

# High-Speed Benchtop Refrigerated Centrifuge

Make Your Centrifugation Intelligent



RWD High-Speed Benchtop Refrigerated Centrifuge provides intelligent centrifugation, adapting various applications from micro to medium throughput with a speed up to 18,000 rpm(31,152×g). Offer a broad selection of rotors and adaptors(swing-bucket rotors and fixed-angle rotors) to meet different customers' needs.

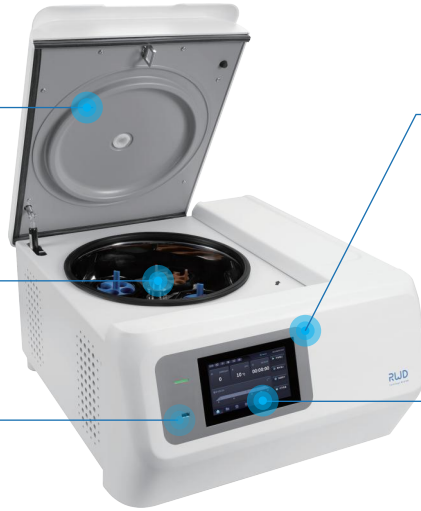
Ergonomic lid operation for easier opening and closing

Self-locking rotors, exchange in 3 seconds

Front USB port for convenient plug-in and data transfer

The graphic operation interface, easy to keep an eye on the status

Equipped with touch screen, provide visual operations



Graphic operation interface



Step Programming



Scheduling Function



Rotor Health



### Abundant accessories

- Multi-purpose device equips with various rotors and adaptors.
- Self-locking rotors enable non-tools required installation and removal and exchange in 3 seconds.
- Fixed-angle rotor equipped with the quick-lock lid, closes with only a 1/6 turn.



### Various guarantees

- Multi-level alarm reminders for fast dealing.
- Static rotor identification function for maximum operational safety.
- Precision assembly motor with special bearings ensures the precision of speed  $\leq \pm 1\text{rpm}$ , amplitude  $\leq 0.01\text{mm}$ .



### Ergonomic operation

- Scheduling reservations provide the pre-cooling function for organized experiments.
- Acceleration and braking ramps setting achieves stable centrifugation.
- Built-in simple introduction for quick operation.



### Multipurpose function

- An intuitive touch screen shows key parameters clearly.
- View the centrifuge health with one click.
- Front USB port for easy and quick data transfer.
- More than 100 pre-program setting storage with customized steps achieves continuous centrifugation.



## Technical Specifications

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Parameters	Description
<b>Swing-out Rotor</b>	
Maximum Capacity	M-S4-400-P, 4*400 mL
Maximum Speed	M-S4-200-P, 5,500 rpm
Maximum RCF	M-S4-200-P, 5,580 x g
<b>Fixed-angle Rotor</b>	
Maximum Capacity	M-F6-100CF, 6*100 mL
Maximum Speed	M-F24-2QG, 18,000 rpm
Maximum RCF	M-F24-2QG, 31,152 x g
<b>Details</b>	
Temperature range	-10°C to +40°C
Noise	56dB(A)
Acceleration/Deceleration ramps	9 /10
Program Storage	100 programs with the ability to do step programming
Dimension (W*H*D)	620*400*670mm
Weight without rotor	96.5kg



## Order Information

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Model	Product Description
M1416R	High-Speed Benchtop Refrigerated Centrifuge (Without Rotor)



## Rotor Information

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Model	Product name (Description)	Maximum Speed (rpm)	Maximum RCF(xg)	Picture
M-S4-400-P	M-S4-400 Rotor-Package (4*400 mL)	5,000	4,696	
M-S4-400-CP	M-S4-400 Rotor-Cell culture Package (4*400 mL, incl. 4*50mL and 4*15mL adaptors)	5,000	4,696	
M-S4-200-P	M-S4-200 Rotor-Package (4*180 mL)	5,500	5,580	
M-S2-400M	M-S2-400M Multi Rotor (16*50 mL)	7,200	4,297	
M-S4-180WS	M-S4-180WS Rotor (4*180 mL)	6,300	7,188	
M-S2-DWP-P	M-S2-DWP Microplate-Package (2*3 standard 96-well plates or 2*1 DWP)	4,000	2,272	
M-F24-2QG	M-F24-2QG Quick-Lock Rotor (24*1.5/2 mL)	18,000	31,152	
M-F30-2QG	M-F30-2QG Quick-Lock Rotor (30*1.5/2 mL)	15,200	25,572	
M-F48-2QG	M-F48-2QG Quick-Lock Rotor (48*1.5/2 mL)	15,200	25,314	
M-F18-5QG	M-F18-5QG Quick-Lock Rotor (18*5 mL)	15,000	24,652	
M-F6-50QG	M-F6-50QG Quick-Lock Rotor (6*50 mL)	12,100	20,133	
M-F6-100QG	M-F6-100QG Quick-Lock Rotor (6*100 mL)	10,350	15,090	
M-F8-50CF	M-F8-50CF CFiber Rotor (8*50 mL)	14,500	24,446	
M-F14-50CF	M-F14-50CF CFiber Rotor (14*50 mL)	10,000	17,105	
M-F6-100CF	M-F6-100CF CFiber Rotor (6*100 mL)	15,000	24,652	
M-F30-15C	M-F30-15 Clinic Rotor (30*15 mL Blood collecting vessel)	5,650	4,997	

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