

Large Capacity Benchtop Refrigerated Centrifuge 400ml for High-Demand Lab Workflows

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: Benchtop Refrigerated Centrifuge 400ml For Laboratory
- Rotor: Angle Rotor
- Acceleration: 10 Acceleration Profiles
- Control System: Microprocessor Control With LCD Display
- Rotor Identification: Automatic
- Timer Range: 1min To 99min
- Motor: Brushless AC Motor
- Applications: Scientific Research, Medical Laboratories
- Temperature Accuracy: $\pm 1^{\circ}\text{C}$
- RCF: 31061xg
- Max Speed: 21000rpm
- Highlight: 400ml Benchtop Refrigerated Centrifuge, Large Capacity Benchtop Refrigerated Centrifuge



More Images



Product Description

Description

The benchtop high-speed refrigerated centrifuge TGL-20M offers an impressive maximum speed of 21,000 rpm, making it a powerful tool for various applications. Its adaptable fixed-angle head rotors can handle variable volumes, with a maximum capacity of 4 x 100ml. The built-in refrigeration feature ensures precise temperature control, crucial for maintaining sample integrity during the separation process.

Designed to accommodate a wide array of fixed-angle rotors and adapters, this centrifuge is versatile, capable of handling volumes ranging from 0.2ml to 100ml. Despite its robust capabilities, its compact design makes it a perfect fit for laboratories with limited space, offering efficiency without compromising on performance.

Tech Specification of high speed refrigerated centrifuge

Max. RPM	0-21000rpm adjustable	Speed accuracy	±10r/min
Max.Capacity	4 x100ml	Temp. Range	-20 °C ~ 40°C
Max.RCF	0-31061xg adjustable	Temperature control accuracy	±1°C
Time control	1-99minutes 59s adjustable	ACC/DEC	10/10 steps
Noise level (dB)	≤58dB(A)	Program memory	30
Display	LCD	Weight without rotor (kg)	80 kg
Dimension	600x570x380mm(LxW xH)	Power supply	AC220V,50HZ,10A; 880W

Features of High Speed Refrigerated Centrifuge

Precise Temperature Control System

Equipped with an efficient, eco-friendly refrigeration system with a temperature range of -20°C to +40°C. It maintains stable temperatures at high speeds to protect sensitive samples, making it ideal for temperature-sensitive experiments.

High-Capacity, High-Speed Design

Supports a variety of rotors, with maximum speeds up to 20,000 rpm, suitable for high-volume and rapid centrifugation needs across biochemistry, molecular biology, and clinical research applications.

Multi-Function Digital Display

Features an LCD digital display that shows real-time parameters such as speed, RCF, temperature, and time. The intuitive interface allows easy adjustments during experiments.

Customizable Acceleration and Deceleration Curves

Offers multiple acceleration and deceleration curves, allowing users to customize settings according to experimental requirements, effectively preventing secondary sedimentation and improving centrifugation results.

Quiet Operation with Patented Technology

Incorporates "MUTE" technology, keeping noise levels below 58 dB even at maximum speeds. This ensures a quiet lab environment, suitable for long-term, continuous operation.

Flexible Rotor Options

Equipped with a range of rotor choices, including both swing-out and fixed-angle rotors. It supports various tube capacities and microplates, making it adaptable to a wide range of applications.

Comprehensive Safety Features

Includes an electronic lid lock, overspeed protection, over-temperature protection, and imbalance detection, meeting international safety standards (such as IEC 61010) to ensure user and equipment safety.

Intelligent Fault Detection and Alerts

Built-in self-diagnosis system automatically detects operational issues and displays error codes on the screen, allowing for quick troubleshooting by lab personnel.

Eco-Friendly and Energy Efficient Design

Designed with sustainability in mind, featuring a CFC-free refrigeration system that minimizes environmental impact, aligning with the sustainability goals of modern laboratories.

No.	Item	Max. capacity	Max.speed	Max.RCF	Note
NO.1	Angle rotor	12×1.5/2.2ml	21000r/min	31061xg	PP/PC tube
	Adapter	12×0.5ml			PP/PC tube
	Adapter	12×0.2ml			PP/PC tube
NO.2	Angle rotor	12×5ml	16500r/min	19480xg	PP/PC tube
	Adapter	12×1.5ml			PP/PC tube
NO.3	Angle rotor	12×10ml	15000r/min	21130xg	PP/PC tube
	Adapter	12×5ml			PP/PC tube
	Adapter	12×1.5ml			PP/PC tube
NO.4	Angle rotor	24×1.5/2.2ml	16000r/min	24041xg	PP/PC tube
	Adapter	24×0.5ml			PP/PC tube
	Adapter	24×0.2ml			PP/PC tube
NO.5	Angle rotor	48×1.5/2.2ml	14000r/min	20379xg	PP/PC tube
	Adapter	48×0.5ml			PP/PC tube
	Adapter	48×0.2ml			PP/PC tube
NO.6	Angle rotor	12×8×0.2ml	12000r/min	16985xg	PCR 8-tube strips
NO.7	Angle rotor	10×15ml	13000r/min	19650xg	PP/PC tube
	Adapter	10×5ml			PP/PC tube
	Adapter	10×1.5ml			PP/PC tube

NO.8	Angle rotor	6×50ml	13000r/min	18327xg	PP/PC tube
	Adapter	6×15ml			PP/PC tube
	Adapter	6×10ml			PP/PC tube
	Adapter	6×1.5ml			PP/PC tube
NO.9	Angle rotor	4×10/100ml	11000r/min	13284xg	PP/PC tube
	Adapter	4×50ml			PP/PC tube
	Adapter	4×15ml			PP/PC tube
	Adapter	4×10ml			PP/PC tube
	Adapter	4×5ml			PP/PC tube
	Adapter	4×1.5ml			PP/PC tube

WHY CHOOSE US

- **Direct from the Manufacturer:** Enjoy competitive pricing on all our products.
- **Certified Excellence:** Experience premium quality with our CE and ISO certified products.
- **Customization at Its Best:** Benefit from our robust OEM and ODM capabilities tailored to your specific needs.
- **Reliable Production and Delivery:** Trust us for guaranteed on-time production and delivery of your orders.
- **Comprehensive Support:** Rely on our comprehensive after-sales service, including complimentary product accessories.
- **Expertise You Can Trust:** We stand behind our 15 years of experience in R&D and production of medical centrifuge machines.



Our Factory Introduction

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.

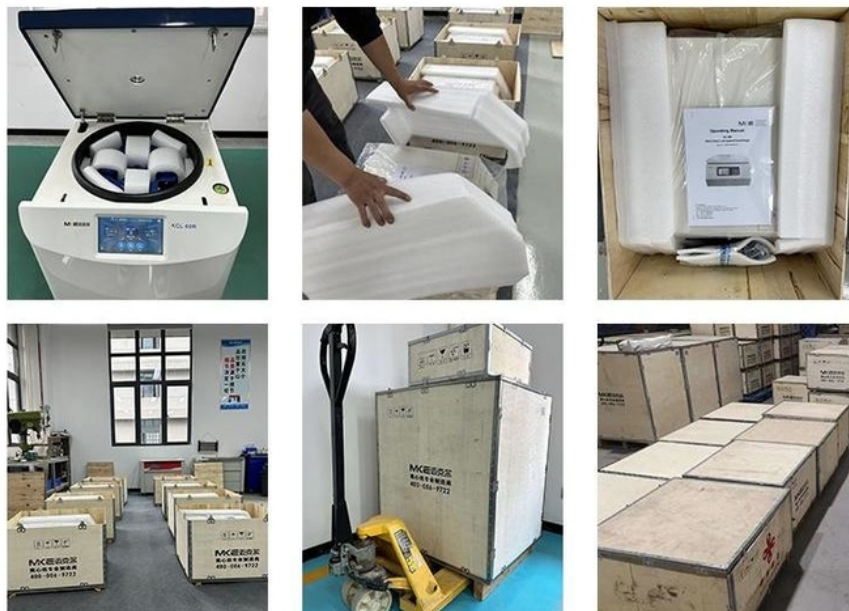


MKE Exhibition

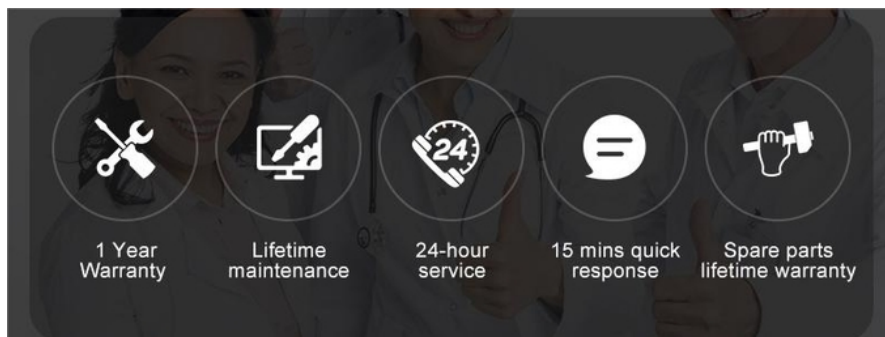


Packaging & Delivery

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.



Professional
Centrifuge
Manufacturer

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