

Laboratory-Grade Refrigerated Centrifuge With 30 Programmable Memory Programs And Angle Rotor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: MKE
- Certification: CE, ISO, IUUV
- Model Number: TGL-20M



Product Specification

- Product Type: High Speed Refrigerated Laboratory Centrifuge
- Max Speed: 21000 Rpm
- Max Rcf: 31061 X G
- Angle Rotor: 4x100ml
- Rotor: Angle Rotor
- Programmable Memory: 30 Programs
- Display: LCD
- Warranty: 1 Year
- Parameters: Speed, timer, RCF, temperature, rotors
- Refrigerant: R134a
- Power Requirements: 110/220V, 50Hz/60Hz
- Noise: <58DB
- Highlight: **Laboratory-Grade Refrigerated Centrifuge, 30 Programmable Memory Refrigerated Centrifuge**



More Images



Product Description

Benchtop high speed refrigerated centrifuge TGL-20M can reach a maximum speed of 21000rpm, it can fit fixed angle head rotors for variable volumes, the max capacity is 4*100ml.

The refrigeration feature allows for temperature control during the separation process, which is important for maintaining the integrity of certain samples. It is designed to accommodate various types of fixed-angle rotors and adapters, making it suitable for high-speed centrifugation of volumes ranging from 0.2ml to 100ml. Its compact design makes it ideal for laboratories with limited space.



Features of High Speed Refrigerated Centrifuge TGL-20M

Design

- Metal housing, metal lid, and stainless steel centrifuge chamber are autoclave-able and resistant to detergents and disinfection liquids.
- Microprocessor control with frequency conversion A.C. motor drive
- LCD Display the parameters of Speed, Timer, RCF, Rotors, Program(Memory), Acceleration & Deceleration information and Error code information.
- Observations window on lid for speed calibration and noise measurement.
- Double layers sealing ring made for the centrifuge lid and the instrument to keep long good sealing.

User friendly

- CFC-free refrigerant, temperature sensor inside the chamber, pre-cooling feature, precise temperature control up to -20°C .
- Provides the 10 acceleration rates and 10 braking ramp, to effectively avoid secondary sedimentation, with better centrifugation effect.
- Automatic lid-locking and holding during rotor run
- Programmable and storable, stores up to 30 programs and provides direct user access with one keystroke save. The stored parameter: combination remains in the memory even after the centrifugation has been switched off.
- Easily exchangeable rotors, special rotor connector which makes it easy to load and unload rotor.
- Automatic troubleshooting with indication of error code and alarm on the screen.
- Noise level lower than 58 decibel at the highest rotational speed.
- Automatic rotor identification system, coded rotor identification prevents the rotor from over speeding.

Safety

- Safety and Standards Certification: CE
- Product Safety: EN61010-1 and EN 61010-2-020 ,
- Electromagnetic Compatibility: EN 61326-1
- Safety Electrical lid interlock, door can not open when rotor is running and machine won't run when lid open and error code appears.
- Emergency lid-lock release when power failure (very useful in an unexpected power interruption).
- Gas hinge for lid drop protection.
- Safety protections are made for the over speed, over heating (motor, chamber), imbalance etc to ensure the man machine safety.

Tech Specs

Max. RPM	0-21000rpm adjustable	Speed accuracy	$\pm 10\text{r/min}$
Max.Capacity	4 x100ml	Temp. Range	$-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$
Max.RCF	0-31061xg adjustable	Temperature control accuracy	$\pm 1^{\circ}\text{C}$
Time control	1-99minutes 59s adjustable	ACC/DEC	10/10 steps
Noise level (dB)	$\leq 58\text{dB(A)}$	Program memory	30
Display	LCD	Weight without rotor (kg)	80 kg

We have a standardized production workshop operated by a dedicated team that ensures quality in every laboratory centrifuge and lab equipment we produce. Our R&D division includes design engineers, technology specialists, qualified experts, and process control managers. Following a strict quality control system, our specialists oversee the entire production process, from design and R&D to testing, production, quality inspection, and packaging.

- Specialize in centrifuges.
- With decades of experience, we've exported to 80+ countries.
- Proven Reputation: SGS and Intertek inspected, underlining our reliability.
- Manufacturing Capabilities: 6 floors, 3000 sqm each, dedicated to manufacturing and quality control.

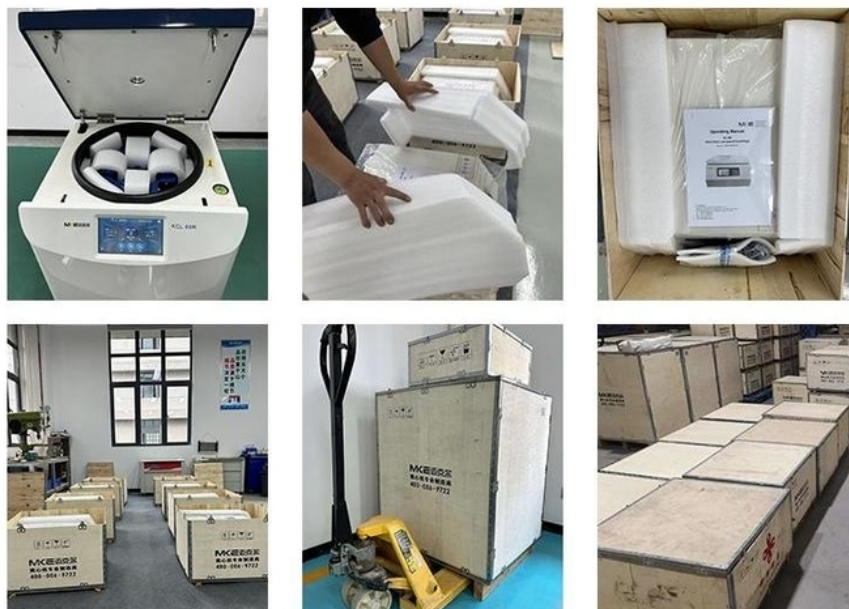


MKE Exhibition

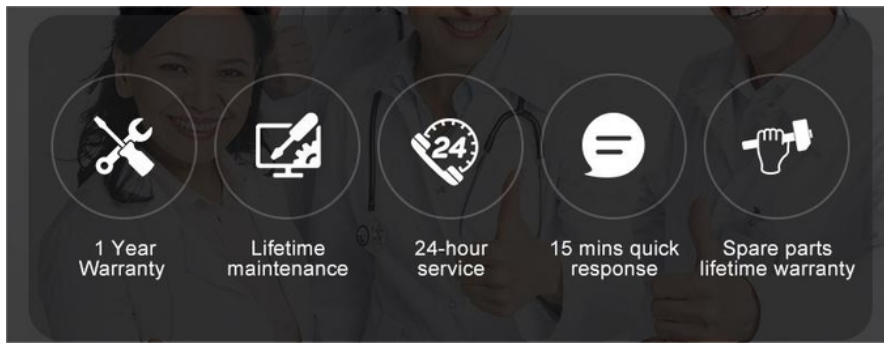


Packaging & Delivery

MKE centrifuges are securely packaged in wooden cases or carton boxes, selected according to the weight and size of the goods. This ensures they are delivered in excellent condition to customers worldwide.



After-Sale WARRANTY



FAQ

Q: How long is the production lead time?

A: Within 7-15 workdays after receiving deposit.

Q: What's your warranty?

A: All MKE products have ONE year warranty, five-year motor warranty. We won't charge clients any money for repairing the machine during one-year warranty time, the freight is also on us.

Q: How about the sample of MKE Centrifuge?

A: We could send you the samples but the freight and the sample are charged.

Q: Which kinds of Certificate would you have?

A: ISO9001, ISO13485, CE

Q: Do you offer centrifuges with voltage and plug options suitable for my country/region?

A: Yes, we provide centrifuges with various voltage and plug options to meet different country/region requirements. Please let us know your specific needs, and we will ensure compatibility.

Q: Are there customized options available for specific applications?

A: Absolutely! We offer customization options to meet specific application needs. Let us know your requirements, and we will tailor the centrifuge accordingly.



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