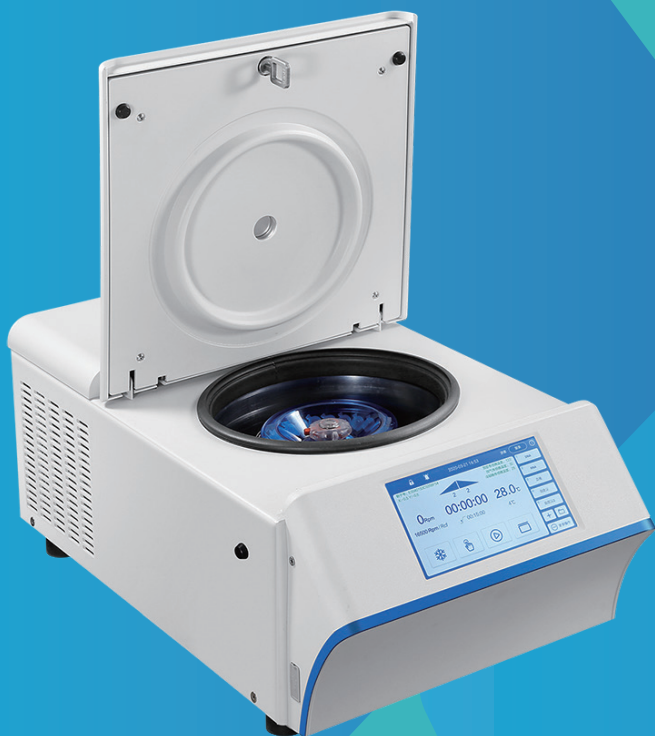


Benchtop High-speed Refrigerated Centrifuge



LX-165T2R

Scope of Application

Mainly used for nucleic acid extraction, DNA/RNA separation, purification, virus separation and protein precipitation in the laboratory. Widely used in universities, third party testing organizations, disease prevention, medical and health, biological pharmaceutical and other related fields.

Innovative Design

- High-performance, dual-frequency conversion refrigeration technology rapidly cools to 4°C in 5 minutes to speed up the processing time.
- Equipped as standard with a 24-well 1.5/2.0 ml centrifuge tube rotor with a maximum centrifugal force of 25,872 xg.
- Automatic rotor ID, rotor information and service life statistics can be traced.
- Stable, ergonomic design with a low centre of gravity, balance detection and real-time vibration monitoring for optimal safety.
- Clear 7-inch interactive touchscreen with intuitive controls and easy-to-read displays.

Qingdao Haier Biomedical Co.,Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266109, P.R. China
Tel: +86-0532-88935593
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com



Haier Biomedical
International



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@haiermedicalint



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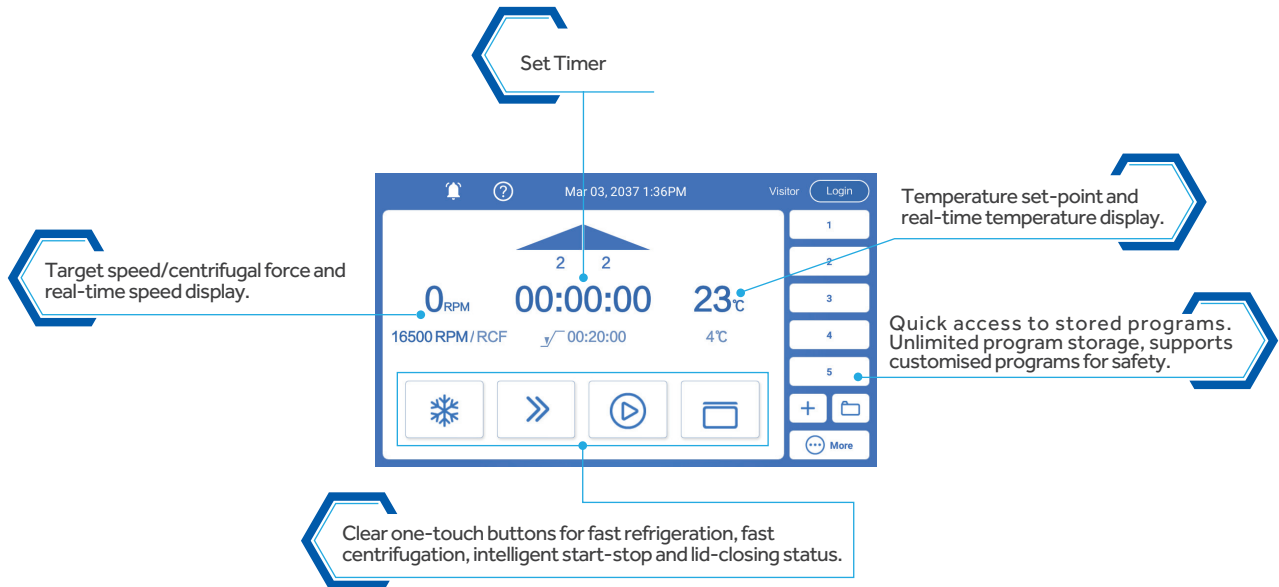


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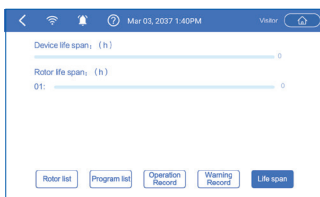
Product Advantages

Smart and Intelligent Control

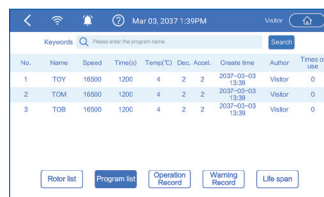
Large smart screen controller provides an interactive interface which is easy to operate even in gloves.



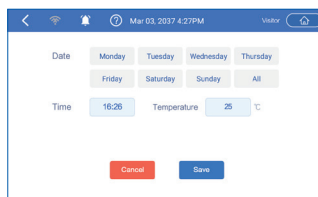
Intelligent Centrifugal Management System



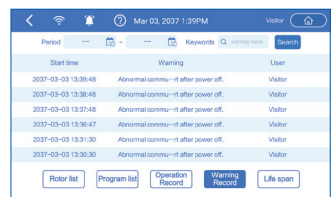
Operation failure detection, rotor and machine service life monitoring.



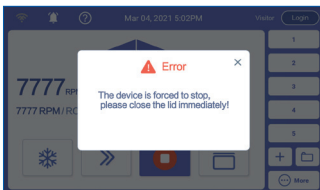
Intelligent storage of centrifugal programs, quick access to programs.



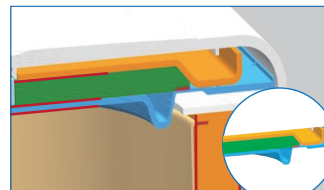
Fast refrigeration preset, saves time.



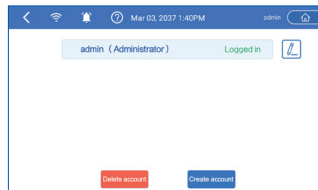
View abnormal alarms



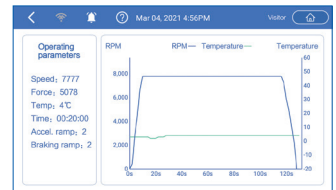
Intelligent lid locking monitoring and automatic self-locking to ensure safe operation.



Safer by design, triple-layer construction to ensure safe use.



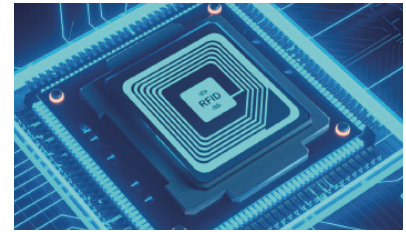
Multi-level user management, effectively protects personal data.



Intelligent monitoring of temperature, speed, vibration and rotor to ensure reliable operation.

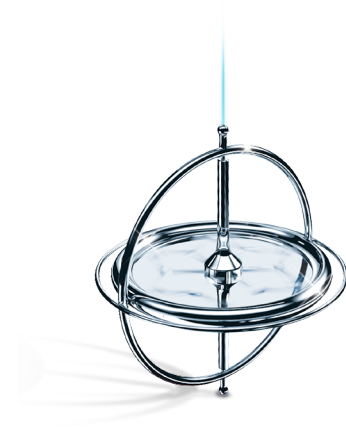
➤ Auto-ID Instant Rotor Recognition and Rotor Service Life Statistics

- The Auto-ID rotor is instantly identified by the centrifuge upon installation; this ensures the rotor operates within safe limits.
- Rotor ID: Each rotor is equipped with a unique ID which enables traceability of rotor information.
- Rotor service life statistics: The rotor service time is recorded on the terminal and the centrifuge will alert users as the rotor reaches the end of its service life.

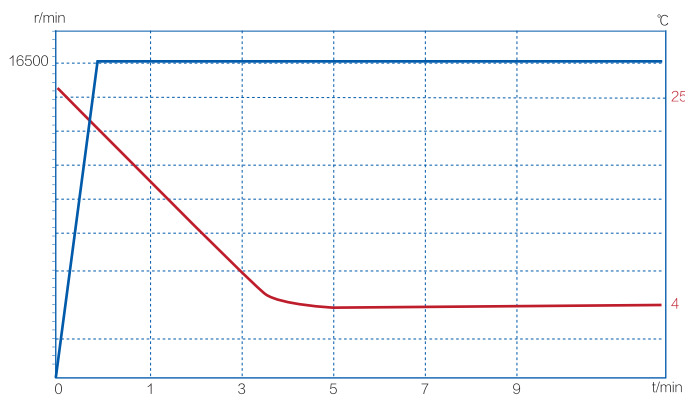


➤ Balance Detection

- Vibration monitoring for safe operation: The unit is designed with six-axis gyroscope technology, and if the vibration exceeds safe limits, the centrifuge will stop automatically.
- Rotor balancing detection: Dynamic monitoring of the centrifugal process means that the centrifuge will automatically shut down control in the event of a balance error.
- Centrifuge balancing detection: The built-in electronic gradiometer automatically monitors the unit balancing status.



➤ Precise Temperature Control and Ultra-fast Refrigeration



- Dual frequency conversion refrigeration technology ensures rapid refrigeration to reduce waiting time.
- High precision throttling technology proactively adjusts to provide precise temperature control.
- Seamless copper tube wrapping technology to achieve high efficiency heat transfer.

➤ Quality and Safety Guaranteed

- Extensive quality assurance and testing processes to ensure long-term reliability.
- High-precision speed control technology to ensure process integrity.
- Advanced dynamic balance monitoring technology to ensure the safe operation of the rotor.



Benchtop High-speed Refrigerated Centrifuge

Ergonomic Design



Ergonomic Design

Designed with multiple user applications, the touchscreen is angled to provide a clear view and is comfortable and practical for users of all heights.



Smart Lid Lock

The automatic lid lock monitors the lid closing status, as the door is closed, it will tighten automatically indicating when the unit is safe to use.



USB Interface



Data, such as operation records and error records, can be exported using a USB.

Specifications



Model	Max Speed (r/min)	Speed Accuracy (rpm)	Max RCF (xg)	Sound level (dB(A))
LX-165T2R	16,500	±10	25,872	≤ 52
Temperature Setting Range(°C)	Timer	External Dimensions (W*D*H)(mm)	Power Supply (V/Hz)	Certification
-20~40	1s~99 hours 59 mins 59s	340*625*248	220/50/60	CE

Rotor Configuration List



Code	BE12C0Z00	BE11D0Z00	BE12E0Z00	BE12D0Z00
Picture				
Rotor Type	Optional fixed-angle rotor (Plastic cover)	Optional fixed-angle rotor (Sealed)	Optional fixed-angle rotor	Optional fixed-angle rotor (Sealed)
Max Capacity	24*1.5/2 ml	24*1.5/2 ml	4 * 8*0.2 ml PCR tube	12*5 ml
Max RCF (xg)	25,872	21,382	18,900	21,400
Max Speed (r/min)	16,500	15,000	15,000	15,000
Tube Size (Φ *L)	11*38	11*38	6*18	14*75

*Haier Biomedical reserves the right to change products and specifications without prior notice.