

High-Speed Refrigerated Centrifuge For Precision Laboratory Use

Our Product Introduction

for more products please visit us on mkecentrifuge.com

Basic Information

- Place of Origin: China
- Brand Name: MKE
- Certification: CE, ISO, IUUV
- Model Number: TGL-16M



Product Specification

- Product: High Speed Desktop Refrigerated Centrifuge
- Temperature Range: -20°C To 40°C
- Programmable Operations: 30
- Angle Rotor: 4x100ml
- Refrigerant: R134a
- Attributes: Stainless Steel Inner
- Parameters Display: All Parameters Displayed On The LCD
- Warranty: 1 Year
- Rotor Compatibility: Fixed Angle Rotors
- Control: Microprocessor
- Highlight: **Laboratory Refrigerated Centrifuge,
Precision Laboratory Refrigerated Centrifuge,
High Speed Refrigerated Centrifuge**



More Images



Product Description

High speed refrigerated centrifuge TGL-16M can reach a maximum speed of 16500rpm. 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.

Technical Specifications:

Max. RPM	16,500rpm	Speed accuracy	±10r/min
Max.Capacity	4 x100ml	Temp. Range	-20 °C ~ 40°C
Max.RCF	19480xg	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)	70 kg
Dimension (W x D x H, mm)	600x570x380mm(LxWxH)	Power supply	AC220V,50HZ,10A; 880W

User friendly

- CFC-free refrigerant, temperature sensor inside the chamber, pre-cooling feature, precise temperature control up to – 20°C.
- 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.
- 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
- 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.

Design

- Metal housing, metal lid, and stainless steel centrifuge chamber are autoclave-able and resistant detergents and disinfection liquids.
- Observations window on lid for speed calibration and noise measurement.
- Microprocessor control with frequency conversion A.C. motor drive
- LCD touch screen with simple&clear interface for viewing and setting parameters.
- Double layers sealing ring made for the centrifuge lid and the instrument to keep long good sealing.



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(in case of power failure).
- 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.



Matched Rotors(Customized rotors are available)

No.	Item	Max. capacity	Max.speed	Max.RCF	Note
NO.1	Angle rotor	12×1.5/2.2ml	16500r/min	19176xg	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	12000r/min	13523xg	PP/PC tube
	Adapter	12×5ml			PP/PC tube
NO.4	Angle rotor	24×1.5/2.2ml	14000r/min	18407xg	PP/PC tube
	Adapter	24×0.5ml			PP/PC tube
	Adapter	24×0.2ml			PP/PC tube
NO.5	Angle rotor	36×1.5/2.2ml	13000r/min	15304xg	PP/PC tube
	Adapter	36×0.5ml			PP/PC tube
	Adapter	36×0.2ml			PP/PC tube
NO.6	Angle rotor	12×8×0.2ml	12000r/min	16985xg	PCR 8-tube strips
NO.7	Angle rotor	10×15ml	11000r/min	14069xg	PP/PC tube
	Adapter	10×10ml			PP/PC tube
	Adapter	10×5ml			PP/PC tube
NO.8	Angle rotor	6×50ml	11000r/min	13122xg	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	10000r/min	10979xg	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

If you require more rotor options, such as swing out rotors, we also have other refrigerated centrifuges available, [please contact us](#) to recommend the suitable model for you!

Other Refrigerated Centrifuge



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.

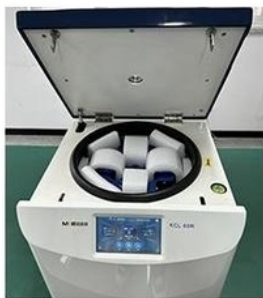


MKE Exhibition

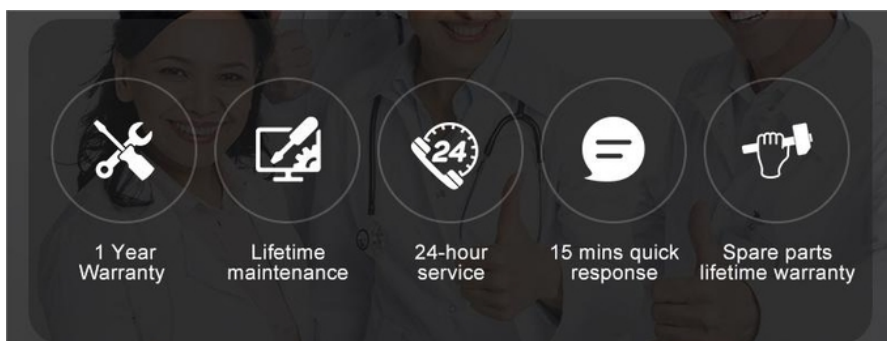


Packaging & Delivery

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

Hunan Michael Laboratory Instrument Co., Ltd.



+86-17775883371



Shirley@mke-lab.com



mkecentrifuge.com

MKE Building, Sanhe Zhihui Industrial Park, Guyuan Road No. 426, Changsha High-tech Development Zone, Hunan, China

