring a variable frequency motor and an intuitive LCD touch screen, this centrifuge boasts a robust all-steel body construction.



### Highlights

- ◆ **Model:** BL-TG-20 Benchtop High-Speed Centrifuge
- ◆ **Rotor Type:** Fixed angle head rotors for variable volumes
- ◆ **Capacity:** Maximum of 6\*100ml
- ◆ **Key Features:** Variable frequency motor, LCD touch screen, all-steel body

Designed for high-speed centrifugation, the BL-TG-20 Benchtop Centrifuge stands out for its adaptability to different volumes owing to its fixed angle head rotors. Capable of handling a maximum capacity of 6\*100ml, this centrifuge employs a variable frequency motor, ensuring stability and longevity in its operation.

The user interface is facilitated through an LCD touch screen, offering a simple and clear platform to view and set parameters. With an emphasis on user convenience and efficiency, it allows the direct setting of Relative Centrifugal Force (RCF) without the need for RPM/RCF conversions. Moreover, this centrifuge can store up to 1000 programs and run histories, facilitating extensive experimentation and data retrieval via USB export.

Safety measures are paramount in its design, featuring an electronic door lock controlled by an independent motor, emergency lid-lock release, and a lid that only opens when the machine is completely stopped. Additionally, it employs hydraulic rods to support the lid and provides a port for calibration and operation checking, enhancing user confidence and safety.

Constructed with quality components, the BL-TG-20 utilizes a variable frequency motor for stable, maintenance-free, and long-lasting operation. Its robust housing crafted from thick steel, along with a chamber made of food-grade 304 stainless steel, ensures durability, resistance to corrosion, and ease of cleaning. The rotor options include an aluminum alloy fixed angle rotor and a stainless-steel swing-out rotor, contributing to its versatility across various centrifugation needs.



### Features

- ◆ **User-Friendly Interface:** LCD touch screen with intuitive parameter viewing and setting.
- ◆ **Real-Time Data Display:** Intelligent status display for real-time values and monitoring.
- ◆ **Direct RCF Setting:** RCF adjustment without RPM/RCF conversion.
- ◆ **Program Storage:** Capacity to store up to 1000 programs and run histories exportable via USB.
- ◆ **Acceleration and Deceleration:** 40 levels for precise speed control.
- ◆ **Centrifugation Programs:** Capability to set and save 5-stage centrifugation programs.
- ◆ **Timer Range:** Programmable timer from 1 second to 99 hours 59 minutes 59 seconds.
- ◆ **Safety Measures:** Electronic door lock, emergency lid-lock release, lid opening only when completely stopped.
- ◆ **Components:** Variable frequency motor, sturdy steel housing, food-grade stainless steel chamber, diverse rotor options for specific needs.
- ◆ **Imbalance Detection:** Three-axis gyroscope for real-time monitoring of spindle vibration.
- ◆ **Operational Security:** Password protection against unauthorized use.
- ◆ **Parameter Adjustments:** Capability to change parameters during operation for enhanced flexibility.





## Specifications

|   |                          |
|---|--------------------------|
| Model   | BL-TG-20                 |
| Max Speed                                     | 20000rpm                 |
| Max RCF                                       | 27800xg                  |
| Max Capacity                                  | 6*100ml                  |
| Speed Accuracy                                | ±10rpm                   |
| Timer range                                   | 1s-99H59m59s             |
| Motor   | Variable frequency motor |
| Electronic lid lock                           | Yes                      |
| Can change parameters under operation         | Yes                      |
| RCF can be set directly                       | Yes                      |
| Can store programs                            | 1000 programs            |
| Adjustable acceleration and deceleration rate | 40 levels                |
| Imbalance detection                           | Yes                      |
| Housing material                              | Steel                    |
| Chamber material                              | Stainless steel          |
| Noise   | ≤60dB(A)                 |
| Power Supply                                  | AC 220V 50HZ 10A         |
| Dimension (L*W*H) mm                          | 445*360*315              |
| Weight  | 29kg                     |
| Power   | 500W                     |



## Accessories

### Available Rotors

|             |                           |
|-------------|---------------------------|
| BL-TG20-R1  | 12 x 1.5 /2.2ml           |
| BL- L20-R2  | 10 x 5ml                  |
| BL-TG20-R3  | 24 x 1.5/2.2ml            |
| BL-TG20-R4  | 12 x 10ml                 |
| BL-TG20-R5  | 6 x 50ml                  |
| BL-TG20-R6  | 4 x 100ml                 |
| BL-TG20-R7  | 8 x 50ml                  |
| BL-TG20-R8  | 6 x 10ml                  |
| BL-TG20-R9  | 8 x 15ml                  |
| BL-TG20-R10 | 4 x (8 x 0.2ml PCR tubes) |
| BL-TG20-R11 | 6 x 100ml                 |



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