

CenLee



CENTRIFUGES AND ACCESSORIES



Changsha CenLee Technology Co., Ltd



COMPANY PROFILE

Changsha CenLee Technology Co., Ltd. is a high technology enterprise whose headquarter is located in Changsha, Hunan-The birthplace of China's centrifuge. We engaged in manufacturing centrifuges and laboratory instruments with over 40 years of experience.(Centrifuge machines including medical centrifuge, laboratory centrifuge, high speed centrifuge, low speed centrifuge, prp centrifuge, blood bank centrifuge, clinical centrifuge, tabletop centrifuge or benchtop centrifuge, refrigerating centrifuge, centrifuge for sale, centrifuge tube, centrifuge accessories, etc.)

Since 1980, we've cooperated with Tomy in Japan and Beckman in the United States and focused on China's centrifuge research and development, after more than 40 years of cultivation, we have established long-term cooperation with customers over 50 countries around the world, such as America, Germany, Japan, Turkey, India, Mexico, and Vietnam. And we are enjoying good reputation among our customers. With 4 national branches, 30+ R & D team, 20 product certifications, 80+ patents, 20000m² production base, we can always provide our customers with cutting-edge products at competitive price. Our vision is to provide science and technology workers with Chinese intelligent precision instruments, promote the development of life science through high-tech products, and become the backbone of the field of life science instruments and equipment. Customers' satisfaction is our unremitting pursuit of the goal.



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HIGH SPEED REFRIGERATED CENTRIFUGE

CFH2500R

Widely used in universities , scientific research , bioengineering and other fields .



TECHNICAL PARAMETER

Maximum speed	25000r/min
Maximum RCF	64800×g
Maximum capacity	4000ml
Sample range	0.5ml-750ml
Speed accuracy	±10r/min
Temperature range	-20°C ~ +40°C
Temperature accuracy	±1°C
Timing range	1 min-99h59min
Power supply	AC 220V 50Hz 35A
Power	5.5KW
Machine noise	≤65dB(A)
External dimensions	710×820×1150(mm)
Packing dimensions	800×920×1480(mm)
Net weight	320kg

PRODUCT FEATURES

- Microcomputer-controlled with a touch panel, LCD/LED dual display for speed, force, temp, time, rotor details, programs, and gears. Sync display, auto-memory, direct RCF start, and in-operation parameter changes without shutdown.
- High-torque brushless variable frequency motor with direct drive, outperforming belt drive for stability and precision. European ultra-high speed bearings for smooth, maintenance-free operation.
- Multi-layer vibration damping structure with European fluorine-free compressor, low vibration, noise, and eco-friendly.
- Vertical steel body, stainless steel chamber, imported components for durability and easy cleaning.
- Rotor identification system with comprehensive protections like overtemp, overspeed, door self-lock, imbalance. Host & rotor lifespan calculation, instant & continuous centrifugation for safety.
- Chamber pre-cooling for fast cooling. Exclusive SCT speed control for quick lifting/lowering, saving time & enhancing efficiency.
- 0-9 gears with 10 lifting/lowering rates or direct time input. Store 40 custom modes for optimal centrifugation.
- Pulse function enables versatile centrifugation for diverse applications.
- Manual reset function. Optional PC interface for interconnection and management.
- Countdown displayed in seconds for precision timing under 1 minute.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO. 1	24 × 1.5/2.2ml(titanium alloy)	25000	64800
Angle rotor	NO.2	18 × 10ml	23000	60460
Angle rotor	NO.3	8 × 50ml	21000	52356
Angle rotor	NO.4	6 × 250ml	14000	30070
Angle rotor	NO.5	6 × 500ml	10000	18705
Angle rotor	NO.6	4 × 1000ml	8000	12040
Swing rotor	NO.7	4 × 750ml	4000	3500
Micro plate rotor	NO.8	4 × 2 × 96well	4000	3040
Angle rotor	NO.9	12 × 50ml(Conical)	14000	30070
Angle rotor	NO. 10	4 × 250ml	14000	27100

EXAMPLE OF ROTORS



Max speed: 25000r/min
Max RCF: 64800×g
Capacity: 24×1.5/2.2ml
Adapter: 0.5ml/0.2ml



Max speed: 23000r/min
Max RCF: 60460×g
Capacity: 18×10ml



Max speed: 21000r/min
Max RCF: 52356×g
Capacity: 8×50ml



Max speed: 14000r/min
Max RCF: 30070×g
Capacity: 6×250ml



Max speed: 10000r/min
Max RCF: 18705×g
Capacity: 6×500ml



Max speed: 8000r/min
Max RCF: 12040×g
Capacity: 4×1000ml

HIGH SPEED REFRIGERATED CENTRIFUGE GL21M

GL21M high speed refrigerated centrifuge with a unique design has a rapid and efficient separation of samples. This centrifuge meets your needs for the flexibility and high efficiency of large volume sample separation. Widely used in biopharmaceutical, bioengineering, genetic engineering, etc.



TECHNICAL PARAMETER

Maximum speed	21000r/min
Maximum RCF	48900×g
Maximum capacity	3000ml
Sample range	0.5ml-500ml
Speed accuracy	±10r/min
Temperature range	-20°C ~ +40°C
Temperature accuracy	±1°C
Timing range	1 min-99h59min
Power supply	AC 220V 50Hz 35A
Power	5.5KW
Machine noise	≤65dB(A)
External dimensions	710×820×1150(mm)
Packing dimensions	920×800×1370(mm)
Net weight	300kg

PRODUCT FEATURES

- Touch panel with LED/LCD dual display shows speed, force, temp, time, rotors, programs, and gear adjustments. Sync display and free control. Independent safety chip ensures efficient, safe operation. Moderate height for easy use. Parameters adjustable during operation.
- High-power brushless motor with direct drive outperforms belt drive, offering stability, precision, and longevity. European ultra-high speed bearings with advanced governor ensure smooth operation.
- Imported compressor (R404a refrigerant) provides powerful, fluorine-free refrigeration. Adjustable temp, high precision, low vibration, noise, and eco-friendly.
- Steel body, stainless steel chamber for durability and easy cleaning.
- Customizable programs: 9 daily programs, 0-9 up/down rates, and 40 custom modes. Calculates RCF values.
- Advanced vibration reduction system minimizes resuspension, maximizing sample yield. Chamber precooling for fast cooling and lifting speed.
- Dual safety locks and comprehensive protection functions like overtemp, overspeed, door self-lock, imbalance detection, and fault diagnosis ensure personal and instrument safety.
- Pulse function enables versatile centrifugation, from high-speed to low-speed large-capacity, making it a multi-purpose machine suitable for research and production.
- Countdown time displayed in seconds for precision timing under one minute.
- Excellent temperature control maintains all rotors at 4 even at max rotation speed.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO. 1	18×10ml (Adapter:18×5ml/ 18×1.5ml)	21000	48900
Angle rotor	NO.2	6×50ml	20000	43000
Angle rotor	NO.3	8×50ml	18000	37600
Angle rotor	NO.4	8×100ml	12000	19800
Angle rotor	NO.5	6×250/300ml	12000	22470
Angle rotor	NO.6	6×500ml	10000	18705
Continuous separation rotor	NO.7	1800ml	14000	21710
Continuous separation rotor	NO.8	3000ml	8000	9450

EXAMPLE OF ROTORS



Max speed: 21000r/min
Max RCF: 48900xg
Capacity : 18×10ml
(Adapter:18×5ml/18×1.5ml)



Max speed: 20000r/min
Max RCF: 43000xg
Capacity: 6×50ml



Max speed : 10000r/min
Max RCF : 18705xg
Capacity: 6×500ml
Adapter: 6×2×50ml(Tip/Round),
6×5×10ml,
6×5×15ml(Tip/Round),
6×10×5ml,
6×13×1.5ml,
6×100ml, 6×250ml



Dim.(O.DxH,mm): 69×167
Capacity: 465ml



Dim.(O.DxH,mm): 68×167
Capacity: 465ml



Dim.(O.DxH,mm): 68×148
Capacity: 405ml

HIGH SPEED LARGE CAPACITY REFRIGERATED CENTRIFUGE CFH10R

Widely used in research and production , highly praised by our customers



TECHNICAL PARAMETER

Maximum speed	10000r/min
Maximum RCF	18300×g
Maximum capacity	6000ml
Sample range	0.5ml-750ml
Speed accuracy	±10r/min
Temperature range	-20°C ~ +40°C
Temperature accuracy	±1°C
Timing range	1 min-99h59min
Power supply	AC 220V 50Hz 30A
Power	5.5KW
Machine noise	≤65dB(A)
External dimensions	820×710×1150(mm)
Packing dimensions	920×800×1370(mm)
Net weight	300kg

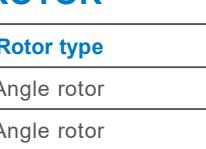
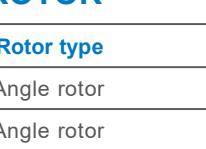
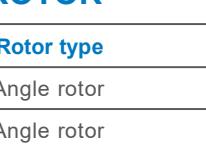
PRODUCT FEATURES

- Microcomputer-controlled with touch panel, LCD-LED dual display, showing real-time stats like speed, force, temp, time, rotors, programs, and gear adjustments. Parameters auto-memorized, RCF quick-start, and adjustable during operation.
- High-torque brushless motor, direct drive for stability and accuracy. European bearings ensure ultra-high speed and maintenance-free operation.
- Multi-layer vibration reduction, fluorine-free European compressor for low noise and eco-friendliness. Durable steel body, stainless steel chamber, and imported parts for easy cleaning.
- Safety features include overheat, overspeed, door self-lock, imbalance protection, and lifespan calculations. Supports instant and continuous centrifugation methods.
- Pre-cooled centrifugal chamber for fast cooling. Exclusive SCT speed control for quick acceleration/deceleration.
- 10 lifting/ lowering rates in 0-9 gears, storing 40 custom modes for optimal centrifugation.
- Unique SBT control and rotor design maximize sample yield, with jog function for short centrifugations.
- Suitable for high-capacity and high-speed centrifugation, with diverse functions and countdown displayed in seconds .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	6 × 250ml	10000	18300
Angle rotor	NO.2	6 × 500ml	8000	11680
Angle rotor	NO.3	6 × 1000ml	7200	12166
Swing out rotor	NO.4	4 × 1000ml	4000	4050

EXAMPLE OF ROTORS

 Max speed: 8000r/min Max RCF: 11680xg Capacity: 6×500ml	    	    	    	Max speed : 10000r/min
				Max RCF : 18300xg
				Capacity: 6×250ml,
				Adapter: 48×1.5ml、30×10ml、30×15ml(Conica)、6×50ml(Conica/Round)、6×100ml

PREPARATIVE LARGE-CAPACITY REFRIGERATED CENTRIFUGE CFL6R

Flexible anti-friction system can reduce wind resistance and speed up the time to maximum speed:Eco-friendly 404a refrigerant, fluorine-free high efficiency refrigeration:6L large capacity separation:The stainless steel panel control box can be made according to customer requirements to meet the GMP requirements of the pharmaceutical industry:Widely used in radio immunoassay, biochemistry, pharmaceutical and other industries, especially the separation and purification of blood products .



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	6680×g
Maximum capacity	6000ml(6×1000ml)
Speed accuracy	±10r/min
Temperature range	-20°C~ +40°C (1°Cadjustable)
Temperature accuracy	±1°C
Timing range	1 min-99h59min
Voltage	AC 220V 50Hz 20A
Power	3KW
Noise	≤65dB (A)
Product dimensions	830×720×1250(mm)
Packing dimensions	910×800×1380(mm)

PRODUCT FEATURES

- Touch panel , LED digital or LCD large screen liquid crystal display, parameters can be changed arbitrarily during operation .
- Adopt high-power brushless frequency conversion speed motor, European imported ultra-high speed bearings, and equipped with the most advanced frequency conversion speed controller.
- Adopting imported compressor unit (refrigerant R404a) , the temperature can be adjusted arbitrarily, high temperature control precision , small vibration , low noise .
- The operating program can be edited , stored and desirable: the user can set 9 programs for daily operation; 0-9 gear up/down rate , and 40 custom working modes can be stored.
- The pre-cooling design of the centrifuge chamber has fast cooling , fast lifting speed , time-saving and high-efficiency.
- System double safety door lock; over-temperature , over-speed , door self-locking , imbalance and other protection functions and fault self-diagnosis system .
- Pulse function , short centrifugation , convenient for diverse centrifugation .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO. 1	6 × 500ml	6000	6680
Swing out rotor	NO.2	6 × 1000ml	4200	5100

EXAMPLE OF ROTORS

NO.1



Max speed: 6000r/min

Max RCF: 6680xg

Capacity: 6×500ml

Adapter: 6×2×50ml(Conica/Round), 6×5×10ml, 6×5×15ml(Conica/Round), 6×10×5ml, 6×13×1.5ml, 6×100ml, 6×250ml

Rotors	Hanging cup	Adapter	Capacity	Adapter	Capacity
NO.2			6×1×500ml (Conica/Round)		6×1×300ml
			6×1×250m(Conica)		6×1×200mlBlood bag
			6×3×100ml		6×5×50ml (Conica/Round)
Max speed: 4200r/min Max RCF: 5100xg Capacity: 6×1000ml	Max speed: 6×1000ml		6×14×15ml (Conica/Round)		6×37×7ml
			6×24×5ml		6×28×1.5ml
				Blood bag	

LOW SPEED LARGE CAPACITY CENTRIFUGE CFL6V

Flexible anti-friction system can reduce wind resistance and speed up the time to maximum speed.
6L large capacity separation.

The stainless steel panel control box can be made according to customer requirements to meet the GMP requirements of the pharmaceutical industry.

6L large capacity separation.



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	6680×g
Maximum capacity	6000ml(6×1000ml)
Speed accuracy	±10r/min
Timer range	1 min-99h59min
Voltage	AC 220V 50Hz 20A
Power	2.5KW
Noise	≤65dB (A)
Product dimensions	830×720×1250(mm)
Packing dimensions	910×800×1380(mm)
Net weight	300kg

PRODUCT FEATURES

- Touch panel, LED digital or LCD large screen liquid crystal display, parameters can be changed arbitrarily during operation .
- Adopt high-power brushless frequency conversion speed motor, European imported ultra-high speed bearings, and equipped with the most advanced frequency conversion speed controller.
- The operating program can be edited, stored and desirable: the user can set 9 programs for daily operation; 0-9 gear up/down rate , and 40 custom working modes can be stored.
- System double safety door lock. Over-temperature, over-speed, door self-locking, imbalance and other protection functions and fault self-diagnosis system .
- Pulse function , short centrifugation , convenient for diverse centrifugation .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	6×500ml	6000	6680
Swing out rotor	NO.2	6×1000ml	4200	5100

EXAMPLE OF ROTORS

NO.1



Max speed: 6000r/min

Max RCF: 6680xg

Capacity: 6×500ml

Adapter: 6×2×50ml(Conica/Round), 6×5×10ml, 6×5×15ml(Conica/Round), 6×10×5ml, 6×13×1.5ml, 6×100ml, 6×250ml

Rotors	Hanging cup	Adapter	Capacity	Adapter	Capacity
NO.2			6×1×500ml (Conica/Round)		6×1×300ml
			6×1×250m(Conica)		6×1×200mlBlood bag
			6×3×100ml		6×5×50ml (Conica/Round)
			6×14×15ml (Conica/Round)		6×37×7ml
			6×24×5ml		6×28×1.5ml
					Blood bag

LARGE CAPACITY LOW SPEED CENTRIFUGE DD-5M

Widely used in industries such as radiation immunity, biochemistry, and pharmaceuticals.



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	5120×g
Maximum capacity	3000ml
Speed accuracy	±10r/min
Temperature range	-20°C~ +40°C
Temperature accuracy	±1°C
Timing range	1 min-99h59min
Voltage	AC 220V 50Hz 15A
Power	1700W
Noise	≤60dB (A)
Dimensions	620×740×810 mm
Packing Dimensions	680×780×1000 mm
Net weight	150kg

PRODUCT FEATURES

- Intelligent microcomputer control, large LCD touch screen for parameter data reading/storing, with synchronous display of set and operating values.
- Driven by variable frequency AC motor with FOC vector control system, precise, low noise, energy-saving and eco-friendly.
- 10 acceleration gears, 11 deceleration gears, three sets of damping shock absorbers, high-quality NR rubber shock absorbers for best centrifugal effect.
- Powder-coated outer casing, corrosion-resistant and scratch-resistant; centrifugal chamber of high-quality 304 stainless steel, durable.
- Both mechanical and electronic door locks are reliable.
- (Refrigerated) Excellent rubber isolation ring prevents condensate water from entering motor.
- (Refrigerated) Fluorine-free compressor unit (imported), fast refrigeration, low noise, unique pre-cooling design.
- With various protections ensuring personal and machine safety.
- Compatible with various capacity adapters for multiple uses.
- Displays in seconds when countdown time is less than one minute, allows parameter change during operation.
- Good temperature control, rotors maintained at 4 °C (refrigerated type) at highest speed.

DD-5M ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12×15ml	6000	5120
Swing rotor		4×500ml	4000	3040
Micro plate rotor		4×2×96well	4000	3040
Swing rotor		Four buckets	4000	3040
Swing round bucket	NO.2	4×500ml	4000	3040
Swing bucket		4×24×5ml (vacuum tube)	4000	3040
Swing bucket		4×37×7ml (RIA)	4000	3040
Micro plate rotor	NO.3	2×2×96well	4000	2200
Swing out round bucket	NO.4	4×750ml	4000	3500
Swing out round bucket	NO.5	6×250ml	4000	3580
Swing out round bucket	NO.6	4×250ml	4200	3500

EXAMPLE OF ROTORS



Max Speed: 4000r/min
Max RCF: 3040xg
Capacity: 4×500ml



Capacity: 500ml



Capacity: 500ml



Max Speed: 4000r/min
Max RCF: 2200xg
Capacity: 2×2×96well



Capacity: 2×96well



Capacity: 2×96well



Max Speed: 4000r/min
Max RCF: 3500xg
Capacity: 4×750ml



Capacity: 4×10×15ml



Capacity: 4×24×5ml vacuum tube



Capacity: 4×5×50ml



Capacity: 4×7×20ml



Capacity: 4×3×100ml



Capacity: 4×1×250ml

LARGE CAPACITY LOW SPEED REFRIGERATED CENTRIFUGE DL5M

Widely used in industries such as radiation immunity, biochemistry, and pharmaceuticals.



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	5120×g
Maximum capacity	3000ml
Speed accuracy	±10r/min
Temperature range	-20°C~ +40°C
Temperature accuracy	±1°C
Timing range	1 min-99h59min
Voltage	AC 220V 50Hz 15A
Power	1700W
Noise	≤60dB (A)
Dimensions	620×740×810 mm
Packing Dimensions	680×780×1000 mm
Net weight	150kg

PRODUCT FEATURES

- Intelligent microcomputer control, large LCD touch screen for parameter data reading/storing, with synchronous display of set and operating values.
- Driven by variable frequency AC motor with FOC vector control system, precise, low noise, energy-saving and eco-friendly.
- 10 acceleration gears, 11 deceleration gears, three sets of damping shock absorbers, high-quality NR rubber shock absorbers for best centrifugal effect.
- Powder-coated outer casing, corrosion-resistant and scratch-resistant; centrifugal chamber of high-quality 304 stainless steel, durable.
- Both mechanical and electronic door locks are reliable.
- (Refrigerated) Excellent rubber isolation ring prevents condensate water from entering motor.
- (Refrigerated) Fluorine-free compressor unit (imported), fast refrigeration, low noise, unique pre-cooling design.
- With various protections ensuring personal and machine safety.
- Compatible with various capacity adapters for multiple uses.
- Displays in seconds when countdown time is less than one minute, allows parameter change during operation.
- Good temperature control, rotors maintained at 4 °C (refrigerated type) at highest speed.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12×15ml	6000	5120
Swing rotor		4×500ml	4000	3040
Micro plate rotor		4×2×96well	4000	3040
Swing rotor		Four buckets	4000	3040
Swing round bucket	NO.2	4×500ml	4000	3040
Swing bucket		4×24×5ml (vacuum tube)	4000	3040
Swing bucket		4×37×7ml (RIA)	4000	3040
Micro plate rotor	NO.3	2×2×96well	4000	2200
Swing out round bucket	NO.4	4×750ml	4000	3500
Swing out round bucket	NO.5	6×250ml	4000	3580
Swing out round bucket	NO.6	4×250ml	4200	3500

EXAMPLE OF ROTORS



Max Speed: 4000r/min
Max RCF: 3040xg
Capacity: 4×500ml



Capacity: 500ml



Capacity: 500ml



Max Speed: 4000r/min
Max RCF: 2200xg
Capacity: 2×2×96well



Capacity: 2×2×96well



Capacity: 2×96well



Max Speed: 4000r/min
Max RCF: 3500xg
Capacity: 4×750ml



Capacity: 4×10×15ml



Capacity: 4×24×5ml vacuum tube



Capacity: 4×5×50ml



Capacity: 4×7×20ml



Capacity: 4×3×100ml



Capacity: 4×1×250ml

ULTRA-CAPACITY REFRIGERATED CENTRIFUGE CFL8R

Widely used in fields such as blood stations , pharmaceuticals , and biological products



Max speed : 8000r/min
Max RCF : 14336×g
Capacity : 6×1000ml
Adapter: 24×50ml
(Sharp/Round)
6×250ml, 6×500ml



Max speed: 4600r/min
Max RCF : 7060×g
Capacity : 6×2400ml



Max speed: 4200r/min
Max RCF: 5900×g
Capacity: 6×2×1000ml

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	6×1000ml	8000	14336
Swing out rotor	NO.2	6×2400ml (6x2×500ml Standard triple blood bag)	4600	7060
Swing out rotor	NO.3	6×2×1000ml	4200	5900

BLOOD COLLECTION CART REFRIGERATED CENTRIFUGE CENLEE6R

CenLee 6R refrigerated centrifuge is used in blood collection carts. Suitable for centrifugation of vacuum blood collection tubes, nucleic acid centrifuge tubes, 10ml, 15ml and other test tubes used for blood collection. It is suitable for nucleic acid detection.



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	5120×g
Maximum capacity	240ml
Speed accuracy	±10r/min
Temperature range	-20°C~ +40°C
Temperature accuracy	±1°C
Timing range	1s-99min59s
Voltage	AC 220V 50Hz 15A
Power	700W
Noise	≤58dB (A)
Dimensions	415×660×320(mm)
Packing dimensions	470×710×410(mm)
Net weight	55kg



Max speed: 4000r/min
Max RCF: 2594×g
Capacity: 16×10ml/5ml blood collection tube



Max speed: 6000r/min
Max RCF: 5120×g
Capacity: 12×10/15ml

PRODUCT FEATURES

- Microcomputer control, AC brushless frequency conversion motor drive, low noise.
- Instantaneous and continuous centrifugation.
- Large-screen LCD display, hand touch and key press function.
- 10 sets of acceleration and deceleration settings, unique damping shock absorption system can achieve the best centrifugal effect.
- Powerful refrigeration system, imported eco-friendly refrigerant, high temperature control accuracy.
- Equipped with multiple protections such as over speed, misoperation, speed failure, inverter failure, door cover self-locking.
- The unique suction cup feet can fix the centrifuge on the placement surface, which is suitable for blood collection and separation for the moving blood collection cart, which is safe and reliable.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Swing out rotor	NO.1	16×10ml(5/7ml blood collection tube)	4000	2594
Angle rotor	NO.2	12×10/ 15ml	6000	5120
Swing out rotor	NO.3	4×50ml	4000	2594

LOW SPEED LARGE CAPACITY REFRIGERATED CENTRIFUGE CENLEE5FR



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	5925×g
Maximum capacity	4000ml
Speed accuracy	±20r/min
Temperature range	-20°C~ +40°C
Temperature accuracy	±1°C
Timing range	1 min-99h59min
Voltage	AC 220V 50Hz 20A
Power	1700W
Noise	≤65 dB (A)
Dimensions	620×740×810 mm
Packing Dimensions	680×780×1000 mm
Net weight	150kg



Max speed: 4000r/min

Max RCF: 3940×g

Capacity: 4×1000ml



Max speed : 5000r/min

Max RCF : 5925×g

Capacity: 6×500ml

PRODUCT FEATURES

- Suitable for radio immunity, water treatment, biochemistry, biopharmaceuticals, separation and purification of blood products .
- Microcomputer controlled, energy-efficient, non-fluorine refrigeration system imported compressor, direct drive, non-carbon pollution , extended service life, with mulcone form bottomle rotor users, large screen LCD display or 0.8" digital LED display.
- Touch panel, programmable operation, user can set centrifugal speed, centrifugal time temperature , RCF value and speed curve ,25 groups can be stored, modified , call centrifuge program (LCD), can arbitrarily change the parameters without stopping in operation .
- The optimum results are as follows:9 lift curves ,10 deceleration curves (No .0 is free stop) , three-stage damping.
- Equipped with over speed, over temperature, misoperation, speed failure , frequency converter fault, door cover self-locking, stainless steel cavity, three-layer protective sleeve and other protection, to ensure the safety of the person and machine , support program-controlled loading , to meet the needs of accurate separation of different industries
- When the countdown time is less than one minute, displayed in seconds , you can change the parameters arbitrarily when running.
- Instantaneous centrifugation and continuous centrifugation, good temperature control effect, all rotors can be maintained at 4°C at the highest speed.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Main machine	CenLee5FR		6000	5925
Angle rotor	NO.1	6x50ml	6000	5120
Swing rotor body (maximum speed 4000(r/min) without hood)		4x1000ml		
Swing round cup		4x1000ml 4x500ml 4x300ml 4x3x100ml 4x5x50ml (Conical) 4x5x50ml		
Adapter	NO.2	4x14x15ml (Conical) 4x14x15ml 4x37x7ml 4x24x5ml 4x28x1.5ml 4x200ml (Blood bag) 4x250ml (Conical)	4000	3940
Swing rotor body (maximum speed 4000(r/min) without hood)		6x500ml		
Round cup		6x500ml 6x300ml 6x100ml 6x19x5ml 6x3x50ml 6x7x20ml 6x9x15ml		
Adapter				
Square bucket rotor	NO.3	Six buckets 6x10x15ml (Conical) 6x10x15ml 6x20x10ml 6x25x1.5ml 6x28x5ml 6x4x50ml (Conical) 6x4x50ml 6x250ml	5000	5925
Adapter				

EXAMPLE OF ROTORS



Max speed : 5000r/min

Max RCF : 5925×g

Capacity: Six buckets



6x4x50ml
(Round/Conical)



6x20x10ml



6x28x5ml
(blood collection tube)



6x10x15ml (Round/Conical)



6x25x1.5ml



6x250ml

LOW SPEED LARGE CAPACITY CENTRIFUGE DD-5MC



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	5925×g
Maximum capacity	4000ml
Speed accuracy	±20r/min
Timing range	1 min-99h59min
Voltage	AC 220V 50Hz 20A
Power	1700W
Noise	≤65 dB (A)
Dimensions	620×740×810 mm
Packing Dimensions	680×780×1000 mm
Net weight	150kg



Max speed: 4000r/min

Max RCF: 3940×g

Capacity: 4×1000ml



Max speed: 5000r/min

Max RCF: 5925×g

Capacity: 6×500ml

PRODUCT FEATURES

- Suitable for radio immunity, water treatment, biochemistry, biopharmaceuticals, separation and purification of blood products .
- Microcomputer controlled, energy-efficient, non-fluorine refrigeration system imported compressor, direct drive, non-carbon pollution , extended service life, with mulcone form bottomle rotor users, large screen LCD display or 0.8" digital LED display.
- Touch panel, programmable operation, user can set centrifugal speed, centrifugal time temperature , RCF value and speed curve ,25 groups can be stored , modified , call centrifuge program (LCD), can arbitrarily change the parameters without stopping in operation .
- The optimum results are as follows:9 lift curves ,10 deceleration curves (No .0 is free stop) , three-stage damping.
- Equipped with over speed, over temperature, misoperation, speed failure , frequency converter fault, door cover self-locking, stainless steel cavity, three-layer protective sleeve and other protection, to ensure the safety of the person and machine , support program-controlled loading , to meet the needs of accurate separation of different industries
- When the countdown time is less than one minute, displayed in seconds , you can change the parameters arbitrarily when running.
- Instantaneous centrifugation and continuous centrifugation, good temperature control effect, all rotors can be maintained at 4°C at the highest speed.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Main machine	CenLee5FR		6000	5925
Angle rotor	NO.1	6x50ml	6000	5120
Swing rotor body (maximum speed 4000(r/min) without hood)		4x1000ml		
Swing round cup		4x1000ml 4x500ml 4x300ml 4x3x100ml 4x5x50ml (Conical) 4x5x50ml		
Adapter	NO.2	4x14x15ml (Conical) 4x14x15ml 4x37x7ml 4x24x5ml 4x28x1.5ml 4x200ml (Blood bag) 4x250ml (Conical)	4000	3940
Swing rotor body (maximum speed 4000(r/min) without hood)		6x500ml		
Round cup		6x500ml 6x300ml 6x100ml 6x19x5ml 6x3x50ml 6x7x20ml 6x9x15ml		
Adapter				
Square bucket rotor	NO.3	Six buckets 6x10x15ml (Conical) 6x10x15ml 6x20x10ml 6x25x1.5ml 6x28x5ml 6x4x50ml (Conical) 6x4x50ml 6x250ml	5000	5925
Adapter				

EXAMPLE OF ROTORS



Max speed : 5000r/min

Max RCF : 5925×g

Capacity: Six buckets



6×4×50ml
(Round/Conical)



6×20×10ml



6×28×5ml
(blood collection tube)



6×10×15ml (Round/Conical)



6×25×1.5ml



6×250ml

HIGH SPEED LARGE CAPACITY REFRIGERATED CENTRIFUGE CENLEE2300R



TECHNICAL PARAMETER

Maximum speed	23000r/min
Maximum RCF	33500×g
Maximum capacity	3000ml
Speed accuracy	±10r/min
Temperature range	-20°C~+40°C
Temperature accuracy	±1°C
Timing range	1 min-99h59min
Voltage	AC 220V 50Hz 16A
Power	1700W
Noise	≤65 dB (A)
Dimensions	620×740×810 mm
Packing Dimensions	680×780×1000 mm
Net weight	150kg

PRODUCT FEATURES

- Suitable for separation and purification of radioimmunity, biochemistry, biopharmaceuticals , and blood products .
- Microcomputer control , direct drive by AC variable frequency motor with high torque , no carbon powder pollution , prolonged service life .
- Equipped with a variety of rotors , large-screen LCD display, imported high-efficiency fluorine-free refrigeration system .
- Centrifuge can be used at high speed and low speed with large capacity, one machine with multiple functions .
- Touch panel, programmable operation , instantaneous and continuous centrifugation .
- 9 kinds of speed-up curves , 10 kinds of deceleration curves (No. 0 is free stop) , three-stage damping.
- Rotor automatic identification technology, with multiple protections such as overspeed , overtemperature , door cover self-locking , stainless steel inner sleeve , and three-level protective sleeve to ensure the safety of people and machines .
- Parameters can be changed arbitrarily during operation , no need to stop , and program-controlled loading is supported to meet the precise separation needs of different industries .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO. 1	12×0.5ml	23000	26614
Angle rotor	NO.2	12×1.5ml	21600	33500
Angle rotor	NO.3	12×10ml	15000	19369
Angle rotor	NO.4	6×50ml(conical)	13000	18516
Angle rotor		6×50ml(Round)	13000	18516
Swing out rotor	NO.5	4×750ml	4000	3500
Round bottle		4×750ml	4000	3500
Swing out rotor		4×500ml	4000	3040
Micro plate rotor		4×2×96Well	4000	3040
Hanging cup	NO.6	4×37×7ml (vacuum tube)	4000	3040
Hanging cup		4×24×5ml (vacuum tube)	4000	3040
Square bucket		4x bucket	4000	3040
Angle rotor	NO.7	24×1.5/2.2ml	16500	24958
Micro plate rotor	NO.8	2×2×96Well	4000	2200
Angle rotor	NO.9	6×100ml	10000	11404
Angle rotor	NO. 10	4×250ml	10000	11960

EXAMPLE OF ROTORS



Max speed: 21600r/min
Max RCF: 33500xg
Capacity: 12×1.5/2.2ml



Max speed : 15000r/min
Max RCF : 19369xg
Capacity : 12×10ml



Max speed : 13000r/min
Max RCF : 18516xg
Capacity: 6×50ml



Max speed: 4000r/min
Max RCF: 3040xg
Capacity: 4x bucket



Max speed : 16500r/min
Max RCF: 24958xg
Capacity: 24×1.5/2.2ml



Max speed: 4000r/min
Max RCF: 2200xg
Capacity: 2×2×96Well

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE

CENLEE2050R



TECHNICAL PARAMETER

Maximum speed	20500 r/min
Maximum RCF	29200×g
Maximum capacity	3000ml
Speed accuracy	±10r/min
Temperature range	-20°C~ +40°C
Temperature accuracy	±1°C
Timing range	1s-99h59min59s
Voltage	AC 220V 50Hz 16A
Power	1300W
Noise	≤58dB (A)
Dimensions	730×640×420 mm
Packing Dimensions	790×720×580 mm
Net weight	111kg

PRODUCT FEATURES

- Microcomputer control, touch panel, high torque frequency conversion AC motor drive, low noise, high speed precision, parameters can be changed arbitrarily during operation, no need to stop.
- Large-screen LCD display, operating parameters can be automatically memorized, operating parameters can be set and automatically stored according to requirements .
- RCF/speed rpm conversion,setting convenient and quick .
- 9 speed-up and 10 speed-reduction gears, three groups of damping shock absorption , instantaneous and continuous centrifugation available .
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor,protecting the motor effectively.
- The special spring taper sleeve is used to connect the rotor and the main shaft. It is convenient and simple to install and unload the rotor, without direction , expand the contact area , safe and reliable .
- The fluorine-free compressor unit (imported compressor) can pre-cool the rotor in a static state , using environment friendly refrigerants .
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking , unbalanced, stainless steel inner sleeve , and three-level protective sleeve to ensure the safety of people and machines .
- Automatic rotor recognition function .
- Different rotors are available, which can be used for both high capacity and high-speed centrifugation .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Main machine	CenLee2050R		20500	29200
Angle rotor	NO.1	12×1.5/2.2ml	20500	29200
Angle rotor	NO.2	12×5ml	16500	19480
Angle rotor	NO.3	12×10ml	15000	23120
Angle rotor	NO.4	8×15ml	15000	20625
Angle rotor	NO.5	6×50ml (conical)	13000	18516
Swing out rotor		6×50ml (Round)	13000	18516
Round bottle		4×750ml	4000	3500
Swing out rotor	NO.6	4×750ml	4000	3500
Micro plate rotor		4×500ml	4000	3040
Hanging cup		4×2×96Well	4000	3040
Hanging cup	NO.7	4×37×7ml (vacuum tube)	4000	3040
Square bucket		4×24×5ml (vacuum tube)	4000	3040
Angle rotor		4x bucket	4000	3040
Micro plate rotor	NO.8	24×1.5/2.2ml	16500	24958
Angle rotor	NO.9	6×85ml	12000	15805
Angle rotor	NO.10	6×100ml	10000	11404
Angle rotor	NO.11	48×1.5/2.2ml	13000	17933

EXAMPLE OF ROTORS



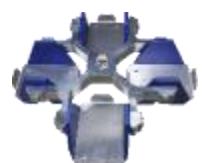
Max speed : 15000r/min
Max RCF: 20625xg
Capacity: 8×15ml



Max speed : 13000r/min
Max RCF : 18516xg
Capacity: 6×50ml (conical)



Max speed: 4000r/min
Max RCF: 3500xg
Capacity: 4×750ml



Max speed: 4000r/min
Max RCF: 3040xg
Capacity: 4×2×96Well



Max speed: 4000r/min
Max RCF: 3040xg
Capacity: 4x bucket



Max speed : 16500r/min
Max RCF: 24958xg
Capacity: 24×1.5/2.2ml

BENCHTOP HIGH SPEED CENTRIFUGE CENLEE 2050



TECHNICAL PARAMETER

Maximum speed	20500 r/min
Maximum RCF	29200×g
Maximum capacity	4x750ml
Speed accuracy	±10r/min
Sample range	0.5ml-750ml
Acc/Dec fastest time	25~30s
Timing range	1-99h59min59s
Power supply	AC 220V 50Hz 10A
Power	800W
Machine noise	≤58dB (A)
Dimensions	490×590×405 mm
Packing Dimensions	510×660×450 mm
Net weight	44kg

PRODUCT FEATURES

- Intelligent microcomputer control , LCD display is convenient to read and store various parameters .
- The parameters can be changed arbitrarily during operation without stopping the machine .
- 9 speed-up and 10 speed-reduction gears, three groups of damping shock absorption , instantaneous and continuous centrifugation available .
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor, protecting the motor effectively.
- The special spring taper sleeve is used to connect the rotor and the main shaft. It is convenient and simple to install and unload the rotor, without direction , expand the contact area , safe and reliable .
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve , and three-level protective sleeve to ensure the safety of people and machines .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12×1.5/2.2ml	20500	29200
Angle rotor	NO.2	12×5ml	16500	19480
Angle rotor	NO.3	12×10ml	15000	23120
Angle rotor	NO.4	8×15ml	15000	20625
Angle rotor	NO.5	6×50ml (conical)	13000	18516
Swing out rotor	NO.5	6×50ml (Round)	13000	18516
Round bottle		4×750ml	4000	3500
Swing out rotor	NO.6	4×750ml	4000	3500
Micro plate rotor		4×500ml	4000	3040
Hanging cup		4×2×96Well	4000	3040
Hanging cup	NO.7	4×37×7ml (vacuum tube)	4000	3040
Square bucket		4×24×5ml (vacuum tube)	4000	3040
Angle rotor		4x bucket	4000	3040
Micro plate rotor	NO.8	24×1.5/2.2ml	16500	24958
Angle rotor	NO.9	6×85ml	12000	15805
Angle rotor	NO.10	6×100ml	10000	11404
Angle rotor	NO.11	48×1.5/2.2ml	13000	17933

EXAMPLE OF ROTORS



Max speed: 20500r/min
Max RCF: 29200xg
Capacity : 12×1.5/2.2ml



Max speed : 16500r/min
Max RCF : 19175xg
Capacity : 12×5ml



Max speed : 15000r/min
Max RCF: 23120xg
Capacity : 12×10ml



Max speed : 13000r/min
Max RCF : 18516xg
Capacity: 6×50ml



Max speed: 4000r/min
Max RCF: 3040xg
Capacity: 4×500ml



Max speed : 16500r/min
Max RCF: 24890xg
Capacity: 24×1.5/2.2ml

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE CENLEE18C



TECHNICAL PARAMETER

Maximum speed	18500r/min
Maximum RCF	23797×g
Maximum capacity	1000ml
Speed accuracy	±10r/min
Temperature range	-20°C~+40°C
Temperature accuracy	±1°C
Timing range	1-99min59s
Voltage	AC 220V 50Hz 16A
Motor	Variable frequency motor
Noise	≤60dB (A)
Speed accuracy	±10r/min
Packing Dimensions	700×660×410 (mm)
Packing Dimensions	720×700×540 (mm)
Net weight	95kg

PRODUCT FEATURES

- Microcomputer control, touch panel, frequency conversion AC motor drive , low noise , parameters can be changed arbitrarily during operation , no need to stop , and program-controlled loading is supported to meet the precise separation needs of different industries .
- Color large-screen LCD display, humanized interface, automatic memory of operating parameters , instantaneous and continuous centrifugation .
- 9 kinds of speed-up and 10 kinds of speed-down gears , three groups of damping and shock absorption , preventing sample resuspension , and achieving the best centrifugal effect .
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor, effectively protect the motor, and extend the life of the motor .
- The special spring taper sleeve is used to connect the rotor and the main shaft . It is convenient and simple to install and unload the rotor without direction .
- The fluorine-free compressor unit (imported compressor) can pre-cool the rotor in a static state , using eco-friendly refrigerants , and cooling quickly .
- Mechanical and electronic door locks with high reliability .
- It is equipped with multiple protections such as over speed , over temperature , door cover self-locking , unbalanced , stainless steel inner sleeve .
- The countdown time is less than one minute , displayed in seconds .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12×1.5/2.2ml	18500	23797
Angle rotor	NO.2	12×10ml	13000	17370
Angle rotor	NO.3	6×50ml	12000	15285
Angle rotor	NO.4	24×1.5/2ml	15000	21532
Angle rotor	NO.5	8×15ml	13000	17572
Swing out rotor		4×250ml		
Adapter	NO.6	4×1×50ml		
		4×5×10ml	4000	3500
		4×10×5m		
Swing out rotor	NO.7	4×100ml	5000	4390
Swing out rotor		8×50ml		
Tube holder	NO.8	4×50ml		
		32×10/ 15ml Vacutainer	4200	3100
		24×10/ 15ml Vacutainer		
		16×10/ 15ml Vacutainer		
Micro plate rotor	NO.9	2×2×96 Well	4000	2800
Angle rotor	NO.10	48×1.5/2.2ml	12000	15280

EXAMPLE OF ROTORS



Max speed : 13000r/min
Max RCF : 17370xg
Capacity : 12×10ml



Max speed : 15000r/min
Max RCF: 21532xg
Capacity: 24×1.5/2.2ml



Max speed : 13000r/min
Max RCF : 17572xg
Capacity: 8×15ml



Max speed: 4000r/min
Max RCF: 3500xg
Capacity: 4×250ml



Capacity: 4×1×50ml

Capacity: 4×10×5m



Capacity: 4×5×10ml

Capacity: 4×3×15m

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE CENLEE20R



TECHNICAL PARAMETER

Maximum speed	20500r/min
Maximum RCF	29200×g
Maximum capacity	600ml (6x100ml)
Sample range	0.5ml-100ml
Speed accuracy	±10r/min
Temperature range	-20°C~+40°C
Temperature accuracy	±1°C
Timing range	1s-99h59min59S
Power supply	AC 220V 50Hz 10A
Machine noise	≤55dB(A)
Power	1200W
Acc/Dec fastest time	25~30s
Dimensions	550×530×360(mm)
Packing dimensions	620×590×420(mm)
Net weight	68kg

PRODUCT FEATURES

- Microcomputer control, touch panel, high torque frequency conversion AC motor drive, low noise, high speed precision, parameters can be changed arbitrarily during operation, no need to stop.
- Large-screen LCD display, operating parameters can be automatically memorized, operating parameters can be set and automatically stored according to requirements.
- RCF/speed rpm conversion, setting convenient and quick.
- 9 speed-up and 10 speed-reduction gears, three groups of damping shock absorption, instantaneous and continuous centrifugation available.
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor, protecting the motor effectively.
- The special spring taper sleeve is used to connect the rotor and the main shaft. It is convenient and simple to install and unload the rotor, without direction, expand the contact area, safe and reliable.
- The fluorine-free compressor unit (imported compressor) can pre-cool the rotor in a static state, using environment friendly refrigerants.
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve, and three-level protective sleeve to ensure the safety of people and machines.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12×1.5/2.2ml	20500	29200
Angle rotor	NO.2	12×5ml	16500	19480
Angle rotor	NO.3	12×10ml	15000	19369
Angle rotor	NO.4	8×15ml(Conica)	13000	17572
Angle rotor	NO.5	8×20ml	15000	22898
Angle rotor	NO.6	6×50ml(Round) 6×50ml(Conica)	13000	18516
Angle rotor	NO.7	24×1.5/2.2ml	16800	25875
Angle rotor	NO.8	4×100ml	12000	15616
Angle rotor	NO.9	6×100ml	10000	11404
Angle rotor	NO.10	48×0.5ml	13000	16410
Angle rotor	NO.11	48×1.5/2.2ml	13000	17933
Micro plate rotor	NO.12	2×2×48Well	3000	1400

EXAMPLE OF ROTORS

12x1 .5/2 .2ml Angle rotor



Max speed : 20500r/min
Max RCF : 29200xg
Capacity: 12x1 .5/2 .2ml

12x5ml Angle rotor



Max speed: 16500r/min
Max RCF: 19480xg
Capacity: 12x5ml

12x10ml Angle rotor



Max speed: 15000r/min
Max RCF: 19369xg
Capacity: 12x10ml

8x15ml Angle rotor



Max speed: 13000r/min
Max RCF: 17572xg
Capacity : 8x15ml

8x20ml Angle rotor



Max speed: 15000r/min
Max RCF : 22898xg
Capacity : 8x20ml

6x50ml Angle rotor (Conica)



Max speed: 13000r/min
Max RCF: 18516xg
Capacity : 6x50ml (Conica)

24x1 .5/2 .2ml Angle rotor



Max speed: 16800r/min
Max RCF : 25875xg
Capacity : 24x1 .5/2 .2ml

4x100ml Angle rotor



Max speed: 12000r/min
Max RCF: 15616xg
Capacity : 4x100ml

6x100ml Angle rotor



Max speed: 10000r/min
Max RCF: 11404xg
Capacity : 6x100ml

48x0 .5ml Angle rotor



Max speed: 13000r/min
Max RCF: 16410xg
Capacity : 48x0 .5ml

6x50ml Angle rotor(Round)



Max speed: 13000r/min
Max RCF: 18516xg
Capacity : 6x50ml (Round)

48x1 .5ml Angle rotor



Max speed : 13000r/min
Max RCF : 17933xg
Capacity: 48x1 .5ml

BENCHTOP HIGH SPEED CENTRIFUGE CENLEE20K



TECHNICAL PARAMETER

Maximum speed	20500r/min
Maximum RCF	29200×g
Maximum capacity	600ml
Speed Accuracy	±10r/min
Timing range	1 min-99min
Power supply	AC 220V 50Hz 10A
Machine noise	≤55dB(A)
Power	400W
Chamber diameter	Φ280
Acc/Dec fastest time	360×470×320mm
Packing dimensions	420x530x400 mm
Net Weight	28kg

PRODUCT FEATURES

- Intelligent microcomputer control, LCD or LED digital display is convenient to read and store various parameters.
- The parameters can be changed arbitrarily during operation without stopping the machine.
- 9 speed-up and 10 speed-reduction gears, three groups of damping shock absorption, instantaneous and continuous centrifugation available.
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor, protecting the motor effectively.
- The special spring taper sleeve is used to connect the rotor and the main shaft. It is convenient and simple to install and unload the rotor, without direction, expand the contact area, safe and reliable.
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve, and three-level protective sleeve to ensure the safety of people and machines.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12 × 1.5/2.2ml	20500	29200
Angle rotor	NO.2	12 × 5ml	16500	19480
Angle rotor	NO.3	12 × 10ml	15000	19369
Angle rotor	NO.4	8 × 15ml(Conica)	13000	17572
Angle rotor	NO.5	8 × 20ml	15000	22898
Angle rotor	NO.6	6 × 50ml(Round) 6 × 50ml(Conica)	13000	18516
Angle rotor	NO.7	24 × 1.5/2.2ml	16800	25875
Angle rotor	NO.8	4 × 100ml	12000	15616
Angle rotor	NO.9	6 × 100ml	10000	11404
Angle rotor	NO.10	48 × 1.5/2.2ml	13000	17933

EXAMPLE OF ROTORS

12x1 .5/2 .2ml Angle rotor



Max Speed : 20500r/min
Max RCF : 29200xg
Capacity: 12x1 .5/2 .2ml

12x5ml Angle rotor



Max Speed: 16500r/min
Max RCF: 19480xg
Capacity: 12x5ml

12x10ml Angle rotor



Max Speed: 15000r/min
Max RCF: 19369xg
Capacity: 12x10ml

8x15ml Angle rotor



Max Speed: 13000r/min
Max RCF: 17572xg
Capacity : 8x15ml

8x20ml Angle rotor



Max Speed: 15000r/min
Max RCF : 22898xg
Capacity : 8x20ml

6x50ml Angle rotor (Conica)



Max Speed: 13000r/min
Max RCF: 18516xg
Capacity : 6x50ml (Conica)

24x1 .5/2 .2ml Angle rotor



Max Speed: 16800r/min
Max RCF : 25875xg
Capacity : 24x1 .5/2 .2ml

4x100ml Angle rotor



Max Speed: 12000r/min
Max RCF: 15616xg
Capacity : 4x100ml

6x100ml Angle rotor



Max Speed: 10000r/min
Max RCF: 11404xg
Capacity : 6x100ml

6x50ml Angle rotor(Round)



Max Speed: 13000r/min
Max RCF: 18516xg
Capacity : 6x50ml (Round)

48x1 .5ml Angle rotor



Max Speed: 13000r/min
Max RCF: 17933xg
Capacity : 48x1 .5ml

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE CENLEE18R



TECHNICAL PARAMETER

Maximum speed	18500r/min
Maximum RCF	23469×g
Maximum capacity	600ml (6x100ml)
Sample range	0.5ml-100ml
Speed accuracy	±10r/min
Temperature range	-20°C~+40°C
Temperature accuracy	±1°C
Timing range	1s-99h59min59S
Power supply	AC 220V 50Hz 10A
Machine noise	≤55dB (A)
Power	1200W
Acc/Dec fastest time	25~30s
Dimensions	550×530×360(mm)
Packing dimensions	620×590×420(mm)
Net weight	68kg

PRODUCT FEATURES

- Microcomputer control, touch panel, high torque frequency conversion AC motor drive, low noise, high speed precision, parameters can be changed arbitrarily during operation, no need to stop.
- Large-screen LCD display, operating parameters can be automatically memorized, operating parameters can be set and automatically stored according to requirements .
- RCF/speed rpm conversion, setting convenient and quick.
- 9 speed-up and 10 speed-reduction gears, three groups of damping shock absorption , instantaneous and continuous centrifugation available .
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor, protecting the motor effectively.
- The special spring taper sleeve is used to connect the rotor and the main shaft. It is convenient and simple to install and unload the rotor, without direction , expand the contact area , safe and reliable .
- The fluorine-free compressor unit (imported compressor) can pre-cool the rotor in a static state , using environment friendly refrigerants .
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve , and three-level protective sleeve to ensure the safety of people and machines .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12×1.5/2.2ml	18500	22575
Angle rotor	NO.2	12×5ml	15000	16099
Angle rotor	NO.3	12×10ml	14000	16872
Angle rotor	NO.4	8×15ml(Conica)	12000	14972
Angle rotor	NO.5	8×20ml	13000	17194
Angle rotor	NO.6	6×50ml(Round) 6×50ml(Conica)	12000	15778
Angle rotor	NO.7	24×1.5/2.2ml	16000	23469
Angle rotor	NO.8	4×100ml	11000	13122
Angle rotor	NO.9	6×100ml	10000	11404
Angle rotor	NO.10	48×0.5ml	13000	14740
Angle rotor	NO.11	48×1.5/2.2ml	12000	15280
Micro plate rotor	NO.12	2×2×48Well	3000	1400

EXAMPLE OF ROTORS

12x1.5/2.2ml Angle rotor



Max speed : 18500r/min
Max RCF : 22575xg
Capacity: 12x1.5/2.2ml

12x5ml Angle rotor



Max speed : 15000r/min
Max RCF : 160990xg
Capacity : 12x5ml

12x10ml Angle rotor



Max speed : 14000r/min
Max RCF : 16872xg
Capacity : 12x10ml

8x15ml Angle rotor



Max speed : 12000r/min
Max RCF : 14972xg
Capacity : 8x15ml

8x20ml Angle rotor



Max speed : 13000r/min
Max RCF : 17194xg
Capacity : 8x20ml

6x50ml Angle rotor (Conica)



Max speed : 12000r/min
Max RCF : 15778xg
Capacity : 6x50ml (Conica)

24x1.5/2.2ml Angle rotor



Max speed : 16000r/min
Max RCF : 23469xg
Capacity : 24x1.5/2.2ml

4x100ml Angle rotor



Max speed : 11000r/min
Max RCF : 13122xg
Capacity: 4x100ml

6x100ml Angle rotor



Max speed : 10000r/min
Max RCF : 11404xg
Capacity : 6x100ml

48x0.5ml Angle rotor



Max speed : 13000r/min
Max RCF : 14740xg
Capacity: 48x0.5ml

6x50ml Angle rotor(Round)



Max speed : 12000r/min
Max RCF : 15778xg
Capacity : 6x50ml (Round)

48x1.5ml Angle rotor



Max speed : 12000r/min
Max RCF : 15280xg
Capacity : 48x1.5ml

BENCHTOP HIGH SPEED CENTRIFUGE CENLEE18K



TECHNICAL PARAMETER

Maximum speed	18500r/min
Maximum RCF	23469×g
Maximum capacity	600ml
Speed Accuracy	±10r/min
Timing range	1 min-99min
Power supply	AC 220V 50Hz 10A
Machine noise	≤55dB (A)
Power	400W
Chamber diameter	Φ280
Acc/Dec fastest time	360×470×320mm
Packing dimensions	420x530x400 mm
Net Weight	28kg

PRODUCT FEATURES

- Intelligent microcomputer control, LCD or LED digital display is convenient to read and store various parameters.
- The parameters can be changed arbitrarily during operation without stopping the machine.
- 9 speed-up and 10 speed-reduction gears, three groups of damping shock absorption, instantaneous and continuous centrifugation available.
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor, protecting the motor effectively.
- The special spring taper sleeve is used to connect the rotor and the main shaft. It is convenient and simple to install and unload the rotor, without direction, expand the contact area, safe and reliable.
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve, and three-level protective sleeve to ensure the safety of people and machines.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12 × 1.5/2.2ml	18500	29200
Angle rotor	NO.2	12 × 5ml	15000	19480
Angle rotor	NO.3	12 × 10ml	14000	19369
Angle rotor	NO.4	8 × 15ml(Conica)	12000	17572
Angle rotor	NO.5	8 × 20ml	13000	22898
Angle rotor	NO.6	6 × 50ml(Round) 6 × 50ml(Conica)	12000	18516
Angle rotor	NO.7	24 × 1.5/2.2ml	16000	25875
Angle rotor	NO.8	4 × 100ml	11000	15616
Angle rotor	NO.9	6 × 100ml	10000	16421
Micro plate rotor	NO.11	48 × 0.5ml	13000	14740
Angle rotor	NO.12	48 × 1.5/2.2ml	12000	15280

EXAMPLE OF ROTORS

12x1.5/2.2ml Angle rotor



Max speed : 18500r/min
Max RCF : 22575xg
Capacity: 12x1.5/2.2ml

12x5ml Angle rotor



Max speed : 15000r/min
Max RCF : 16099xg
Capacity : 12x5ml

12x10ml Angle rotor



Max speed : 14000r/min
Max RCF : 16872xg
Capacity : 12x10ml

8x15ml Angle rotor



Max speed : 12000r/min
Max RCF : 14972xg
Capacity : 8x15ml

8x20ml Angle rotor



Max speed : 13000r/min
Max RCF : 17194xg
Capacity : 8x20ml

6x50ml Angle rotor (Conica)



Max speed : 12000r/min
Max RCF : 15778xg
Capacity : 6x50ml (Conica)

24x1.5/2.2ml Angle rotor



Max speed : 16000r/min
Max RCF : 23469xg
Capacity : 24x1.5/2.2ml

4x100ml Angle rotor



Max speed : 11000r/min
Max RCF : 13122xg
Capacity: 4x100ml

6x100ml Angle rotor



Max speed : 10000r/min
Max RCF : 11404xg
Capacity : 6x100ml

6x50ml Angle rotor(Round)



Max speed : 12000r/min
Max RCF : 15778xg
Capacity : 6x50ml (Round)

48x0.5ml Angle rotor



Max speed : 13000r/min
Max RCF : 14740xg
Capacity : 2 × 2 × 48Well

48x1.5ml Angle rotor



Max speed : 12000r/min
Max RCF : 15280xg
Capacity : 48x1.5ml

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE CENLEE16R



TECHNICAL PARAMETER

Maximum speed	16600r/min
Maximum RCF	21532×g
Maximum capacity	600ml (6x100ml)
Sample range	0.5ml-100ml
Speed accuracy	±10r/min
Temperature range	-20°C~+40°C
Temperature accuracy	±1°C
Timing range	1s-99h59min59S
Power supply	AC 220V 50Hz 10A
Machine noise	≤55dB(A)
Power	1200W
Acc/Dec fastest time	25~30s
Dimensions	550×530×360(mm)
Packing dimensions	620×590×420(mm)
Net weight	68kg

PRODUCT FEATURES

- Microcomputer control, touch panel, frequency conversion AC motor drive, low noise, parameters can be changed arbitrarily during operation, no need to stop, and program-controlled loading is supported to meet the precise separation needs of different industries.
- Color large-screen LCD display, humanized interface, automatic memory of operating parameters, instantaneous and continuous centrifugation.
- 9 kinds of speed-up and 10 kinds of speed-down gears, three groups of damping and shock absorption, preventing sample resuspension, and achieving the best centrifugal effect.
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor, effectively protect the motor, and extend the life of the motor.
- The special spring taper sleeve is used to connect the rotor and the main shaft. It is convenient and simple to install and unload the rotor without direction.
- The fluorine-free compressor unit (imported compressor) can pre-cool the rotor in a static state, using eco-friendly refrigerants, and cooling quickly.
- Mechanical and electronic door locks with high reliability.
- It is equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve.
- The countdown time is less than one minute, displayed in seconds.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12×1.5/2.2ml	16600	19200
Angle rotor	NO.2	12×5ml	15000	16099
Angle rotor	NO.3	12×10ml	13000	16249
Angle rotor	NO.4	8×15ml(Conica)	11000	12580
Angle rotor	NO.5	8×20ml	13000	17194
Angle rotor	NO.6	6×50ml(Round) 6×50ml(Conica)	11000	13122
Angle rotor	NO.7	24×1.5/2.2ml	15000	21532
Angle rotor	NO.8	4×100ml	10000	10845
Angle rotor	NO.9	6×100ml	10000	11404
Angle rotor	NO.10	48×0.5ml	12000	12650
Angle rotor	NO.11	48×1.5/2.2ml	12000	15280
Micro plate rotor	NO.12	2×2×48Well	3000	1400

EXAMPLE OF ROTORS

12x1.5/2.2ml Angle rotor



Max speed : 16600r/min
Max RCF : 19200xg
Capacity: 12x1.5/2.2ml

12x5ml Angle rotor



Max speed : 15000r/min
Max RCF: 16099xg
Capacity : 12x5ml

12x10ml Angle rotor



Max speed : 13000r/min
Max RCF : 16249xg
Capacity : 12x10ml

8x15ml Angle rotor



Max speed : 11000r/min
Max RCF : 12580xg
Capacity : 8x15ml

8x20ml Angle rotor



Max speed : 13000r/min
Max RCF : 17194xg
Capacity : 8x20ml

6x50ml Angle rotor(Round)



Max speed : 11000r/min
Max RCF : 13122xg
Capacity : 6x50ml (Round)

24x1.5/2.2ml Angle rotor



Max speed : 15000r/min
Max RCF : 21532xg
Capacity : 24x1.5/2.2ml

4x100ml Angle rotor



Max speed : 10000r/min
Max RCF : 10845xg
Capacity: 4x100ml

6x100ml Angle rotor



Max speed : 10000r/min
Max RCF : 11404xg
Capacity : 6x100ml

6x50ml Angle rotor (Conica)



Max speed : 11000r/min
Max RCF : 13122xg
Capacity : 6x50ml

48x0.5ml Angle rotor



Max speed : 12000r/min
Max RCF : 12650xg
Capacity: 48x0.5ml

48x1.5ml Angle rotor



Max speed : 12000r/min
Max RCF : 15280xg
Capacity: 48x1.5ml

BENCHTOP HIGH SPEED CENTRIFUGE CENLEE16K



TECHNICAL PARAMETER

Maximum speed	16600r/min
Maximum RCF	21532×g
Maximum capacity	400ml
Speed Accuracy	±10r/min
Timing range	1 min-99min
Power supply	AC 220V 50Hz 10A
Machine noise	≤55dB (A)
Power	400W
Chamber diameter	Φ280
Acc/Dec fastest time	360×470×320mm
Packing dimensions	420x530x400 mm
Net Weight	28kg

PRODUCT FEATURES

- Intelligent microcomputer control, LCD or LED digital display is convenient to read and store various parameters.
- The parameters can be changed arbitrarily during operation without stopping the machine.
- 9 speed-up and 10 speed-reduction gears, three groups of damping shock absorption, instantaneous and continuous centrifugation available.
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor, protecting the motor effectively.
- The special spring taper sleeve is used to connect the rotor and the main shaft. It is convenient and simple to install and unload the rotor, without direction, expand the contact area, safe and reliable.
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve, and three-level protective sleeve to ensure the safety of people and machines.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12×1.5/2.2ml	16600	19200
Angle rotor	NO.2	12×5ml	15000	16099
Angle rotor	NO.3	12×10ml	13000	16249
Angle rotor	NO.4	8×15ml(Conica)	11000	12580
Angle rotor	NO.5	8×20ml	13000	17194
Angle rotor	NO.6	6×50ml(Round) 6×50ml(Conica)	11000	13122
Angle rotor	NO.7	24×1.5/2.2ml	15000	21532
Angle rotor	NO.8	4×100ml	10000	10845
Micro plate rotor	NO.9	2×2×48Well	3000	1400
Angle rotor	NO.10	48×0.5ml	12000	12650
Angle rotor	NO.11	48×1.5/2.2ml	12000	15280

EXAMPLE OF ROTORS

12x1.5/2.2ml Angle rotor



Max speed : 16600r/min
Max RCF : 19200xg
Capacity: 12x1.5/2.2ml

12x5ml Angle rotor



Max speed : 15000r/min
Max RCF : 16099xg
Capacity : 12x5ml

12x10ml Angle rotor



Max speed : 13000r/min
Max RCF : 16294xg
Capacity : 12x10ml

8x15ml Angle rotor



Max speed : 11000r/min
Max RCF : 12580xg
Capacity : 8x15ml

8x20ml Angle rotor



Max speed : 13000r/min
Max RCF : 17194xg
Capacity : 8x20ml

6x50ml Angle rotor (Round)



Max speed : 11000r/min
Max RCF : 13122xg
Capacity : 6x50ml (Conica)

6x50ml Angle rotor (Conica)



Max speed : 11000r/min
Max RCF : 13122xg
Capacity : 6x50ml

24x1.5/2.2ml Angle rotor



Max speed : 15000r/min
Max RCF : 21532xg
Capacity : 24x1.5/2.2ml

4x100ml Angle rotor



Max speed : 10000r/min
Max RCF : 10845xg
Capacity: 4x100ml

48x0.5ml Angle rotor



Max speed : 12000r/min
Max RCF : 12650xg
Capacity : 6x50ml (Round)

48x1.5ml Angle rotor



Max speed : 12000r/min
Max RCF : 15280xg
Capacity: 48x1.5ml

DESKTOP MICRO HIGH-SPEED REFRIGERATED CENTRIFUGE TGL-16



Max speed : 15000r/min
Max RCF: 21532×g
Capacity: 24×1.5ml/2.2ml



Max speed : 16000r/min
Max RCF: 17800×g
Capacity : 12×1.5ml/2.2ml



Max speed : 12000r/min
Max RCF : 10142×g
Capacity : 18×5ml

TECHNICAL PARAMETER

Maximum speed	16000r/min
Maximum RCF	21532×g
Maximum capacity	90ml
Speed accuracy	±10r/min
Temperature range	-20°C~ +40°C
Temperature accuracy	±1°C
Timing range	1s-99min59s
Voltage	AC 220V 50Hz 10A
Machine noise	≤55dB (A)
Power	700W
Dimensions	295×400×360mm
Packing Dimensions	480×370×410mm
Net weight	36kg

PRODUCT FEATURES

- Microcomputer control , AC variable frequency motor drive , low noise .
- A variety of memory centrifugal conditions storage and program operation functions , it only takes 13s to reach 16000r/min .
- The large color LCD screen can display the set value and actual value at the same time , and display the running rotor capacity .
- 10 sets of acceleration and deceleration settings , unique damping shock absorption system , the centrifugal effect reaches the best .
- Ultra-low noise is less than 55dB .
- The powerful refrigeration system adopts imported environmentally friendly refrigerants with high temperature control accuracy .
- With over-speed , over-temperature , door cover self-locking protection .
- The countdown time is less than one minute and is displayed in seconds .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	24×1.5ml/2.2ml	15000	21532
Angle rotor	NO.2	12×1.5ml/2.2ml	16000	17800
Angle rotor	NO.3	18×5ml	12000	10142
Angle rotor	NO.4	4×8×0.2ml PCR tubes	15000	13800

MICRO DESKTOP HIGH-SPEED CENTRIFUGE TG16-W



Max speed : 16000r/min

Max RCF : 17800×g

Capacity : 12×1.5ml/2.2ml



Max speed : 13000r/min

Max RCF : 11500×g

Capacity: 8×5ml

TECHNICAL PARAMETER

Maximum speed	16000r/min
Maximum RCF	17800 × g
Maximum capacity	40ml
Speed accuracy	±10r/min
Power	250W
Timing range	0~99min
Power supply	AC 220V 50Hz 5A
Noise	≤58dB(A)
Chamber diameter	Φ160
Fastest Acc/Dec time	25~30s
Dimensions	220×290×205 mm
Packing dimensions	250×320×335 mm
Net weight	12kg

PRODUCT FEATURES

- Microcomputer control , touch panel , intuitive digital display, operating parameters can be automatically memorized , easy to operate .
- Brushless motor with high torque , stable operation and maintenance-free .
- Multi-layer damping structure , low vibration , low noise .
- Unique shape , compact and solid , stainless steel centrifugal cavity, easy to clean and durable .
- Over speed , door self-locking etc protection functions , the rotor can be sterilized by high temperature and high pressure to ensure safety .
- Proprietary airflow guide design , small temperature rise ,effective protection of samples .
- Parameters can be changed arbitrarily during operation , no need to stop , and program-controlled loading is supported to meet the precise separation needs of different industries .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	12×1.5/2.2ml(0.5/0.2ml Adapter)	16000	17800
Angle rotor	NO.2	8×5ml	13000	11500

DESKTOP LOW-SPEED REFRIGERATED CENTRIFUGE CTL535R



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	5200×g
Maximum capacity	3000ml
Speed accuracy	±10r/min
Temperature range	-20°C~+40°C
Power	1300W
Temperature accuracy	±1°C
Timing range	1s-99h59min59S
Power supply	AC 220V 50Hz 18A
Machine noise	≤55dB(A)
Dimensions	730×640×420(mm)
Packing dimensions	790×720×580(mm)
Dimensions	110kg



Max speed: 4000r/min
Max RCF: 3040×g
Capacity: 4×500ml



Max speed: 4000r/min
Max RCF: 2200×g
Capacity: 2×2×96well



Max speed: 4200r/min
Max RCF: 3500×g
Capacity: 4×250ml

PRODUCT FEATURES

- Microcomputer control, AC variable frequency motor drive, low noise, energy saving and environmental protection.
- Instantaneous centrifugation and continuous centrifugation, a variety of memory centrifugal condition storage and program operation functions
- Large-screen LCD display, humanized interface, dual-purpose touch buttons, can display the set value and actual value at the same time, display the running rotor capacity.
- 10 sets of acceleration and deceleration settings, unique damping shock absorption system.
- Powerful refrigeration system, using imported eco-friendly refrigerants, high temperature control accuracy.
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve, and three-level protective sleeve to ensure the safety of people and machines.
- When the countdown time less than one minute will display in seconds, and parameters can be changed arbitrarily during operation without stopping the machine.
- Good temperature control effect, all the rotors can be maintained at 4°C at the highest speed.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor		6x50ml	6000	5200
Swing rotor body		4x500ml		
Test cup		4x500 ml		
		4x19x5ml		
		4x9x15ml		
Adapter		4x7x20ml		
		4x3x50ml		
		4x300 ml		
		4x100 ml		
Hanging bucket	NO.2	4x24x5ml(vacutainer) 4x37x7ml (RIA)	4000	3040
Micro plate rotor		4x2x96well		
Square bucket		Four pcs buckets		
		4x250ml		
		4x5x50ml (conical)		
		4x5x50ml (round)		
Adapter		4x25x1.5ml		
		4x10x15ml (conical)		
		4x10x15ml (round)		
		4x20x10ml		
		4x28x5ml vacutainer		
Micro plate rotor	NO.3	2x2x96well	4000	2200
Swing rotor body		4x750ml		
Test cup		4x750ml		
		4x500ml		
Adapter		4x300ml		
	NO.4	4x3x100ml	4000	3500
		4x7x20ml		
		4x5x50ml		
Adapter		4x10x15ml		
		4x24x5ml vacutainer		
		4x37x5ml		
Swing rotor body		4x250ml		
Test cup		4x250ml		
		4x4x10ml		
		4x10x5ml		
		4x4x20ml		
Adapter	NO.5	4x100ml	4200	3500
		4x4x15ml(conical)		
		4x50ml(conical)		
		4x50ml		
		4x8x1.5ml		

TABLETOP LOW SPEED REFRIGERATED CENTRIFUGE

TDL5M



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	5120×g
Maximum capacity	1000ml
Temperature range	-20°C~+40°C
Temperature accuracy	±1°C
Timing range	1-99min59s
Power supply	AC 220V 50Hz 16A
Machine noise	≤58dB(A)
Speed accuracy	±10r/min
Power	1200W
Dimensions	700×660×410 (mm)
Packing dimensions	720×700×540 (mm)
Net weight	95kg

PRODUCT FEATURES

- Microcomputer control, AC variable frequency motor drive, low noise, energy saving and environmental protection.
- Instantaneous centrifugation and continuous centrifugation, a variety of memory centrifugal condition storage and program operation functions
- Large-screen LCD display, humanized interface, dual-purpose touch buttons, can display the set value and actual value at the same time, display the running rotor capacity.
- 9 sets of acceleration and deceleration settings, unique damping shock absorption system.
- Powerful refrigeration system, using imported eco-friendly refrigerants, high temperature control accuracy.
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve, and three-level protective sleeve to ensure the safety of people and machines.
- When the countdown time less than one minute will display in seconds, and parameters can be changed arbitrarily during operation without stopping the machine.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12×10ml	6000	5120
Swing rotor		4×250ml		
Adaptor	NO.2	4 × 1 × 50ml 4×5×10ml 4×10×5ml	4000	3500
Swing rotor	NO.3	4×100ml	5000	4390
Swing rotor		8×50ml 4×50ml		
Tube holde	NO.4	32×10/ 15ml/blood tube 24×10/ 15ml/blood tube 16×10/ 15ml/blood tube 8×100ml	4200	3100
Swing rotor	NO.5	48/40×5/7ml/blood tube	4000	2810
Swing rotor	NO.6	64×5/7ml/blood tube 72×5/7ml/blood tube	4000	3200
Micro plate rotor	NO.7	2×2×96well	4000	2800

EXAMPLE OF ROTORS



Max speed: 4000r/min
Max RCF: 3500xg
Capacity: 4 × 250ml



Capacity: 4 × 250ml



Capacity: 4 × 250ml



Max speed : 5000r/min
Max RCF: 4390xg
Capacity: 4 × 100ml



Capacity: 4 × 100ml



Capacity: 4 × 100ml

BENCHTOP LOW SPEED LARGE CAPACITY CENTRIFUGE CTL550



TECHNICAL PARAMETER

Maximum speed	5500r/min
Maximum RCF	5310×g
Maximum capacity	3000ml (4×750ml)
Speed accuracy	±10r/min
Power	750W
Timing range	1s-99h59min59s
Power supply	AC 220V 50Hz 10A
Timing range	1s-99h59min59S
Machine noise	≤58dB(A)
Dimensions	460×590×405(mm)
Packing dimensions	510×660×455(mm)
Net weight	50kg

PRODUCT FEATURES

- Microcomputer control, AC brushless frequency conversion motor drive , no carbon powder pollution .
- Instantaneous and continuous centrifugation , parameters can be changed arbitrarily during operation without stopping.
- Large-screen LCD display with touch panel, programmable operation; displayed in seconds when countdown time is less than one minute .
- Equipped with mulconicale protections such as over speed, misoperation , speed failure , inverter failure , door cover self-locking , etc . to ensure personal and machine safety.

EXAMPLE OF ROTORS



Max speed: 4000r/min
Max RCF: 3040×g
Capacity: 4×500ml



Max speed : 5000r/min
Max RCF: 4390×g
Capacity: 4×100ml



Max speed: 4200r/min
Max RCF : 3100×g
Capacity : 50ml/15ml

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12 × 15ml	5500	5310
Square buckets		4x buckets 4×10×15ml (conical) 4×10×15ml 4×20×10ml 4×4×50ml		
Adaptor	NO.2	4×25×1 .5ml 4×28×5ml 4×4×50ml (conical) 4×4×50ml 4×250ml	4000	3040
Micro plate rotor	NO.3	2 × 2 × 96Well	4000	2200
Swing rotor		4 × 100ml		
Tubes		4 × 100ml 4 × 50ml (conical) 4 × 50ml 4 × 30ml 4 × 20ml		
Adaptor	NO.4	4 × 15ml (conical) 4 × 15ml 4 × 3 × 5ml(vacuum tube) 4x2x10ml 4 × 4 × RIA tube 4 × 3 × 1.5ml	5000	4390
Swing rotor		4 × 2 × 50ml		
Tubes		4 × 2 × 50ml 4 × 2 × 100ml		
Tubes		4 × 2 × 100ml 8 × 50ml (conical) 8 × 50ml 8 × 30ml 8 × 20ml		
Adaptor		8 × 15ml (conical) 8 × 15ml		
NO.5		8 × 3 × 5ml(vacuum tube) 8 × 2 × 10ml 8 × 4RIA tube 8 × 3 × 1.5ml	4200	3100
Tubes		4 × 8 × 15ml 4 × 8 × 10ml		
Adaptor		4 × 8 × 7ml 4 × 8 × 5ml		
Bucket		4 × 16 × 5ml/7ml		
Bucket		4 × 12 × 5ml/7ml		
Swing out rotor	NO.6	4 × 750ml	4000	3500

TABLETOP LOW SPEED LARGE CAPACITY CENTRIFUGE CENLEE5K



Max speed: 4000r/min
Max RCF: 3040×g
Capacity: 4×500ml



Max speed: 4000r/min
Max RCF: 2200×g
Capacity: 2×2×96well



Max speed: 4000r/min
Max RCF: 3040×g
Capacity: 4x250ml(conical)

TECHNICAL PARAMETER

Maximum speed	5000r/min
Maximum RCF	4390×g
Maximum capacity	2000ml (4×500ml)
Sample range	10ml-500ml
Speed accuracy	±10r/min
Timing range	1 min-99min
Power supply	AC 220V 50Hz 10A
Machine noise	≤58dB(A)
Power	750W
Chamber diameter	Φ400
Dimensions	415×560×355 mm
Packing Dimensions	510×660×450 mm
Net weight	44kg

PRODUCT FEATURES

- Intelligent microcomputer control, LCD or LED digital display is convenient to read and store various parameters .
- According to the alarm information , the parameters can be changed arbitrarily during operation without stopping the machine .
- 9 speed-up and 10 speed-reduction gears, three groups of damping shock absorption, instantaneous and continuous centrifugation available .
- Unique design and excellent rubber isolation ring can prevent condensation water from entering the motor, protecting the motor effectively.
- The special spring taper sleeve is used to connect the rotor and the main shaft. It is convenient and simple to install and unload the rotor, without direction , expand the contact area, safe and reliable .
- Equipped with multiple protections such as over speed, over temperature, door cover self-locking, unbalanced, stainless steel inner sleeve , and three-level protective sleeve to ensure the safety of people and machines .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	12 × 15ml	5000	3500
Swing rotor body		4 × 500ml	4000	3040
Round cup	NO.2	4 × 500ml	4000	3040
Swing bucket		2 × 24 × 7ml	4000	3040
Micro plate rotor body	NO.3	2 × 2 × 96well	4000	2200
Micro plate bucket		2 × 2 × 96well	4000	2200
Swing rotor body	NO.4	4 × 100ml	5000	4390
Tubes holder		4 × 100ml	5000	4390
Swing rotor body		8 × 100ml	4000	2810
Tubes holder		8 × 50ml	4000	2810
Tubes holder		8 × 100ml	4000	2810
Tubes holder	NO.5	32 × 15/10/7ml vacuum tubes	4000	2810
Bucket		64 × 7ml/5ml vacuum tubes	4000	2810
Bucket		48 × 5/7ml vacuum tubes	4000	2810
Swing rotor body	NO.6	4x250ml (conical)	4000	3040

LOW-SPEED MULTI-TUBE RACK AUTOMATIC BALANCE CENTRIFUGE

XL5A



Max speed : 5500r/min
Max RCF: 4060×g
Capacity : 12×10ml



Max speed : 5000r/min
Max RCF: 4390×g
Capacity: 4×100ml



Max speed: 4000r/min
Max RCF: 2810×g
Capacity : 50ml/15ml

TECHNICAL PARAMETER

Maximum speed	5500r/min
Maximum RCF	4390×g
Maximum capacity	800ml
Sample range	10ml-100ml
Speed Accuracy	±10r/min
Timing range	1 min-99min
Power supply	AC 220V 50Hz 5A
Machine noise	≤58dB(A)
Power	500W
Chamber diameter	Φ370
Dimensions	415×560×355(mm)
Packing dimensions	460×600×440mm)
Net weight	44kg

PRODUCT FEATURES

- Intelligent microcomputer control , digital/LCD display for easy reading , parameters adjustable during operation .
- Driven by variable frequency AC motor with accurate FOC vector control , low noise , energy-saving.
- up/10 down gears , damping shock absorption , NR rubber for preventing sample resuspension .
- Powder-coated housing , corrosion-resistant and scratch-resistant .
- High-quality 304 stainless steel centrifugal cavity, durable .
- Inner locking cover for safe operation , air conduction system for reducing body temp .
- Mechanical and electronic door locks for high reliability.
- Multiple protections , RCF value auto-calculation and auto-balance for safety .
- Proprietary airflow guide design for small temp rise and sample protection .
- Displays in seconds when countdown time < 1 min .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	12×10ml	5500	4060
Swing rotor	NO.2	4×100ml	5000	4390
		8×50ml		
		4×50ml		
Tubes holder	NO.3	32×10/15ml/Vacuum blood tube		
		24×10/15ml/Vacuum blood tube	4000	2810
		16×10/15ml/Vacuum blood tube		
		8×100ml		
Bucket		48/40×5/7ml/Vacuum blood tube		
Micro plate rotor body	NO.4	2×2×96Well	4000	2200

BENCH TOP LOW SPEED AUTO BALANCING CENTRIFUGE CTL600



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	5120×g
Maximum capacity	200ml
Speed accuracy	±10r/min
Timing range	1 min-99min
Machine noise	≤60dB(A)
Power	250W
Dimensions	355×485×285mm
Packing dimensions	410×530×355mm
Net weight	22kg

PRODUCT FEATURES

- Microcomputer control , DC brushless motor drive .
- Special shock absorber with automatic balance function
- With electronic door lock , the centrifuge cannot be started if the door cover is not closed; if the door cover is opened abnormally during operation , it will automatically stop .
- A variety of stainless steel tube rack rotors , easy to replace .
- Parameters can be changed during operation without stop .

EXAMPLE OF ROTORS



Max speed: 6000r/min
Max RCF: 5120×g
Capacity: 12×15ml



Max speed: 4200r/min
Max RCF: 2760×g
Capacity: 4×50ml

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	12×15ml	6000	5120
Swing out rotor(disk)	NO.2	4×50ml	4200	2760
Swing out rotor(disk)	NO.3	12×15ml	4000	2500

LOW SPEED AUTO-BALANCING CENTRIFUGE CTL500



TECHNICAL PARAMETER

Maximum speed	5000r/min
Maximum RCF	4030×g
Maximum capacity	400ml
Speed accuracy	±10r/min
Timing range	1 min-99min
Power supply	AC 220V 50Hz 5A
Machine noise	≤60dB(A)
Power	250W
Dimensions	355×485×285(mm)
Packing dimensions	410×530×355(mm)
Net weight	22kg

PRODUCT FEATURES

- Microcomputer control , DC brushless motor drive .
- Automatic calculation and setting of RCF value , special shock absorber with automatic balance function .
- Electronic door lock , the centrifuge cannot be started without the door cover closed ; if the door cover is opened abnormally during operation , it will automatically stop .
- Parameters can be changed arbitrarily during operation without stopping.

EXAMPLE OF ROTORS



Max speed : 5000r/min
Max RCF: 4030×g
Capacity: 24×10ml



Max speed: 4000r/min
Max RCF: 2500×g
Capacity: 4×100ml

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	24×10ml	5000	4030
Swing out rotor(disk)	NO.2	4×50ml	4200	2760
Swing out rotor(disk)	NO.3	4×100ml	4000	2500

BENCH TOP LOW SPEED CENTRIFUGE CTL420



Max speed: 4200r/min
Max RCF: 2760×g
Capacity: 4×50ml/8×10ml



Max speed: 4200r/min
Max RCF: 2760×g
Capacity: 12×15ml



Max speed: 4200r/min
Max RCF: 2760×g
Capacity: 4×50ml

TECHNICAL PARAMETER

Maximum speed	4200r/min
Maximum RCF	2760×g
Maximum capacity	12×20ml
Speed accuracy	±10r/min
Timing range	1 min-99min
Power supply	AC 220V 50Hz 5A
Machine noise	≤60dB(A)
Power	400W
Dimensions	355×485×285(mm)
Packing dimensions	410×530×355(mm)
Net weight	22kg

PRODUCT FEATURES

- Microcomputer control , DC brushless motor drive .
- Special shock absorber with automatic balance function
- With electronic door lock , the centrifuge cannot be started if the door cover is not closed; if the door cover is opened abnormally during operation , it will automatically stop .
- A variety of stainless steel Tube holder rotors , easy to replace .
- Parameters can be changed during operation without stop .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	18 × 10ml 12 × 20ml	4000	2200
Swing out rotor(disk)		4 × 50ml		
Tube holder		4 × 50ml		
Swing out rotor(disk)		12 × 15ml/Vacuum tube		
Tube holder	NO.2	12 × 15ml 12 × 1.5ml	4200	2760
Adapter		12 × 5ml 12 × 7ml		
Tube holder		12 × 5ml		
Swing out rotor(disk)		8 × 10ml/Vacuum tube		
Tube holder		8 × 10ml		

BENCHTOP AUTOMATIC BALANCING CENTRIFUGE CENLEE4K



Max speed: 4000r/min
Max RCF: 2200×g
Capacity : 18×10ml



Max speed: 4000r/min
Max RCF: 2200×g
Capacity : 12×20ml



Max speed: 4000r/min
Max RCF: 2200×g
Capacity: 24×10ml

TECHNICAL PARAMETER

Maximum speed	4000r/min
Maximum RCF	2200×g
Maximum capacity	300ml
Speed accuracy	±10r/min
Timing range	1 min-99min
Power supply	AC 220V 50Hz 5A
Machine noise	≤60dB(A)
Power	250W
Dimensions	310×390×250 (mm)
Packing dimensions	370×460×300 (mm)
Net weight	14kg

PRODUCT FEATURES

- Brushless DC motor, maintenance-free .
- Microcomputer control , LCD display, simple operation .
- Parameters can be changed arbitrarily during operation without stopping.
- Stainless steel centrifugal cavity, corrosion resistant, easy to clean, safe and stable .
- Parameters such as speed and time can be set, which is convenient and durable .
- Electronic door lock , door cover protection, over-speed and multi-protection functions, automatic alarm function for malfunction . It's safe and reliable .
- Parameters such as speed and time can be set, which is convenient and durable .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	18×10ml/5ml Vacuum tube 12×15/20ml/5ml Vacuum tube 24×10ml/5ml Vacuum tube 6×50ml	4000	2200

TABLETOP LOW SPEED CENTRIFUGE TD6M

TD4Z-WS Universal low-speed desktop centrifuge , widely used in biochemical laboratories , hospitals Clinical testing , qualitative analysis of serum , plasma and pharmaceutical preparations .



TECHNICAL PARAMETER

Maximum speed	6000r/min
Maximum RCF	5120×g
Maximum capacity	300ml
Speed accuracy	±10r/min
Power	350W
Machine noise	≤60dB(A)
Timing range	1 min-99min
Power supply	AC 220V 50Hz 8A
Dimensions	345×470×270(mm)
Packing dimensions	410×530×355(mm)
Net weight	16kg

PRODUCT FEATURES

- Microcomputer control , DC brushless motor drive , stable operation and low noise .
- All-steel shell , simple appearance , beautiful curve , special shock absorption system , automatic balance function .
- Equipped with door cover protection , overspeed and other protection functions , automatic fault alarm function , safe and reliable .
- Air-cooled centrifuge , effectively reducing temperature rise during centrifugation .
- The parameters can be changed arbitrarily during operation without stopping the machine .

EXAMPLE OF ROTORS



Max speed: 6000r/min
Max RCF: 5120×g
Capacity : 12×10/15ml



Max speed: 6000r/min
Max RCF: 5120×g
Capacity: 6×50ml

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	12×10/ 15ml	6000	5120
Angle rotor	NO.2	6×50ml	6000	5120

TABLETOP LOW SPEED CENTRIFUGE TD5G

TD4Z-WS Universal low-speed desktop centrifuge , widely used in biochemical laboratories , hospitals Clinical testing , qualitative analysis of serum , plasma and pharmaceutical preparations .



TECHNICAL PARAMETER

Maximum speed	5000r/min
Maximum RCF	4020×g
Maximum capacity	300ml
Speed accuracy	±10r/min
Power	350W
Machine noise	≤60dB(A)
Timing range	1 min-99min
Power supply	AC 220V 50Hz 8A
Dimensions	345×470×270(mm)
Packing dimensions	410×530×355(mm)
Net weight	16kg

PRODUCT FEATURES

- Microcomputer control , DC brushless motor drive , stable operation and low noise .
- All-steel shell , simple appearance , beautiful curve , special shock absorption system , automatic balance function .
- Equipped with door cover protection , overspeed and other protection functions , automatic fault alarm function , safe and reliable .
- Air-cooled centrifuge , effectively reducing temperature rise during centrifugation .
- The parameters can be changed arbitrarily during operation without stopping the machine .

EXAMPLE OF ROTORS



Max speed : 5000r/min
Max RCF: 4020×g
Capacity : 12×10/15ml



Max speed : 5000r/min
Max RCF: 4020×g
Capacity: 6×50ml

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	12×10/ 15ml	5000	4020
Angle rotor	NO.2	6×50ml	5000	4020

BENCH TOP AUTO BALANCING CENTRIFUGE TD4Z-WS

TD4Z-WS Universal low-speed desktop centrifuge, widely used in biochemical laboratories, hospitals Clinical testing , qualitative analysis of serum , plasma and pharmaceutical preparations .



TECHNICAL PARAMETER

Maximum speed	4000r/min
Maximum RCF	2200×g
Maximum capacity	300ml
Speed accuracy	±10r/min
Power	250W
Machine noise	≤60dB(A)
Timing range	1 min-99min
Power supply	AC 220V 50Hz 5A
Dimensions	315×400×245(mm)
Packing dimensions	370×460×300(mm)
Net weight	16kg

PRODUCT FEATURES

- Brushless DC motor, maintenance-free .
- Microcomputer control , digital display, simple operation .
- Parameters can be changed during operation without stopping the machine .
- Steel body, stainless steel centrifugal cavity, corrosion resistant, easy to clean , safe and stable .

EXAMPLE OF ROTORS



Max speed: 4000r/min
Max RCF: 2200×g
Capacity : 18×10ml



Max speed: 4000r/min
Max RCF: 2200×g
Capacity : 12×20ml



Max speed: 4000r/min
Max RCF: 2200×g
Capacity: 24×10ml

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	18×10ml/5ml Vacuum tube	4000	2200
Angle rotor		12×15/20ml/5ml Vacuum tube	4000	2200
Angle rotor		24×10ml/5ml Vacuum tube	4000	2200
Angle rotor		6×50ml	4000	2200

TD6MMINI 4K MINI 7K MINI 10K MINI 12K

Palm centrifuge-the first choice for mini centrifuges

Application fields: widely used in medical care (such as hospitals , disease control centers , blood centers , animal husbandry and aquatic products , radioimmunity) ; research (such as universities , research institutes , research and development centers , laboratories) ; production (such as biological Engineering , biopharmaceuticals , genetic engineering , biochemistry , plant extraction , blood preparations , food processing , petrochemicals , milk fat separation) and other fields .



PRODUCT FEATURES

- Patented mute technology, low noise operation .
- Maintenance-free motor and high-speed rotor.
- Durable , safe and reliable .

EXAMPLE OF ROTORS



TECHNICAL PARAMETER

Rotor type	Parameter			
Model	MINI4K	MINI7K	MINI10K	MINI12K
Maximum speed	4000r/min	7000/min	10000/min	12000/min
Maximum RCF	1000×g	2700×g	5500×g	7900×g
Maximum capacity(ml)	8×2/ 1.5/0 .5/0 .2ml 4×8×0.2 (0.2ml PCR 8pcs tubes)			
Dimensions	189×161×122(mm)			
Machine noise	≤45dB(A)			
Net weight	1.5kg			

PALM CENTRIFUGE

SUPERMIM10K SUPERMIM12K

Application fields: widely used in medical treatment (such as hospitals, disease control centers, blood centers, animal husbandry and aquatic products, radioimmunity); research (such as universities, research institutes, research and development centers, laboratories); production (such as biological Engineering, biopharmaceuticals, genetic engineering, biochemistry, plant extraction, blood preparations, food processing, petrochemicals, milk fat separation) and other fields.



PRODUCT FEATURES

- Convenient and efficient 8-hole rotor, compatible with four centrifuge tubes of 2ml , 1.5ml, 0.5ml and 0.2ml.
- The input voltage range is 85-265VAC.
- Unique rotor buckle design , convenient for rotor replacement.
- Equipped with LED digital display, time and speed can be set, ultra-low noise , maintenance-free motor, safe and reliable .

TECHNICAL PARAMETER

Rotor type	Parameter	
Model	Supermini10K	Supermini12K
Maximum speed	10000r/min	12000/min
Maximum RCF	5500×g	7900×g
Maximum capacity (ml)	8×2/ 1.5/0 .5/0 .2ml 4×8×0.2 (0.2ml PCR tube 8 strip)	
Dimensions	196×176×122mm	
Machine noise	≤45dB(A)	
Timing range	1-99min	
Net weight	1.5kg	

LOW SPEED AUTO-BALANCING CENTRIFUGE TD4D

TD4Z-WS Universal low-speed desktop centrifuge , widely used in biochemical laboratories , hospitals Clinical testing , qualitative analysis of serum , plasma and pharmaceutical preparations .



TECHNICAL PARAMETER

Maximum speed	4000r/min
Maximum RCF	2200×g
Angle rotor	8×10/ 15ml/20ml/ 12×5ml Vacuum blood collection tube
Power	100W
Speed accuracy	±10r/min
Machine noise	≤65dB(A)
Power supply	AC 220V 50HZ 3A
Timing range	1 min-99min
Dimensions	255×310×200mm
Packing dimensions	380×330×280mm
Net weight	5kg

PRODUCT FEATURES

- Microcomputer control , DC brushless motor drive , stable operation and low noise .
- Plastic shell , simple appearance , special shock absorption system ,automatic balance function .
- Conversion between rpm/rcf, easy to operate .
- Equipped with multiple protection functions such as over speed ,automatic fault alarm function , safe and reliable .
- Parameters can be changed arbitrarily during operation without stop .

EXAMPLE OF ROTORS



Max speed: 4000r/min
Max RCF: 2200×g
Capacity: 8×10ml/5ml Vacuum tube



Max speed: 4000r/min
Max RCF: 2200×g
Capacity : 12×5ml Vacuum tube

BENCHTOP LOW SPEED AUTO-BALANCING CENTRIFUGE CTL600-A

It's centrifuge has a rotor and program dedicated to blood banks/Blood station , the centrifuge was is designed to meet rapid centrifugation of blood banks .



TECHNICAL PARAMETER

Maximum speed	5000r/min
Maximum RCF	3555×g
Maximum capacity	12×15ml
Speed accuracy	±10r/min
Power	350W
Machine noise	≤60dB(A)
Timing range	1 min-99min
Power supply	AC 220V 50Hz 5A
Dimensions	355×490×280mm
Packing dimensions	410×530×355mm
Net weight	22kg

PRODUCT FEATURES

- It adopts microcomputer control , digital display, brushless DC
- Motor drive , 10 daily used program can be saved
- Short acceleration/deceleration time , the shortest acceleration time ≤ 5S.
- Electronic door lock , stainless steel inner cavity.
- Equipped with fault self-diagnosis system , can automatically detect over-speed , imbalance , door cover self-locking and other faults , fault information at display window; Compatible with both instantaneous centrifugation and continuous centrifugation
- Parameters can be changed during operation without stop .

EXAMPLE OF ROTORS



Max speed : 5000r/min

Max RCF : 3555×g

Capacity : 12×15ml

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Main machine	CTL600-A	12×15ml (Angle rotor)	5000	3555

BLOOD CARD CENTRIFUGE CTD-12K CTD-24K

TD4Z-WS Universal low-speed desktop centrifuge , widely used in biochemical laboratories , hospitals Clinical testing , qualitative analysis of serum , plasma and pharmaceutical preparations .



TECHNICAL PARAMETER

Model	CTD-12K	CTD-24K
Maximum speed	4000r/min	4000r/min
Maximum RCF	1790×g	2325×g
Maximum capacity	12	24
Motor	Brushless DC motor	Brushless DC motor
Power	350W	350W
Machine noise	≤60dB(A)	≤60dB(A)
Timing range	1 min-99min	1 min-99min
Power supply	AC 220V 50Hz	AC 220V 50Hz
Chamber diameter	Φ280	Φ280
Program settin	40	40
Net weight	22kg	22kg

PRODUCT FEATURES

- DC brushless motor, microcomputer control , simple operation .
- Press RCF button to observe the centrifugal force and speed at any time .
- Equipped with electronic door lock , over speed , system self-check and other protection functions to ensure the safety of people and machines .
- Standard procedures are set for various experiments such as blood type testing , blood serology, etc., clinical laboratory testing and research are standardized.
- Parameters can be changed arbitrarily during operation without stopping.

EXAMPLE OF ROTORS



Max speed: 4000r/min
Max RCF: 2325×g
Capacity: 24K



Max speed: 4000r/min
Max RCF: 1790×g
Capacity : 12K

LOW SPEED URINE SEDIMENT SEPARATION CENTRIFUGE TD4N



TECHNICAL PARAMETER

Maximum speed	4000r/min
Maximum RCF	2810×g
Maximum capacity	32×15 ml
Speed accuracy	±10r/min
Power	400W
Machine noise	≤65dB(A)
Timing range	1 min-99min
Power supply	AC 220V 50Hz 10A
Dimensions	415×590×355mm
Packing dimensions	450×660×410mm
Net weight	40kg

PRODUCT FEATURES

- The centrifuge dedicated equipped with high efficiency, large volume and good separation effect for sediment analyzer
- parameters can be changed at any time during operation.Compatible with instantaneous and continuous centrifugation mode .
- Microcomputer control and LED display. Simple operation for set data for rpm/rcf/timing.
- 9 types of rising speed for quick start/stop .
- Metal case , electronic mechanical door lock , fault alarm function , safe and reliable .

EXAMPLE OF ROTORS



Max speed: 4000r/min
Max RCF: 2810×g
Capacity: 32×15 ml

IMMUNE BLOOD CENTRIFUGE

CKA-2200

Suitable for antibody screening of complete and incomplete antibodies, blood matching and blood group identification; it can also be used for centrifugal layering of blood components.

TECHNICAL PARAMETER



Maximum speed	4500r/min
Maximum RCF	2000×g
Maximum capacity	7ml×12(Φ10 ~ 13×65 ~ 100mm)
Speed accuracy	±10r/min
Power	100W
Machine noise	≤62dB(A)
Timing range	1 min-99min
Power supply	AC 220V 50Hz 10A
Dimensions	355×490×280mm
Packing dimensions	410×660×450mm
Net weight	22kg

PRODUCT FEATURES

- Equipped with red blood cell cleaning/SERO rotor, lymphocyte cleaning HLA rotor.
- Microcomputer control, AC variable frequency motor, rotor centrifugation program standardization.
- Parameters can be changed arbitrarily during operation without stopping.

EXAMPLE OF ROTORS



Max RCF: 2000×g
Capacity: (0.25~1ml) ×12



Max RCF: 1000×g
Capacity: 7ml×12, (10~13×65~100mm)

ROTOR

Rotor type	Rotor No.	RCF(×g)	Centrifuge time	Application
	NO.1	2000×g	180s	Lymphocyte separation, cultured cell separation
Lymphocyte cleaning/HLA	NO.2	1000×g	30s	Removal of platelets (thrombin treatment)
	NO.3	1000×g	60s	Lymphocyte cleaning
	NO.4	500×g	60s	Blood type recognition, observation of hemagglutination reaction
Red blood cell washing/SERO	NO.5	1000×g	15s	Cross fit test, anti-globulin test
	NO.6	1000×g	60s	Blood cell washing, serum and plasma extraction

CELL SMEAR CYTOSPIN CLINICAL CENTRIFUGE CYJ-6

Cytocentrifugation (also known as "cytospin") provides the best method for both concentrating cells in body fluid samples and maintaining cellular morphology. The cytospin process works by wicking fluid into a filter while fluid samples are spun into a central column and deposited in a monolayer onto a defined area of a slide.



TECHNICAL PARAMETER

Maximum speed	3000r/min
Maximum RCF	730×g
Maximum capacity	0.1~0.5 ml
Speed accuracy	±10r/min
Power	260W
Machine noise	≤60dB(A)
Timing range	1 min-99min
Power supply	AC 220V 50Hz 5A
Chamber diameter	Φ320
Dimensions	356×485×272mm
Packing dimensions	410×660×450mm
Net weight	23.8kg

PRODUCT FEATURES

- Microcomputer control , DC brushless motor drive .
- Parameters can be changed at any time during operation without stopping the machine .
- Automatic calculation and setting of RCF value , dedicated RCF key .
- Fault self-diagnosis system , if over speed , speed loss and other faults are detected during operation , it will decelerate and stop . immediately to improve the safety performance of the instrument .
- Air-cooled structure to effectively reduce temperature rise during centrifugation .
- Equipped with a variety of smear spindles , smear tests can be performed for various humor to achieve the best smear effect .

EXAMPLE OF ROTORS



Max speed : 3000r/min
Max RCF: 730×g
Capacity : 12×0.1-0.5ml



Max speed: 2000r/min
Max RCF : 545×g
Capacity: 6K

CAPILLARY BLOOD CENTRIFUGE HEMATOCRIT CENTRIFUGE

TG12M/TG12

Application:

Tg12 micro hematocrit centrifuge is specific centrifuge to measure hematocrit value , centrifugation of micro blood and micro liquid. Proving a quantitative hematocrit reading for up to 12-24 blood samples It is an ideal hematocrit centrifuge for point-of care and laboratory use in clinics and hospitals .



TECHNICAL PARAMETER

Maximum speed	12000r/min
Maximum RCF	14800×g
Maximum capacity	24pcs capillary(TG12M) 12pcs capillary(TG12)
Speed accuracy	±10r/min
Power	300W
Machine noise	≤60dB(A)
Timing range	1 min-99min
Power supply	AC220V±22V 50Hz 5A
Dimensions	315×400×245mm
Packing dimensions	370×460×300mm
Net weight	16kg

PRODUCT FEATURES

- Microcomputer control , DC brushless motor drive , stable operation , low noise .
- Parameters can be changed at any time during operation without stopping the machine .
- Automatic calculation and setting of centrifugal force RCF value , dedicated RCF key, can be observed at any time .
- Display in seconds when the countdown time is less than one minute .
- Fault self-diagnosis system , detect over speed , speed loss etc faults , improve the safety performance of the instrument .

EXAMPLE OF ROTORS



Max speed : 12000r/min

Max RCF : 14800×g

Capacity: 24pcs capillary

VERTICAL REFRIGERATED AUTO UNCAP CENTRIFUGE TMF168R/TM16



TECHNICAL PARAMETER

Model	TMF168R(Refrigerated)	TMF16
Maximum speed	4000r/min	4000r/min
Maximum RCF	3850×g	3850×g
Timing range	1 min-99h59min	1 min-99h59min
Rotor	168Well (Φ13×75 ~ 100)	168Well (Φ13×75 ~ 100)
Speed Accuracy	±10r/min	±10r/min
Temperature range	-20°C~+40°C	/
Temperature accuracy	±1°C	/
Machine noise	≤58dB(A)	≤58dB(A)
Dimensions	620×740×810(mm)	620×740×810(mm)
Packing dimensions	700×840×1000(mm)	700×840×1000(mm)
Net weight	180kg	160kg

PRODUCT FEATURES

- Microcomputer control ,LCD display.
- AC brushless frequency conversion motor drive , low noise .
- The centrifugal chamber is made of high-quality 304 stainless steel , which is durable .
- The vacuum blood collection tube is automatically capped in 100% , which is convenient and quick , and effectively prevents hemolysis caused by the vibration when manually removing the cap .
- Special shock absorber, good vibration reduction effect , with automatic balance function .
- CFC-free compressor unit (imported compressor) , fast cooling , low noise ,unique pre-cooling design , environmental protection and high efficiency .
- Over-speed , over-temperature , door lock self-locking , unbalance etc protection functions; the rotor can be sterilized by high temperature and high pressure , instant and continuous centrifugation are available .
- UP-Titanium and nano-silver mixed activated carbon filter, healthy and eco-friendly.

EXAMPLE OF ROTORS



Max speed: 4000r/min
Max RCF : 3850×g
Capacity : 168Well



Max speed: 4000r/min
Max RCF: 3850×g
Capacity : 168×5/7ml

VERTICAL REFRIGERATED AUTO UNCAP CENTRIFUGE

TMF120R/TM120

TD4Z-WS Universal low-speed desktop centrifuge , widely used in biochemical laboratories , hospitals Clinical testing , qualitative analysis of serum , plasma and pharmaceutical preparations .



TECHNICAL PARAMETER

Model	TMF120R(Refrigerated)	TMF120
Maximum speed	4000r/min	4000r/min
Maximum RCF	3370×g	3370×g
Timing range	1 min-99h59min	1 min-99h59min
Rotor	120Well (Φ13×75 ~ 100)	120Well (Φ13×75 ~ 100)
Speed accuracy	±10r/min	±10r/min
Temperature range	-20°C~+40°C	/
Temperature accuracy	±1°C	/
Machine noise	≤58dB(A)	≤58dB(A)
Dimensions	620×740×810(mm)	620×740×810(mm)
Packing dimensions	700×840×1000(mm)	700×840×1000(mm)
Net weight	150kg	120kg

PRODUCT FEATURES

- Microcomputer control , LCD display.
- AC brushless frequency conversion motor drive , low noise .
- The centrifugal chamber is made of high-quality 304 stainless steel , which is durable .
- The vacuum blood collection tube is automatically capped in 100% , which is convenient and quick , and effectively prevents hemolysis caused by the vibration when manually removing the cap .
- Special shock absorber, good vibration reduction effect, with automatic balance function .
- CFC-free compressor unit (imported compressor) , fast cooling , low noise , unique pre-cooling design , environmental protection and high efficiency .
- Over-speed , over-temperature , door lock self-locking , unbalance etc protection functions; the rotor can be sterilized by high temperature and high pressure , instant and continuous centrifugation are available .
- UP-Titanium and nano-silver mixed activated carbon filter, healthy and eco-friendly .

EXAMPLE OF ROTORS



Max speed: 4000r/min

Max RCF: 3370×g

Capacity : 120×5/7ml Vacuum blood tube

BENCH TOP LOW SPEED MEDICAL CENTRIFUGE TD5B

TD4Z-WS Universal low-speed desktop centrifuge, widely used in biochemical laboratories, hospitals Clinical testing , qualitative analysis of serum , plasma and pharmaceutical preparations .



TECHNICAL PARAMETER

Maximum speed	5000r/min
Maximum RCF	4020×g
Maximum capacity	360ml
Speed accuracy	±10r/min
Machine noise	≤58dB(A)
Timing range	1s-99h59min59s
Power supply	AC 220V 50Hz 5A
Dimensions	415×590×355mm
Packing dimensions	510×660×450mm
Net weight	44kg



Max speed : 5000r/min
Max RCF: 4020×g
Capacity : 12×10ml



Max speed: 4000r/min
Max RCF: 3850×g
Capacity: 72×5ml

PRODUCT FEATURES

- Intelligent microcomputer control; digital display (LED) or large-screen LCD liquid crystal display.
- Driven by variable frequency AC motor, FOC vector control system is more accurate , low noise , energy saving and environmental protection .
- 9 speed-up gears, 10 speed-reduction gears, three sets of damping shock absorbers, and customized high-quality NR rubber shock absorbers to prevent samples from re-suspending.
- The outer wall of the casing is powder-coated, with a uniform outer surface , corrosion-resistant and scratch-resistant.
- The centrifugal chamber is made of high-quality 304 high-quality stainless steel material , which is durable .
- Mechanical and electronic door locks have a high degree of reliability.
- It is equipped with multiple protections such as over speed , door cover self-locking , and three-level protective cover .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	12 × 10ml	5000	4020
Swing out rotor	NO.2	64 × 5ml	4000	2810
Swing out rotor	NO.3	72 × 5ml	4000	2810

VERTICAL REFRIGERATED AUTO UNCAP CENTRIFUGE

TMF96R/TM96



TECHNICAL PARAMETER

Model	TMF96R(Refrigerated)	TMF96
Maximum speed	4000r/min	4000r/min
Maximum RCF	3166×g	3166×g
Timing range	1 min-99h59min	1 min-99h59min
Rotor	72/96Well (Φ13×75~100)	72/96Well (Φ13×75~100)
Speed accuracy	±10r/min	±10r/min
Temperature range	-20°C~+40°C	/
Temperature accuracy	±1°C	/
Machine noise	≤58dB(A)	≤58dB(A)
Dimensions	620×740×810mm	620×740×810mm
Packing dimensions	700×840×1000mm	700×840×1000mm
Net weight	150kg	120kg

PRODUCT FEATURES

- Microcomputer control ,LCD display.
- AC brushless frequency conversion motor drive , low noise .
- The centrifugal chamber is made of high-quality 304 stainless steel , which is durable .
- The vacuum blood collection tube is automatically capped in 100% , which is convenient and quick , and effectively prevents hemolysis caused by the vibration when manually removing the cap .
- Special shock absorber, good vibration reduction effect , with automatic balance function .
- CFC-free compressor unit (imported compressor), fast cooling , low noise ,unique pre-cooling design , environmental protection and high efficiency.
- Over-speed , over-temperature , door lock self-locking , unbalance etc protection functions; the rotorcan be sterilized by high temperature and high pressure , instant and continuous centrifugation areavailable .
- UP-Titanium and nano-silver mixed activated carbon filter, healthy and eco-friendly.

AUTOMATIC CAPPING OPERATION METHOD



BENCHTOP AUTOMATIC DECAP CENTRIFUGE TM96/TM72/TM48

TECHNICAL PARAMETER

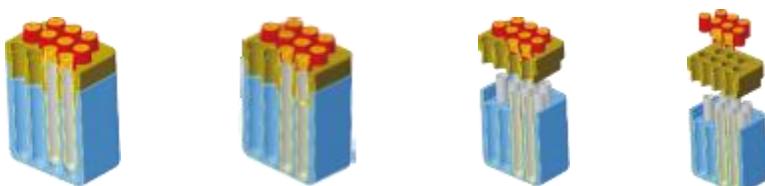
Model	TM96	TM72	TM48
Maximum speed	4000r/min	4000r/min	4000r/min
Maximum RCF	3166×g	28626×g	2772×g
Timing range	1s-99h59min59s	1s-99h59min59s	1s-99h59min59s
Rotor	96Well ($\Phi 13 \times 75 \sim 100$)	72Well ($\Phi 13 \times 75 \sim 100$)	48Well ($\Phi 13 \times 75 \sim 100$)
Speed accuracy	± 10 r/min	± 10 r/min	± 10 r/min
Machine noise	≤ 58 dB(A)	≤ 58 dB(A)	≤ 58 dB(A)
Dimensions	460×590×405(mm)	460×590×405(mm)	460×590×405(mm)
Packing dimensions	510×660×450(mm)	510×660×450(mm)	510×660×450(mm)
Net weight	50kg	50kg	50kg



PRODUCT FEATURES

- Microcomputer control, LCD display.
- AC brushless frequency conversion motor drive, low noise .
- The centrifugal chamber is made of high-quality 304 stainless steel, which is durable .
- The vacuum blood collection tube is automatically capped in 100%, which is convenient and quick , and effectively prevents hemolysis caused by the vibration when manually removing the cap.
- Special shock absorber, good vibration reduction effect , with automatic balance function .
- CFC-free compressor unit (imported compressor), fast cooling , low noise ,unique pre-cooling design, environmental protection and high efficiency.
- Over-speed, over-temperature , door lock self-locking , unbalance etc protection functions; the rotor can be sterilized by high temperature and high pressure , instant and continuous centrifugation are available .
- UP-Titanium and nano-silver mixed activated carbon filter, healthy and eco-friendly.

DEMONSTRATION OF THE PRINCIPLE OF AUTOMATIC COVER REMOVAL



MILK FAT CENTRIFUGE GERBER CENTRIFUGE RZ10/RZ40/RZ50



PRODUCT FEATURES

- RZ10/RZ40/RZ50 The bench top milk fat centrifuge is a special equipment for the analysis of the hygienic standard of restricted products .
- Suitable for measuring the volume or percentage of fat in milk ,dairy products ,medicine , chemical industry and sanitary food.
- RZ40 is mainly suitable for the standard physical and chemical inspection of the relative density of fat in milk and dairy products by the Babuco method.
- RZ50 is used for the standard physical and chemical test of the relative density of fat in milk and dairy products by the Gerber method and the Yinihupu method.
- RZ10 with heating and constant temperature function , suitable for the physical and chemical inspection of dairy products in enterprises .
- Parameters can be changed arbitrarily during operation without stopping the machine .
- Instantaneous and continuous centrifugation are available .



TECHNICAL PARAMETER

Model	RZ10	RZ40	RZ50
Max chamber diameter	200mm Heating and constant temperature	200mm	225mm
Rotor type	Fix angle	Swing out	Horizontal
Centrifuge tubes	8pcs Milk fat meter	4 test bottle	12pcs Milk fat meter
Maximum speed	1500r/min	3000r/min	2000r/min
Maximum RCF	504×g	2012×g	1008×g
Timing range	1 min-99min	1 min-99min	1 min-99min
Power supply	AC 220V 50HZ 5A	AC 220V 50HZ 10A	AC 220V 50HZ 10A
Dimensions	450×450×360(mm)	540×500×530(mm)	580×550×450(mm)
Net weight	25kg	50kg	45kg

CRUDE OIL MOISTURE DETERMINATION CENTRIFUGE DL5Y/TDL5Y

According to the GB/T6533-2012 standard , it is an ideal separation equipment for the oil extraction industry and research units for moisture determination .



Max speed: 4000r/min
Max RCF : 3100×g
Capacity : 36×10ml



Max speed: 4000r/min
Max RCF : 3300×g
Capacity: 4×100ml (petroleum pipe)

TECHNICAL PARAMETER

Model	DL5Y(Floor standing)	TDL5Y(Bench top)
Maximum speed	4000r/min	4000r/min
Maximum RCF	3300×g	3100×g
Maximum capacity	4×100ml	36×10ml
Temperature range	Ambient temperature+10°C ~+80°C	
Temperature accuracy	±1°C	
Timing range	1min-99min59S	
Power supply	AC 220V 50Hz 15A	AC 220V 50Hz 10A
Machine noise	≤60dB(A)	
Dimensions	550×660×790(mm)	490×590×405(mm)
Packing dimensions	680×780×1000(mm)	510×660×455(mm)
Net Weight	120kg	55kg

PRODUCT FEATURES

- Microcomputer control ,hand touch panel , operating parameters can be automatically memorized.
- High-torque brushless frequency conversion motor, ultra-high-speed bearings from Europe , stable operation and maintenance-free .
- Multi-layer damping structure , low vibration and low noise .
- Steel body, stainless steel centrifugal cavity, corrosion resistant, easy to clean and durable
- Protection functions such as over-temperature , over-speed , door cover self-locking , unbalance etc . Life calculation function of the main machine and rotor can ensure safety.
- High-power heating design , fast heating; SCT speed control technology, fast lifting speed , time-saving and efficient .
- 9 levels of lifting speed selection or input value of lifting speed time directly, can store 40 kinds of custom working modes, realize the optimal centrifugation .
- Displayed in seconds when the countdown time is less than one minute .

ROTOR

Rotor type	Capacity	Max speed (r/min)	Max RCF (×g)	Application
Swing rotor	36x10ml	4000r/min	3100×g	TDL5Y
Swing rotor	8x10ml	4000r/min	3100×g	TDL5Y
Swing rotor	4x100ml	4000r/min	3300×g	DL5Y

PLASMA GEL MAKING MACHINE PPP FILLER

The incubator is the core equipment for making plasma into autologous collagen during PPP application, and the plasma is heated to make a protoplasmic gel and then cooled. Autologous collagen is injected more safely and reliably for replacement of hyaluronic acid.



TECHNICAL PARAMETER

Model	PPP-filler
Power supply	AC 220V±22V 50Hz±1Hz 2A
Environment temperature	10~37°C
Max temperature	90°C ±0. 1°C
Maximum capacity	10 holes x (1-10ml)
Power	250W
Dimensions	290×290×150 (mm)
Packing dimensions	380×330×280 (mm)
Net weight	7Kg

PRODUCT FEATURES

- Digital display, temperature and time parameters can be set.
- Two independent bins for heating and cooling., each bin can store 10 wells at the same time and do not affect each other. Samples processing is quickly and efficiently.
- Adopted a more advance cooling system which for better cooling of the heated protoplasm gel.
- Microprocessor technology combined with PTD control mode for better temperature control with small fluctuation .
- Safe to use , reliable performance , automatic timing and alarm system .
- The appearance is simple and generous . Transparent cover for easy visibility of the whole experimental process .
- Instantaneous and continuous centrifugation are available .

MICROPLATE MINI CENTRIFUGE MINIG2500

MiniG2500 microplate centrifuge is a mini-type instant centrifuge specially designed for 96-well microplates. It can instantly remove the droplets from the wall. You only need to load the microplate from the top slot of the centrifuge vertically (liquid is kept at the bottom of the microplate under the action of surface tension, no need to leak), humanized programming, instant centrifugation, timing and speed adjustable operation modes, making the experiment more convenient and efficient.



TECHNICAL PARAMETER

Model	MiniG2500
Max speed	3000rpm(500-3000rpm)
Maximum RCF	600xg
Sample range	2X96 well PCR plate/ Enzyme plate, 24X0.2ml PCR tube;192X0.2ml PCR tube
Timing range	Pulse/ 1-99sec/ 1 -99min
Power supply	DC 24V power adapter (AC 100V-230V , 50/60Hz)
Dimensions	230×195×195 (mm)
Packing dimensions	312×260×250 (mm)
Net weight	2.6Kg

PRODUCT FEATURES

- 96-well, 384-well PCR plate; 96-well, 384-well ELISA plate, 8X0.2ml PCR tube, 0.2ml PCR tube.
- LCD display, centrifugal parameters can be modified during operation, humanized program design, centrifugal parameters can be modified during operation, making the experiment more convenient, efficient, quiet and stable.
- Instantaneous centrifugal function, automatic braking, the maximum speed can be set, and the application is expanded.
- The brushless DC motor is maintenance-free, has a faster acceleration and deceleration rate, and separates more samples in a shorter time.
- Unique appearance design, small size, no space, simple operation, full cover 90° open, convenient to take and place the microplate.
- Quickly centrifuge the droplets hanging on the wall, and significantly improve the experimental effect.
- The brushless DC motor is maintenance-free, has a faster acceleration and deceleration rate, and separates more samples in a shorter time.
- Unique appearance design, small size, no space, simple operation, full cover 90° open, convenient to take and place the microplate.
- Quickly centrifuge the droplets hanging on the wall, and significantly improve the experimental effect.

DESKTOP HIGH SPEED REFRIGERATED CENTRIFUGE CTH1650R

The CTH1650R desktop high-speed refrigerated centrifuge is suitable for 8 different rotors , which can meet a wide range of centrifugal applications . It has not only a micro-rotor but also a PCR tube rotor.CTH1650R has the current advanced refrigeration technology and adopts imported compressor units to ensure accurate temperature control and energy saving.The CTH1650R desktop high-speed refrigerated centrifuge is suitable for 8 different rotors , which can meet a wide range of centrifugal applications . It has not only a micro-rotor but also a PCR tube rotor.CTH1650R has the current advanced refrigeration technology and adopts imported compressor units to ensure accurate temperature control and energy saving.

TECHNICAL PARAMETER



Model	CTH1650R
Maximum speed	16500r/min
Maximum RCF	21532×g
Maximum capacity	80ml
Speed accuracy	±10r/min
Temperature range	-20°C~ +40°C
Temperature accuracy	±1°C
Timing range	0-99min
Power supply	AC 220V 50Hz 10A
Power	1000W
Machine noise	≤65dB(A)
Dimensions	415×660×320(mm)
Packing dimensions	470×710×410(mm)
Net weight	55kg



Max speed : 16500r/min
Max RCF: 18360×g
Capacity : 12×1.5ml



Max speed : 15000r/min
Max RCF: 21532×g
Capacity: 24×1.5ml

PRODUCT FEATURES

- 8 different rotors can be selected, which can centrifuge 0.2ml , 1.5ml centrifuge tubes and PCR tubes .
- Microcomputer control, direct drive of high torque AC variable frequency motor, large starting torque and fast acceleration .
- 9 kinds of speed-up gears , 10 kinds of speed-down gears , three groups of damping and shock absorption , the centrifugal effect reaches the best .
- Large-screen LCD display, users can arbitrarily set the centrifugal speed, centrifugal time, PCR value and speed curve , programmable operation , can store a variety of conventional programs .
- It is equipped with multiple protections such as over-speed,over-temperature , door cover self-locking , stainless steel inner sleeve , and three-level protective cover to ensure the safety of people and machines .
- Good cooling effect, all rotors can be maintained below -1 °C at the highest speed.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Angle rotor	NO.1	12 × 1.5ml	16500	18360
Angle rotor	NO.2	12 × 5ml	12000	10142
Angle rotor	NO.3	24 × 1.5ml	15000	21532
Angle rotor	NO.4	30 × 1.5ml	12000	16270
Angle rotor	NO.5	48 × 0.5ml	12000	10920
Angle rotor	NO.6	6 × 8 × 0.2ml PCRstrip	13000	16020
Angle rotor	NO.7	18 × 0.5ml	16000	15300
Angle rotor	NO.8	8 × 10ml	12000	12900

LOW SPEED AUTO BALANCING CENTRIFUGE TDZ5-WS



TECHNICAL PARAMETER

Maximum speed	5000r/min
Maximum RCF	4390×g
Max capacity	1000ml
Speed accuracy	±10r/min
Sample capacity	10ml-250ml
Chamber diameter	Φ370
Timing range	0-99min
Power supply	AC 220V 50Hz 5A
Power	400W
Machine noise	≤58dB (A)
Dimensions	415×590×355(mm)
Packing size	510×660×450(mm)
Net weight	44kg



Max speed: 4000r/min

Max RCF: 3040×g

Capacity: 4×250ml

PRODUCT FEATURES

- Intelligent microcomputer control with digital (LED) or large LCD display.
- FOC vector control system powered by variable frequency AC motor for precision, low noise, energy efficiency, and environmental friendliness.
- 9 acceleration & 10 deceleration gears, 3 damping shock absorbers, and customized NR rubber shock absorbers to prevent sample resuspension.
- Powder-coated outer casing for durability, corrosion, and scratch resistance.
- Centrifuge chamber made of high-quality 304 stainless steel for long-lasting use.
- Reliable mechanical and electronic door locks.
- Multiple safety features including over-speed protection, door cover self-locking, and triple protective cover.
- Exclusive airflow design for minimal temperature rise and sample protection. Countdown timer displayed in seconds, under one minute.

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(×g)
Swing out rotor	NO.1	4 × 100ml	5000	4390
Tube holders		4 × 100ml	5000	4390
Swing out rotor	NO.2	8 × 50ml		
Tube holders		8 × 100ml		
Tube holders		32 × 15/10/5ml vacuum tubes	4000	2810
Bucket		64 × 5/7ml vacuum tubes		
Bucket		72 × 5/7ml vacuum tubes		
Bucket		48 × 5/7ml vacuum tubes		
Micro plate rotor	NO.3	2 × 2 × 96Well	4000	2200
Swing out rotor	NO.4	4 × 250ml	4000	3040
Round cup		4 × 250ml	4000	3040

FILTRATION CENTRIFUGE CTS- II / CTS-5

Lab Filtration & Purification

"What is Centrifugal Filtration?" Simply put, a centrifuge lets you profitably accelerate and control the natural processes of separation and sedimentation.

Laboratory filtering centrifuge

Widely applicable in the fields of chemical industry, pharmaceuticals, metallurgy, mineral processing, salt



TECHNICAL PARAMETER

Model	CTS-II	CTS-5
Maximum speed	3000r/min	3000r/min
Maximum RCF	2100×g	2500×g
Maximum capacity	1000ml	5000ml
Max process Load(L/m)	10L/min	30L/min
Timer range(min:sec)	1 min-99min	1 min-99min
Power	AC 220V 50HZ 5A	AC 220V 50HZ 10A
Noise (dB)	≤60dB(A)	≤65dB(A)
Dimensions	310×360×440mm	530×490×540mm
N.W	14kg	50kg

PRODUCT FEATURES

- Combines washing, dehydration, concentration, and filtration functions to achieve solid-liquid separation.
- LED screen displays numerical values directly, making operation simple and convenient.
- Speed and time can be set randomly to meet different stage requirements.
- Brushless motor, maintenance-free, steel body, stainless steel centrifugal chamber, corrosion-resistant, and easy to clean.
- Safe, stable, with special combination shock absorption, automatic balance, and low noise.
- Has continuous separation function, independent and free loading and unloading of filter cylinder, high separation efficiency, and solves the problems of pressure filtration and vacuum filtration efficiency, with a drying degree of over 90%.
- Parameters can be changed freely during operation without stopping the machine.

MULTIFUNCTIONAL BEAUTY PRP FAT EXTRACTION CENTRIFUGE TDL5B

It's suitable for aesthetic plastic surgery burn departments in hospitals , and aesthetic plastic surgery hospitals . It is centrifuged for fat/PRP purification . It is an ideal product for aesthetic plastic surgery hospitals , medical beauty salons , and burn plastic surgery.

TECHNICAL PARAMETER



Maximum speed	5000r/min
Maximum RCF	4390×g
Maximum capacity	4x50ml(for injection only)
Speed accuracy	±10r/min
Timing range	1s-99h59min59s
Power supply	AC 220V 50Hz 10A
Machine noise	≤55dB(A)
Power	750W
Dimensions	415×560×355(mm)
Packing size	510×660×450(mm)
Net weight	44kg

PRODUCT FEATURES

- The machine has undergone clinical research and experiments , and has special requirements for the speed of rise and fall , which can more perfectly complete the extraction of PRP and fat .
- Microcomputer control , frequency conversion motor drive .
- LCD display for easy operation
- Adopt special shock absorption structure , good shock absorption effect , with automatic balance function .
- Equipped with multiple protection functions such as unbalance , overspeed , door cover protection etc .

EXAMPLE OF ROTORS



Max speed: 4000r/min
Max RCF : 2680 ×g
Capacity : 8 × 10/15ml



Max speed : 4000r/min
Max RCF : 2720 ×g
Capacity : 4 × 50ml



Capacity : 10ml



Max speed: 4000r/min
Max RCF : 2680 ×g
Capacity : 12 × 10/15ml



Max speed : 4000r/min
Max RCF : 2680 ×g
Capacity : 4 × 20ml



Capacity : 20ml

PRP BEAUTY CENTRIFUGE TD4A



TECHNICAL PARAMETER

Maximum speed	5000r/min
Maximum RCF	4020×g
Maximum capacity	200ml
Speed accuracy	±10r/min
Timing range	1s-99min59s
Power supply	AC 220V 50Hz 10A
Machine noise	≤60dB(A)
Dimensions	415×590×355(mm)
Packing size	510×660×450(mm)
Net weight	44kg

PRODUCT FEATURES

PRP injection transplant centrifuge for beauty is developed by the company's technicians with rich development experience and with a variety of PRP set test tube experiments.

EXAMPLE OF ROTORS



Max speed: 4000r/min
Max RCF: 2600×g
Capacity: 8×20ml (syringe)



Syringe
Capacity : 10ml/20ml/50ml



Max speed: 4000r/min
Max RCF: 2600 ×g
Capacity : 16 × 10ml syringe/ 5ml vacuum tubes

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	N0.1	12 × 15ml	5000	4020
Swing rotor		16 × 10ml (5ml vacuum tubes)	4000	2600
Swing rotor		4 × 50ml (syringe)	4000	2600
Tube holders	N0.2	8 × 20ml (syringe)	4000	2600
Tube holders		16 × 10ml (syringe)	4000	2600

PRP BEAUTY CENTRIFUGE TD4E

TD4Z-WS Universal low-speed desktop centrifuge , widely used in biochemical laboratories , hospitals Clinical testing , qualitative analysis of serum , plasma and pharmaceutical preparations .



TECHNICAL PARAMETER

Model	TD4E
Maximum speed	4000r/ min
Maximum RCF	2503×g
Maximum capacity	12×10ml(vacuum tubes), 6* 15ml(10ml syringe、 10ml vacuum tubes)
Speed accuracy	±10r/min
Timing range	1 min-99min
Power supply	AC 220V 50Hz 5A
Motor	Brushless DC motor
Machine noise	≤60dB (A)
Dimensions	355×485×285(mm)
Packing size	410×530×350(mm)
Net weight	22kg

PRODUCT FEATURES

- The beauty specific PRP injection transplant centrifuge is a centrifuge developed by the company's technical personnel , who have accumulated years of experience in centrifuge development and conducted various PRP set test tube experiments; The performance parameters of this centrifuge (speed , centrifugal force , centrifugal time , lifting rate) and the specifications of the rotor adapter meet the requirements of PRP injection transplantation .
- 10ml vacuum blood collection and various PRP special kits can be used.

EXAMPLE OF ROTORS



Max speed: 4000r/min

Max RCF: 2503×g

Capacity : 12×15ml



Capacity : 5/10ml



Capacity : 10ml

MINI HIGH SPEED CENTRIFUGE CTH-15



TECHNICAL PARAMETER

Maximum speed	15000r/min
Maximum RCF	21380 × g
Maximum capacity	24x1.5/2.0ml
Speed accuracy	±10r/min
Power supply	AC220V 50Hz 10A
Machine noise	≤55dB(A)
Timing range	1 min-99min
Dimensions	360 × 245 × 230(mm)
Net weight	12kg

PRODUCT FEATURES

- Microcomputer control , AC frequency conversion motor drive , low noise , energy saving and environmental protection , small body size , parameters can be changed at any time during operation , no need to stop .
- Fast rising speed, only 13 seconds to the highest speed. Both instantaneous centrifugation and continuous centrifugation can be selected , Multi program can be saved.
- Large LCD screen , Setting data and the actual data together with the running rotor capacity can be display at the same time , easy operation
- 10 group acceleration and deceleration settings , unique vibration absorptive system to achieve best centrifugal effect
- Low noise - 55dB or lower, good experience effect .
- Equipped with over-speed , door cover self-locking , stainless steel inner sleeve , three-level protective sleeve and other protections to ensure the safety of people and machines .
- The countdown time is less than one minute , displayed in seconds , and supports program-controlled loading to meet the precise separation needs of different industries .

ROTOR

Rotor type	Rotor No.	Capacity	Max speed(r/min)	Max RCF(xg)
Angle rotor	NO.1	24x1.5/2.0ml	15000	21380
Adaptor	NO.2	24x0.2/0.5ml	15000	21380
Angle rotor	NO.3	36x0.2/0.5ml	15000	21380
Angle rotor	NO.4	18x5ml	15000	21380
Angle rotor	NO.5	0.2ml/PCR8x4	15000	21380
Capillary	NO.6	24xcapillary tubes	12000	13800

PORTABLE WATER QUALITY TEST TOTAL PHOSPHORUS ANALYZER LT40

In order to promote the improvement of monitoring technology system and standardize the technical requirements for total phosphorus monitoring of surface water, LT40 water quality centrifuge is developed according to the requirements of China Environmental Monitoring center, and meets the requirements of the "HJ91.2-2022 Surface Water Environmental Quality Testing Technical Specification" Appendix A , Testing of total phosphorus surface for water on site:

1. pre-treatment method (maximum speed≥2000r/ min,
- 2.set centrifugation time≥1min
- 3 .single centrifugal water sample ≥1L)

in which the water turbidity has three Index (Less than 200 , between 200-500 , greater than 500) , of which the tide river NTU>200 , the non-tide river NTU>500 need to be centrifuged on site.

TECHNICAL PARAMETER



Maximum speed	2500r/min
Maximum RCF	1091×g
Maximum capacity	1000ml
Speed accuracy	±20r/min
Timing range	1s-99min59s
Power supply	AC 220V 50Hz 5A
Machine noise	≤60dB(A)
Power	200W
Dimensions	345×345×300mm
Packing size	385×385×340mm
Net weight	14kg



Max speed: 2500r/min

Max RCF : 1091×g

Capacity: 4×250ml

PRODUCT FEATURES

- Portable centrifuge for easy carry
- With lithium battery (100 times based on 2000rpm/ 1min)
- Anti- corrosion Rotor and Cavity in water proof design
- Special shock-absorb with low noise and smooth running
- Max capacity: 1000ml(250ml × 4)
- With or without lithium battery
- centrifuge bottle placed at angle of 25 °which meets the requirements of the centrifuge standard for higher efficiency.
- The rotor adopts 4-point balance technology, non-2-point balance , good balance and high stability.
- 17MM shaft out , smooth motor.

APPLICATION

On-site testing and monitoring of total phosphorus of surface water (rivers , lakes , River bank , etc.)

STANDARDS

- 1.HJ91.2-2022 ;Technical Specification for Monitoring Environmental Quality of Surface Water - Appendix A "On-site Pre-treatment Measures for Monitoring Total Phosphorus of Surface Water"
- 2.GB/T 4774-2004; Terms of separation machinery
- 3 .GB19815-2005; Safety requirements for centrifuges
- 4 .GB 19814-2005; Safety requirements for separators

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