

Centrifuge Catalogue



● Headquarter ● Global warehouse ● Training center ● Global subsidiary ● Manufacturing base



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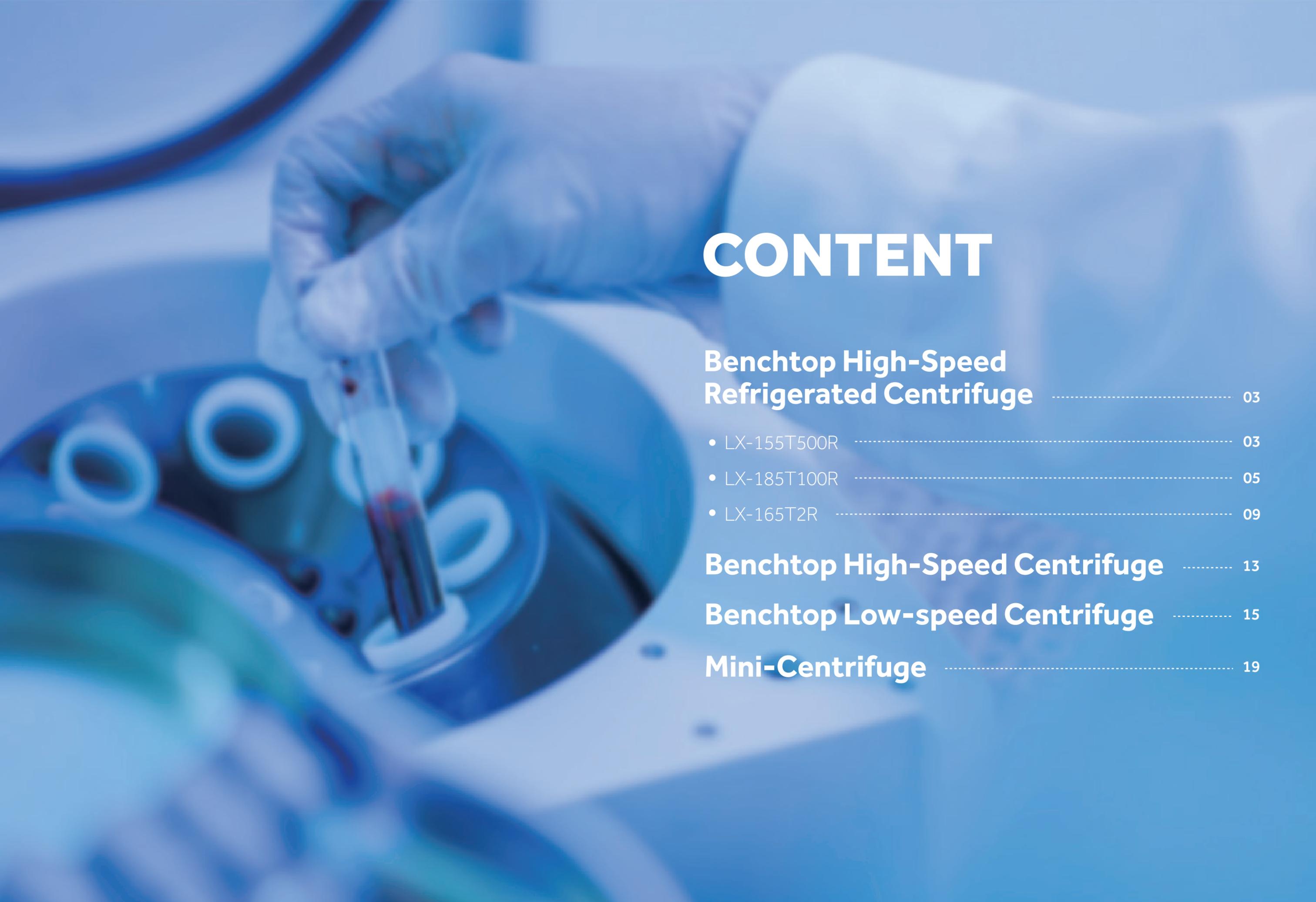


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Note: If a slight difference occurs between pictures and actual products, please refer to actual products. Our company reserves the right of final interpretation of this brochure, please contact us for any further information if required.

A gloved hand is shown using a pipette to transfer a liquid sample into a centrifuge tube. The background is a blurred laboratory setting with various pieces of equipment, all tinted with a blue color scheme.

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Benchtop High-Speed Refrigerated Centrifuge

Scope and Application of the Product

For the separation and purification of samples of cells, macromolecular proteins, blood, body fluids, DNA/RNA, plasmids, bacteria and viruses.



LX-155T500R

Product Advantages



Real-time Monitoring and Alarms

The sensor automatically monitors vibration in real time, and will stop and alarm when excess vibration is detected



Rotor Balance Detection

Dynamic monitoring of the centrifugal process means that the centrifuge will automatically stop in the event of a balance error



Precise Ultra-fast Refrigeration

The fuzzy PID control with seamless evaporator ensures precise temperature control and high-efficiency heat transfer



Long Service Life of Motor

Dynamic sealing technology effectively prolongs the service life of motor



Ergonomic Angled Touch Screen

The 7-inch touchscreen is angled at 45° for comfortable and practical for users of all heights



RFID Rotor Recognition

The Auto-ID rotor is instantly identified by the centrifuge upon installation; this ensures the rotor operates within safe limits



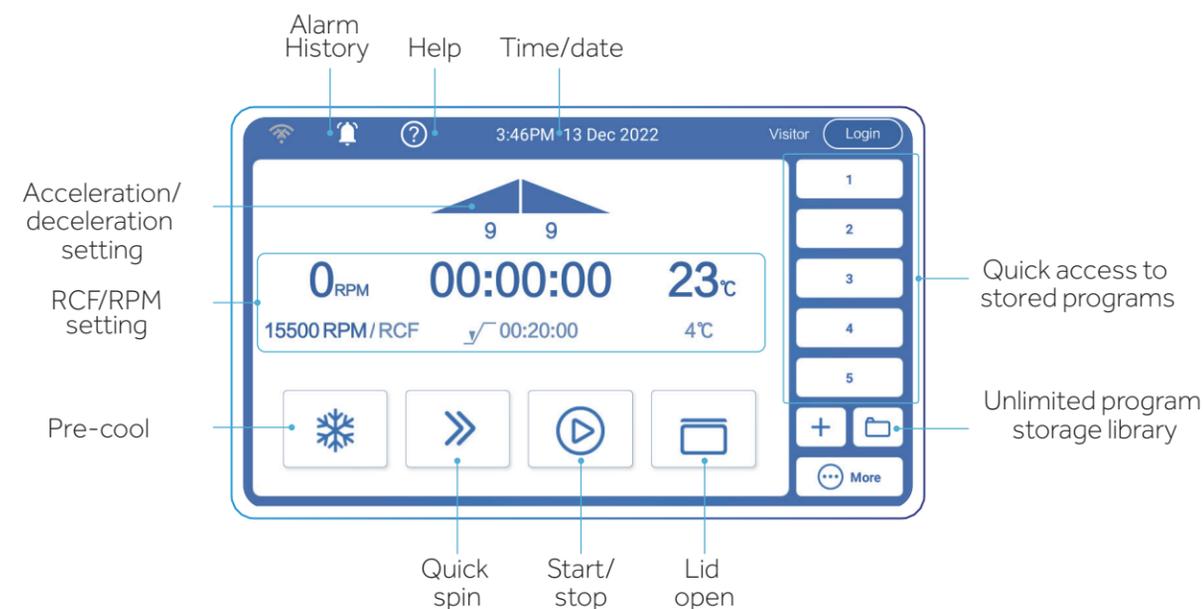
Smart and Intelligent Control

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



Precise Speed Control

High-precision speed control technology ensures process integrity



Product Parts



Specifications

Model	Speed Range (r/min)	Max RCF (xg)	Max Capacity (ml)	Sound Level (dB(A))	Temperature Setting Range (°C)	Temperature Accuracy (°C)	Speed Accuracy (rpm)	Timer
LX-155T500R	500-15500	26322	4*500	≤55	-20-40	±2	±10	1s-99h 59min59s

Power (W)	Power Supply (V/Hz)	External Dimensions (W*D*H)(mm)	Net Weight (kg)	Height of Lid Open (mm)	Packing Dimension (W*D*H)(mm)	Gross Weight (kg)	Certification
1200	AC220, 50/60	658*673*358	112	860	740*795*565	133	CE

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Benchtop High-Speed Refrigerated Centrifuge

Rotor Configuration List

No.	Rotor Description	Max Capacity (ml)	Max RCF (xg)	Max Speed (rpm)	Singe Tube Capacity (ml)	Maximum Tube Dimensions (Ø*L)(mm)	Tube Type	Picture
1	Fixed-Angle Rotor	24*1.5	23100	15500	1.5/2	11*38	Round/Conical	
2	Fixed-Angle Rotor	30*1.5	26322	15500	1.5/2	11*38	Round/Conical	
3	Fixed-Angle Rotor	48*1.5	22132	14000	1.5/2	11*38	Round/Conical	
4	Fixed-Angle Rotor	12*10	16071	12500	10	16*86	Round	
5	Fixed-Angle Rotor	12*15	21912	14000	15	17*121	Conical	
6	Fixed-Angle Rotor	6*50	17065	12000	50	29*115	Round	
7	Fixed-Angle Rotor	6*50	16421	12000	50	30*115	Conical	
Optional	Adapter	15-50	6 pcs/set		15	17*121	Conical	
8	Fixed-Angle Rotor	12*8*0.2	14892	12000	0.2	6*18	PCR	
9	Fixed-Angle Rotor (Steel sleeves)	42*15	4472	5000	15	17*120	Round/Conical	
10	Fixed-Angle Rotor (Steel sleeves)	12*50/15	4640	5000	50/15	30*104	Round/Conical	
11	Fixed-Angle Rotor (Steel sleeves)	10*100	3350	4500	100	38*106	Round	
12	Swing-out	4*500	3184	4000	500	Rotor block	/	
Optional	Round Bucket	500	3184	4000	500	81*106	Flat	
	Adapter	4*250	4 pcs/set		250	62*123	Flat	
	Adapter	4*225	4 pcs/set		225	60*136	Conical	
	Adapter	4*100	4 pcs/set		100	38*106	Round	
	Adapter	4*4*50	4 pcs/set		50	30*115	Conical	
	Adapter	4*10*15	4 pcs/set		15	17*121	Conical	
	Adapter	4*14*10	4 pcs/set		10	15*105	Large blood collection tube	
	Adapter	4*19*7/5	4 pcs/set		2-5	12*80/105	Small/Large blood collection tube	
	Adapter	4*30*1.5	4 pcs/set		1.5	11*38	Round/Conical	
	ELISA Plate Bucket	4*96 well plate	2612	4000	0.2	86*128	ELISA plate	

Benchtop High-Speed Refrigerated Centrifuge

Scope and Application of the Product

For the separation and purification of samples of cells, macromolecular proteins, blood, body fluids, DNA/RNA, plasmids, bacteria and viruses.



LX-185T100R

Product Advantages



Multi-level User Management

Multi-level user management allows users to stored and organise personal data, centrifugal programs and operating parameters



Real-time Monitoring and Alarms

The sensor automatically monitors vibration in real time, and will stop and alarm when excess vibration is detected



Smart and Intelligent Control

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



Smart Anti Vibration Lock

Automatic smart lock safeguards users



Precise Temperature Control and Ultra-fast Refrigeration

The fuzzy PID control with seamless evaporator to achieve precise temperature control and high-efficiency heat transfer



Ergonomic Angled Touch Screen

The 7-inch touchscreen is angled at 45° for to be comfortable and practical for users of all heights



Precise Speed Control

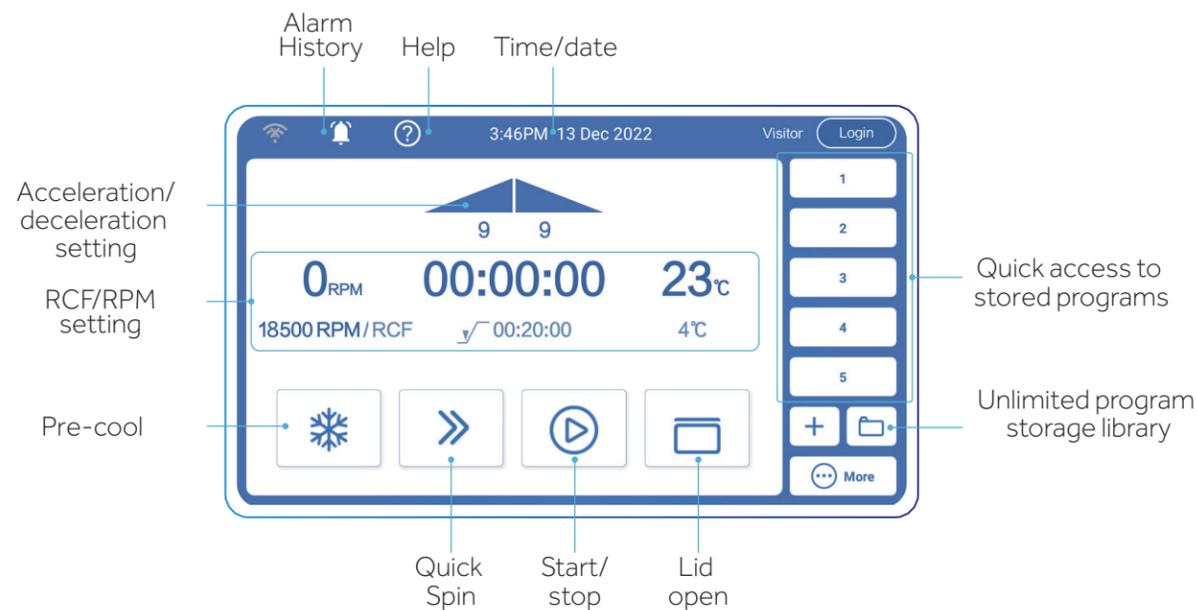
High-precision speed control technology to ensure the accuracy of experimental data



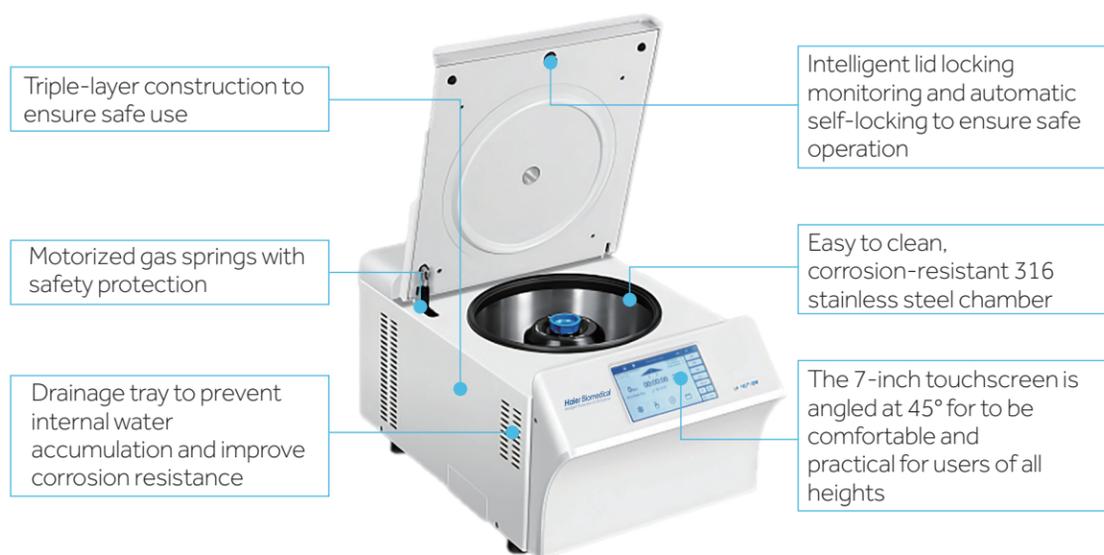
Menu Driven Program

Intelligent storage of centrifugal programs, quick access to programs

Benchtop High-Speed Refrigerated Centrifuge



Product Parts



Specifications

Model	Speed Range (r/min)	Max RCF (xg)	Max Capacity (ml)	Sound Level (dB(A))	Temperature Setting Range (°C)	Temperature Accuracy (°C)	Speed Accuracy (rpm)	Timer
LX-185T100R	500-18500	30130	4*100	≤52	-20-40	±2	±10	1s-99h 59min59s

Power (W)	Power Supply (V/Hz)	External Dimensions (W*D*H)(mm)	Net Weight (kg)	Height of Lid Open (mm)	Packing Dimension (W*D*H)(mm)	Gross Weight (kg)	Certification
1200	AC220, 50/60	420*680*330	57	860	800*505*535	73	CE

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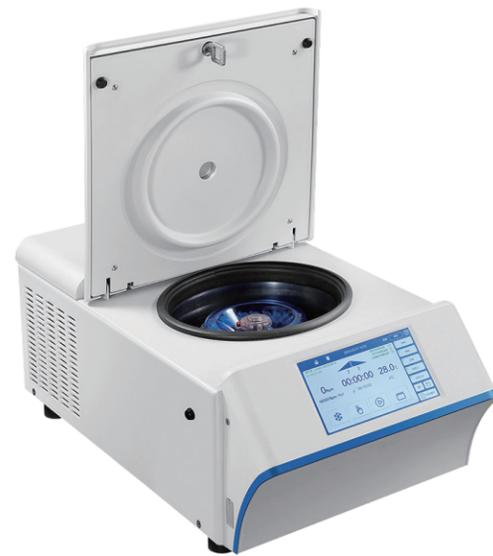
Rotor Configuration List

No.	Rotor Description	Max Capacity (ml)	Max RCF (xg)	Max Speed (rpm)	Singe Tube Capacity (ml)	Maximum Tube Dimensions (Ø*L)(mm)	Tube Type	Picture
1	Fixed-Angle Rotor	12*1.5	26019	18500	1.5/2	11*38	Round/Conical	
2	Fixed-Angle Rotor	24*1.5	30130	17500	1.5/2	11*38	Round/Conical	
3	Fixed-Angle Rotor	48*1.5	19083	13000	1.5/2	11*38	Round/Conical	
4	Fixed-Angle Rotor	12*5	18090	16000	5	14*55	Round	
5	Fixed-Angle Rotor	12*10	16071	12500	10	16*86	Round	
6	Fixed-Angle Rotor	8*15	13200	12000	15	17*121	Conical	
7	Fixed-Angle Rotor	6*50	15294	12000	50	29*115	Round	
8	Fixed-Angle Rotor	6*50	16421	12000	50	30*115	Conical	
Optional	Adapter	15-50	6 pcs/set		15	17*121	Conical	
9	Fixed-Angle Rotor	4*100	13257	11000	100	38*106	Round	
10	Fixed-Angle Rotor	12*8*0.2	18516	12000	0.2	6*18	PCR	
11	Fixed-Angle Rotor (Steel sleeves)	18*15	4749	5000	15	17*120	Round/Conical	
12	Fixed-Angle Rotor (Steel sleeves)	6*50/15	3577	5000	50/15	30*104	Round/Conical	
13	Fixed-Angle Rotor (Steel sleeves)	6*100	3348	4800	100	38*106	Round	
14	Swing-out Rotor	ELISA Plate	2287	4500	0.2	Rotor block	Two position	
	ELISA Plate Bucket	2*96 well plate	2287	4500	0.2	86*128	ELISA Plate	
15	Swing-out Rotor	4*50	2770	4200	/	Rotor block	/	
Optional	Bucket	4*5*10/7	2770	4200	10	15*105	Large blood collection tube	
Optional	Adapter	5	50 pcs/set	50 pcs/set	5	12*80	Small blood collection tube	
Optional	Bucket	4*2*15	2770	4200	15	17*120	Round/Conical	
Optional	Bucket	4*1*50	2770	4200	50	30*104	Round/Conical	

Benchtop High-speed Refrigerated Centrifuge

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.



LX-165T2R

Product Advantages

Smart and Intelligent Control

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

Target speed/centrifugal force and real-time speed display.

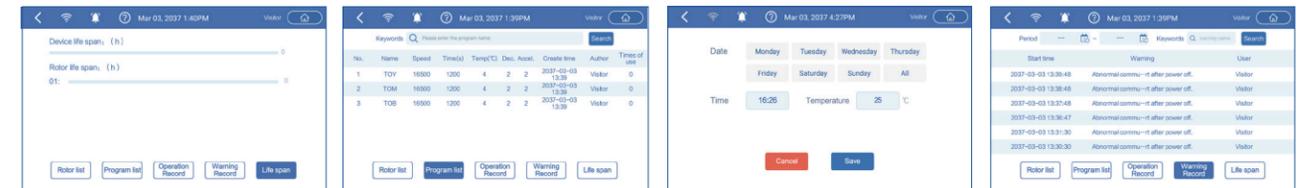
Set Timer

Temperature set-point and real-time temperature display.

Quick access to stored programs. Unlimited program storage, supports customised programs for safety.

Clear one-touch buttons for fast refrigeration, fast centrifugation, intelligent start-stop and lid-closing status.

Intelligent Centrifugal Management System

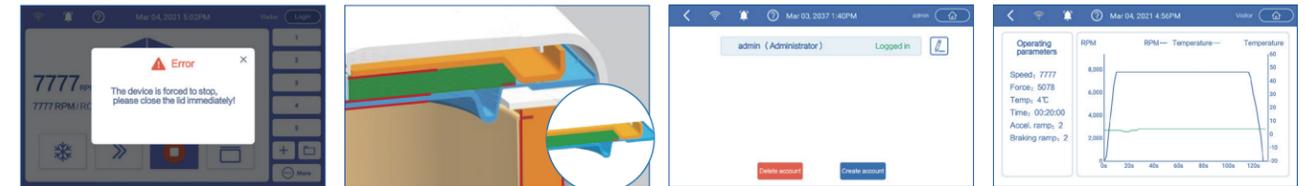


Operation failure detection, rotor and machine service life monitoring.

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.

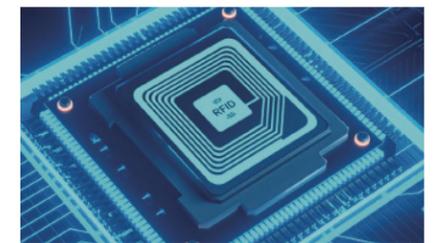
Safer by design, triple-layer construction to ensure safe use.

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

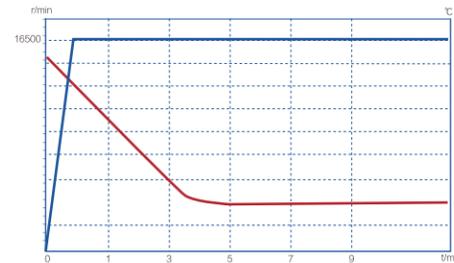
- Vibration monitoring for safe operation: The unit is designed with six-axis gyroscope technology, and if the vibration exceeds safe limits, the centrifuge will stop automatically.
- Rotor balancing detection: Dynamic monitoring of the centrifugal process means that the centrifuge will automatically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



Benchtop High-speed Refrigerated Centrifuge

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.



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	Speed Range (r/min)	Speed Accuracy (rpm)	Max RCF (xg)	Sound level (dB(A))
LX-165T2R	500~16,500	±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

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Rotor Configuration List

No.	Rotor Description	Max Capacity (ml)	Max RCF (xg)	Max Speed (rpm)	Maximum Tube Dimensions (Ø*L)(mm)	Tube Type	Picture
1	Fixed Angle Rotor (Plastic Cover)	24*1.5/2	25872	16500	11*38	Round/Conical	
2	Fixed Angle Rotor (Sealed)	24*1.5/2	21382	15000	11*38	Round/Conical	
3	Fixed Angle Rotor (Sealed)	12*5	21407	15000	12*75	Round	
4	PCR Fixed Angle Rotor	4*8*0.2	18891	15000	6*18	PCR	

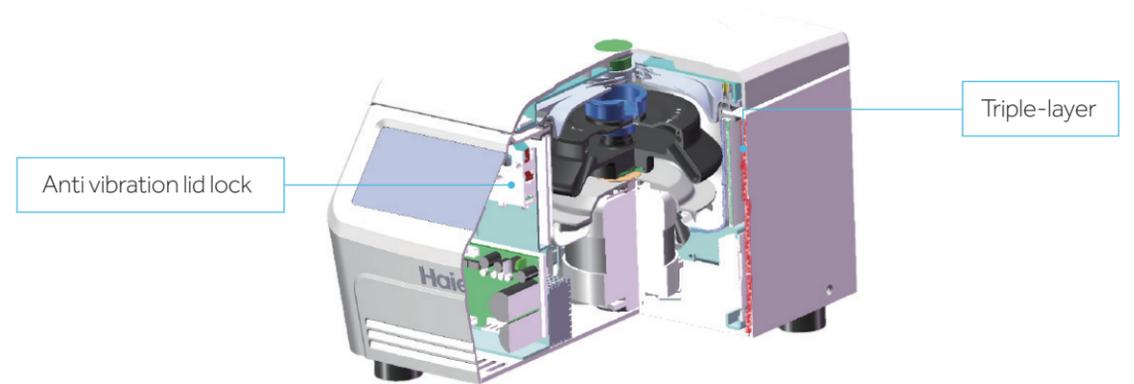
Benchtop High-Speed Centrifuge

Scope of Application

For the separation and purification of samples of cells, macromolecular proteins, blood, body fluids, DNA/RNA, plasmids, bacteria and viruses.



LX-165T2-J



Product Advantages



Active Balance Detection

The machine has a high-sensitivity, six axis vibration detection mechanism. In case of abnormal vibration or rotor imbalance caused by non balancing, asymmetry, tube breakage and or rotor damage, an alarm will sound and the machine will stop immediately



Multiple Damping and Noise Reduction Technology

Multiple anti-vibration technologies allow for low noise and smooth operation even at maximum speed (16,500rpm/58dB)



High Efficiency Air Cooling Technology

Proprietary air duct structure design allows for quick dissipation of heat inside the centrifugal chamber



Triple-layer Protection

Cabinet construction includes metal liner, fully covered steel plate protective sleeve and 3mm steel shell



Anti Vibration Lid Lock

Anti-vibration lid lock ensures lid remains locked during excess vibration for user safety



Automatic Rotor Identification

Automatic rotor identification limits maximum speed for safety

Product Introduction



Benchtop High-Speed Centrifuge

Specifications

Model	Speed Range (rpm)	Max RCF (xg)	Max Capacity (ml)	Speed Accuracy (rpm)	Time Set Range	Noise (dB)
LX-165T2-J	500-16500	25872	12*5.0	±10	1s-99h59min59s	≤58

Power Supply (V/Hz)	Power (W)	Exterior Dimensions (W*D*H)(mm)	Net Weight (Kg)	Packing Dimensions (mm)	Gross Weight (Kg)	Certification
220/50/60	230	375*270*252	18	565*375*380	20	CE

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Rotor Configuration List

No.	Rotor Description	Max Capacity (ml)	Max RCF (xg)	Max Speed (rpm)	Maximum Tube Dimensions (Ø*L)(mm)	Tube Type	Picture
1	Fixed Angle Rotor (Plastic Cover)	24*1.5/2	25872	16500	11*38	Round/Conical	
2	Fixed Angle Rotor (Sealed)	24*1.5/2	21382	15000	11*38	Round/Conical	
3	Fixed Angle Rotor (Sealed)	12*5	21407	15000	12*75	Round	
4	PCR Fixed Angle Rotor	4*8*0.2	18891	15000	6*18	PCR	

Benchtop Low-speed Centrifuge

Scope of Application

Low speed, non-refrigerated centrifuge suitable for the routine separation of particles and ideal for the analysis of blood and other biological samples. For low-medium throughput applications, for use with 15ml, 50ml and 100ml round and conical centrifuges tubes.



LX-60T100-J

Product Advantages



Quality and Safety

- Imbalance detection for maximum safety
- Stainless steel rotor chamber is corrosion-resistant and easy to clean
- Triple-layer protection to ensure safety
- Patented anti-vibration safety lid lock
- Optional aerosol-tight caps for safe centrifugation of hazardous samples



Intelligent Design

- High efficiency air cooling technology minimises warming to protect samples
- Multiple vibration and noise reduction technologies ensure quiet and stable operation
- A choice of rotors including large capacity rotor and a dual capacity rotor (15ml/50ml)



Convenient Operation

- One-click program selection for improved work efficiency
- Automatic rotor identification
- Simultaneous display of both set and actual speed and time, which can be adjusted as required. Users can set operation and switch between relative centrifugal force (rcf) and speed (rpm) as needed.

Benchtop Low-speed Centrifuge

Product Introduction



Specifications

Model	Speed Range (rpm)	RCF (xg)	Max Capacity (ml)	Speed Accuracy (rpm)	Time Set Range	Noise (dB)
LX-60T100-J	500-6000	4749	6*100	±10	1s - 99h59min59s	≤56

Power Supply (V/Hz)	Power (W)	Exterior Dimensions (W*D*H)(mm)	Net Weight (Kg)	Packing Dimensions (mm)	Gross Weight (Kg)	Certification
220/50/60	150	447*281*340	25	545*400*410	28	CE

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Rotor Configuration List

No.	Rotor Description	Max Capacity (ml)	Max RCF (xg)	Max Speed (rpm)	Maximum Tube Dimensions (Ø*L)(mm)	Tube Type	Picture
1	Fixed-Angle Rotor (Steel sleeves)	12*15	4749	6000	17*120	Round/Conical	
2	Fixed-Angle Rotor (Steel sleeves)	6*50/15	3577	5000	30*104	Round/Conical	
	Fixed-Angle Rotor (Steel sleeves)	18*15	3577	5000	17*120	Round/Conical	
3	Fixed-Angle Rotor (Steel sleeves)	6*100	3348	4800	38*106	Round	
4	Fixed-Angle Rotor (Steel sleeves)	12*10	2753	5000	15*105	Large blood collection tube	
5	Fixed-Angle Rotor (Steel sleeves)	36*10	2465	4200	15*105	Large blood collection tube	
Optional	Adapter	50 pcs/set	/	/	12*80	Small blood collection tube	/
6	Swing-out Rotor Block	4*50	2770	4200	Rotor block	/	
Optional	Bucket	4*1*15 4*2*10 4*2*5	2770	4200	17*121 17*96 12*79	Applicable to reproductive sciences	
	Bucket	4*5*10/7	2770	4200	15*105	Large blood collection tube	
	Adapter	50 pcs/set			12*80	Small blood collection tube	/
	Bucket	4*2*15	2770	4200	17*120	Round/Conical	
	Bucket	4*1*50	2770	4200	30*104	Round/Conical	
7	Swing-out Rotor	2*96 well plate	1932	4000	86*128	ELISA Plate	

Mini-Centrifuge

Scope of Application

This product is used in micro centrifugal scenarios (single tube capacity is less than or equal to 2ml)



LX-120T2Z



LX-50T2Z

Product Advantages



Convenient
Simple and fast operation



Small
Can be held in your hand



Safe

- Safety interlock lid with automatic shut-off if lid is open
- Anti vibration & absorption suction cup
- Splash and leak protection



Quiet
Suspension with shock absorber reduces noise output

Applicable Users

- PCR laboratory
- Public health and disease control
- Scientific research biology laboratory in colleges and universities
- Microbiological laboratory
- Chemistry and chemical laboratory
- Medical treatment and hospital testing room

Specifications

Model	LX-120T2Z	LX-50T2Z
Speed Range (rpm)	500-12000	5000
Max RCF (xg)	7325	1270
Max Capacity (ml)	8*1.5/2.0	8*1.5/2.0
Speed Accuracy (%)	±5	±5
Timer	10 seconds-99 minutes 50 seconds	-
Display	OLED	-
Sound Level (dB(A))	50	40
Unbalance Protection	Y	N
Power	AC 100-240V/50-60Hz	AC 100-240V/50-60Hz
Rated Power Consumption (W)	35	25
Exterior Dimension (W*D*H)(mm)	152*142*122	152*142*122
Net Weight (kg)	1.2	1.2

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Rotor Configuration List

Model	LX-120T2Z	LX-50T2Z
Rotor 01	8*1.5/2.0ml	8*1.5/2.0ml
Max Speed (rpm)	12000	5000
Max RCF (xg)	7325	1270
Max Capacity (ml)	8*2	8*2
Adapter (ml)	0.5/0.2	0.5/0.2
Rotor 02	PCR 8*2.0	PCR 8*2.0
Max Speed (rpm)	12000	5000
Max RCF (xg)	6625	1150
Max Capacity (ml)	0.2*8*2	0.2*8*2