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# TENCAN

## Product Brochure



**RESEARCH EQUIPMENT**

## Mini high-speed centrifuge

Mini high-speed centrifuge for separating solid particles from liquids or immiscible liquids of different densities. Ideal for lab, dairy, and chemical applications.

<https://www.planetaryballmills.com/products/research-equipment/mini-high-speed-centrifuge.html>

TENCAN



## Product Overview

Mini high-speed centrifuge for separating solid particles from liquids or immiscible liquids of different densities. Ideal for lab, dairy, and chemical applications.



### Mini High-Speed Centrifuge

LX-15KS

Brushless DC Motor,  
Stable Operation  
Speed Up to 15,000 rpm

Easy Maintenance  
Corrosion-Resistant Rotor



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Corrosion-Resistant Rotor





## Product Introduction

Micro high-speed centrifuge is mainly used to separate solid particles from liquid in suspension; or to separate two liquids with different densities and immiscible in emulsion (such as separating cream from milk); it can also be used to remove liquid from wet solids, such as laundry. The machine spins dry wet clothes; special ultra-fast tube separators can also separate gas mixtures of different densities; taking advantage of the different sedimentation speeds of solid particles of different densities or particle sizes in liquids, some sedimentation centrifuges can also classify solid particles according to density or particle size.

Desktop microcentrifuge for general use in laboratories. It has low noise, high speed, long life, small size, light weight, and is easy to carry. It can meet the scientific research and routine needs of many industries such as universities, scientific research institutions, food, agriculture, petroleum, and medical and health institutions.

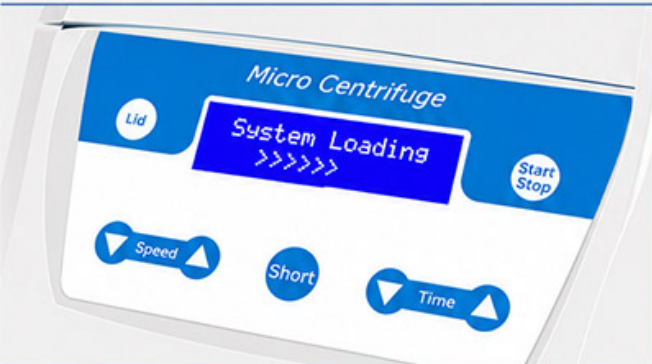
Dispersion Series

# Product Features

1. Microprocessor digital control of time and speed, accurate and intuitive.
2. Attractive styling and compact appearance; suitable for use on laboratory benches, in safety cabinets, or in cold environments.
3. Maximum capacity: 12 × 1.5 mL centrifuge tubes.
4. The centrifuge chamber uses an airflow design to keep samples at a low temperature without damaging them.
5. Quiet and stable operation; the brushless maintenance-free motor provides higher acceleration and smoother performance.
6. After running at maximum speed for 30 minutes, the temperature rise is only 10°C.
7. User-friendly buttons, easy operation, convenient for quick spin centrifugation.
8. Corrosion-resistant rotor, autoclavable at high temperature and pressure, reduces sample contamination and improves experimental efficiency.
9. The centrifuge lid has a self-locking function and cannot be opened during centrifugation; the lid opens automatically after the rotor stops.

## Lid Viewing Window

Monitor the experiment  
in real time



## Window-style Display Screen

Clear readings, easy setup

## Stainless Steel Sample Lid

Easy to install, stable  
and secure



## Technical parameters

### Dispersion Series

# Parameter Introduction

Model	LX-15KS
Speed Range (rpm)	500-15000
Centrifugal Force (g)	16-15080
Sample Capacity (mL)	12 × 2 or 1.5 mL centrifuge tubes
Timer Setting	15S-99min59S/8
Acceleration Time (s)	14 (0-15000 rpm)
Deceleration Time max (s)	14 (15000 to 1000 rpm)
Rotor Temp Rise max (°C)	5 (ambient 25°C, 15000 rpm, 30 min)
Detection Function	Automatic imbalance detection
Protection Function	Over-temperature protection
Input Power (W)	120
Input Voltage	DC24V/5A
Overall Dimensions (mm)	255×194×140
Ambient Temperature (°C)	0-35
Relative Humidity (%)	≤70
Power Supply (V)	110-220
Gross Weight (kg)	4
Net Weight (kg)	3.5

## Product Features

1. Microprocessor digital control of time and speed, accurate and intuitive
2. Beautiful shape and simple appearance, can be used on experimental benches or safety cabinets or in cold environments
3. Maximum capacity: 12x1.5ml or 1.5ml centrifuge tube
4. The inner chamber of the centrifuge is designed with an air flow pattern to ensure that the sample is kept at low temperature without damaging the sample.
5. Quiet and stable operation, brushless and maintenance-free motor ensures higher acceleration and smoother operation of the centrifuge.
6. After running at the highest speed for 30 minutes, the temperature rise is only 10°C
7. Humanized buttons, simple operation, convenient for instant centrifugation
8. The corrosion-resistant rotor can be sterilized by high temperature and high pressure to reduce sample contamination and improve experimental efficiency.
9. The centrifuge cover has a self-locking function and cannot be opened during centrifugation. The cover will open automatically after the rotor stops rotating.

## Accessories & Customization

### Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

### Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.