

Large Capacity Desktop Type Refrigerated Centrifuge with Adjustable Speed and RCF

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: MKE
- Certification: CE, ISO, IUUV
- Model Number: TDL-5M



Product Specification

- Product Type: Desktop Type Refrigerated Centrifuge With Adjustable Speed And RCF
- Speed Accuracy: $\pm 10\text{rpm}$
- Timer Range: 1-99min
- Max Capacity: 4x750ml Swing Rotor
- Rotor Compatibility: Fixed Angle Rotors And Swing Rotors
- Application: Medical Center, Laboratory Research
- Temperature Accuracy: $\pm 1^\circ\text{C}$
- Rcf: 4752 Xg
- Parameters: Speed, timer, RCF, temperature, rotors
- Temperature Control Range: $-20^\circ\text{C} \sim 40^\circ\text{C}$
- Power Supply: 110V/220V, 50Hz/60Hz
- Programmable Memory: 30 Programs
- Noise: $<58\text{DB}$



More Images



Product Description

Our TDL-5M low-speed refrigerated centrifuge represents the pinnacle of precision for scientific research and medical laboratories. Engineered specifically to separate substances with varying densities, this centrifuge provides accuracy and reliability with every use, ensuring exceptional performance in sample processing.



The built-in refrigeration feature enables precise temperature control throughout the centrifugation process. This temperature stability is essential for preserving delicate samples, guaranteeing accurate results in even the most sensitive applications. Trusted by professionals in research and medical labs, the TDL-5M allows for seamless separation and in-depth analysis across various sample types, making it indispensable in biochemistry, clinical research, and pharmaceutical studies.

Tech Specification

Speed range(rpm)	0-6000rpm adjustable	Time range	1-99minutes 59s adjustable
Max Capacity(ml)	4*750ml	Speed accuracy	±10r/min
RCF range (xg)	0-4752xg adjustable	ACC/DEC	1-10 rates
Temperature control range	-20°C +40°C	Temperature control accuracy	±1 °C
Noise(dBA)	≤58dB(A)	Net weight(without rotor)	100KGS
Refrigerant	R404A	Power supply	AC220V,50HZ,10A, 1300W
Dimension(mm)	670x730x400mm(LxWxH)		

Features of Large Capacity Refrigerated Centrifuge Low Speed for Laboratory Use

Innovative Design

Robust Construction: Made with a durable metal housing, metal lid, and a stainless steel chamber, this centrifuge is both autoclave-able and resistant to various detergents and disinfectants, ensuring long-term resilience.

Precision Control: Powered by a microprocessor and a frequency conversion A.C. motor drive, the TDL-5M ensures precise and consistent performance, enhancing experimental reliability.

Intuitive Interface: An LCD display provides real-time feedback on Speed, Timer, RCF, Rotor settings, Program (Memory), Acceleration & Deceleration, and Error codes. This user-friendly interface simplifies operation and maximizes efficiency.

Efficiency and Adaptability

Programmable Memory: The centrifuge can store up to 30 custom programs, with settings preserved even after shutdown, allowing for seamless continuity in experimental workflows.

Versatile Rotor Options: The centrifuge is designed with interchangeable rotors and a specialized connector for easy loading and unloading, adapting effortlessly to diverse applications.

Quiet Operation: Equipped with patented “Mute” technology, the centrifuge operates at noise levels below 58 decibels, delivering high efficiency without unnecessary noise.

Enhanced Safety Features

Built-In Safety Mechanisms: Designed according to international standards (IEC 61010), the centrifuge includes an electrical lid interlock, preventing operation if the lid is open to ensure user safety.

Emergency Protocols: In the event of a power failure, an emergency lid-lock release activates for quick access. Additionally, a gas hinge protects against accidental lid drops, adding an extra layer of safety.

Comprehensive Rotor Protections: Safety features include over-speed and over-temperature safeguards for the motor and chamber, as well as imbalance detection, protecting both the user and the centrifuge.

Matched Rotors

No.	Item	Max. capacity	Max.speed	Max.RCF	Note
NO.1	Angle rotor	12x15/10/5ml	6000r/min	4588xg	PP/PC tube
	Adapter	12x2ml			PP/PC tube
NO.2	Swing rotor	steel frame rotor	5000r/min	4752xg	PP/PC tube
	Swing frame	4x100ml			PP/PC tube
	Adapter	4x15/10ml			PP/PC tube
	Swing frame	4x50ml			PP/PC tube
	Adapter	4x15/10ml			PP/PC tube
NO.3	Swing rotor	steel frame rotor	4000r/min	3041xg	PP/PC tube
	Swing frame	4x2x100ml			PP/PC tube
	Adapter	4x2x15/10ml			PP/PC tube
	Swing frame	4x2x50ml			PP/PC tube
	Adapter	4x2x15/10ml			PP/PC tube
	Swing frame	4x8x15/10/5ml			PP/PC tube
	Rack	4x12x5/2ml			PP/PC tube
NO.4	Swing bucket	4x18x2/5ml	4000r/min	2773xg	Vacuum blood collection tubes
NO.5	Swing bucket	4x600ml	4000r/min	3354xg	Square cup
	Adapter	4x25x5/2ml			Vacuum blood collection tubes
	Adapter	4x12x15/10ml			PP/PC tube
	Adapter	4x5x50ml			PP/PC tube
	Adapter	4x4x100ml			PP/PC tube
NO.6	Swing bucket	4x500ml	4000r/min	3354xg	Round cup
	Adapter	4x17x5/2ml			PP/PC tube
	Adapter	4x8x15/10ml			PP/PC tube
	Adapter	4x3x50ml			PP/PC tube
	Adapter	4x100ml			PP/PC tube
NO.7	Swing bucket	4x750ml	4000r/min	3443xg	Round cup
	Adapter	4x26x5/2ml			PP/PC tube
	Adapter	4x13x15/10ml			PP/PC tube
	Adapter	4x5x50ml			PP/PC tube
	Adapter	4x3x100ml			PP/PC tube

NO.8	Microplate rotor	2×2×96hole	4200r/min	2860xg	Square cup
	Adapter	2×32×1.5ml			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.

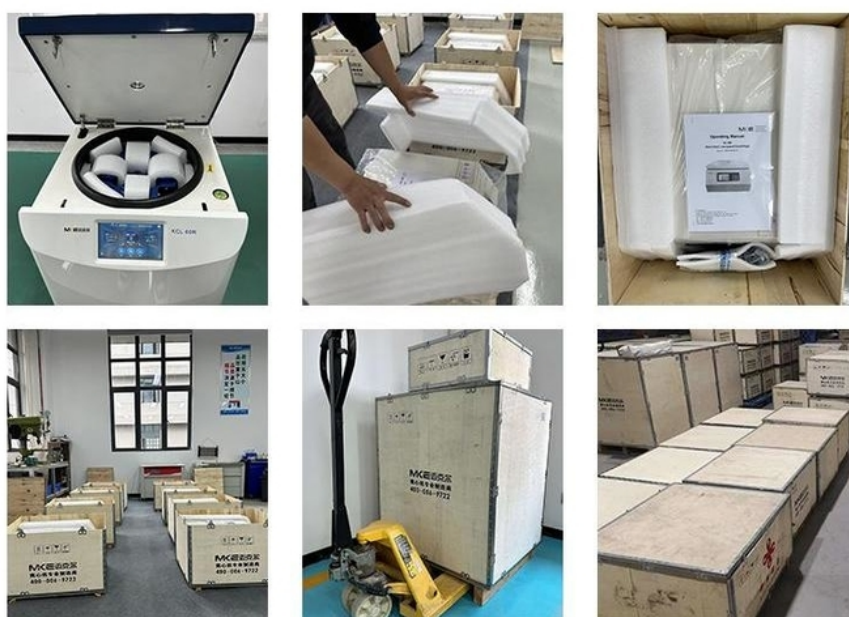


MKE Exhibition

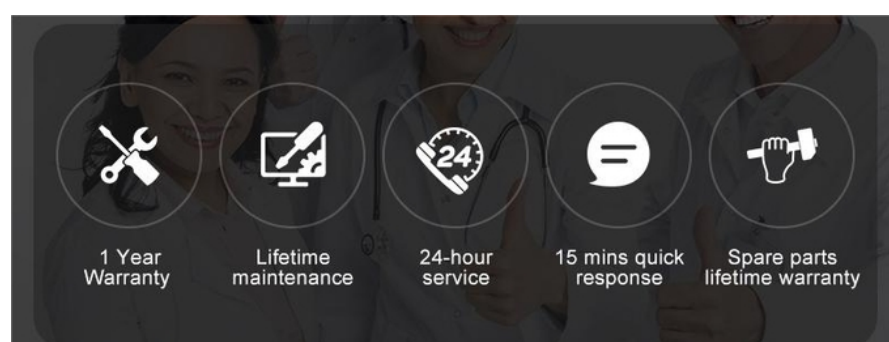


Packaging & Delivery

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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