

# M500S

## Benchtop lower speed centrifuge

### Introduction

Air cooling benchtop lower speed centrifuge which have powerful features, highly degree of versatility , ease of operation, etc., it used innovative control technology, and reliable quality, superior performance, and widely used in clinical biochemistry, hematology, immunology and clinical research and molecular biology research and industrial laboratory routine analysis.It is more significant in the genetic, protein nucleic acid and PCR products and other experimentation research.



High-strength material of chamber, strong structure, suitable to work durable

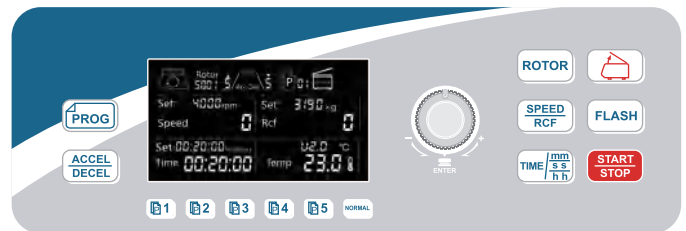
The innovative automatic suction type double lock

5inch large LCD display window clearly



### Features

- Using advanced and reliable Infineon control system, it can be
- control the speed, time and RCF accurately.
- The operational parameters showed and set in 5inch large LCD display window clearly.
- Brushless frequency induction motor with free of maintenance, wider range of speed range 100-6,000rpm, Accuracy  $\pm 15$ rpm.
- The increment of RPM and RCF is 10rpm/10 $\times$ g.
- Time setting range is 1-99mins or 1-59 seconds, Accuracy  $\pm 1$  second/ 3 model selectable.
- “Flash” button to achieve fast and convenient centrifugation. Automatic save the last experimental data.
- The high-strength material of machine and rotor can be resist a variety of chemical corrosion, The rotor with the sealing performance and unlimited high temperature autoclave performance. High-strength material of chamber, strong structure, suitable to work durable.





- The machine include the lid protection、overspeed protection、over-voltage over-current. Protection and imbalance detection system . Can be real-time monitoring of the centrifuga. Process,ensure the safety operation of the instrument, the sound signals when finish the operation and error howing.Also stop running at the same time, LCD display show the error code.
- Forced air cooling technology improve efficiency for the heat exchange, ensure the temperature-sensitive sample safety.
- Automatic open the lid after centrifuging, prevent the sample overheating and pick and place samples easily.
- The isolation layer include the outside of centrifuge chamber, it can be fully absorbed noise, reduce vibration, to provide the staff a quiet experiment.
- New and innovative electronic automatic suction type double lock, easy and fast opening and closing machine cover, opening and closing machine cover is quiet and safe.
- The real-time display for acceleration and deceleration can meet all kinds of centrifugal required.Single-button rotation control, changed the parameters quickly.

## Host Parameters

Model	M500S
Input Voltage	AC220V/50 ~ 60Hz
Input coltage [W]	450W
Max load capacity [ml]	480ml(15ml×32)
Speed range [r/min.]	100~6000/Speed increment 10rpm
Max RCF [×g]	5150/RCF increment 10×g
Drive motor	Brushless frequency induction motor with free of maintenance
Centrifugation Time	1-9hours/1-99minutes /1-59seconds ; 3 mode selectable ; accuracy±1seconds
Drive control system	Infineon vector sinusoidal current
Display show type	5 inches LCD display
Operation mode	Physical buttons
Program stored	10 internal programs /5 of quick program for selecting / with NORAML button
Lid close mode	Automatic suction type with double lock
Maximum acceleration[sec]	15
Maximum deceleration[sec]	18
Temperature rise[°C]	≤12°C
Dimension Length × Width × Height [mm]	418×516×338
Weight ( without rotor) [Kg]	42
The noise of Maximum speed (≈)	≤58dB(A)
Protection grade	IP21
Allow ambient temperature / relative humidity	+5~40°C/80%
Interference suppression standard	EN 61010-1 , EN 61010-2-020 , EN 61326-1 , EN 61010-3-2/A2



### Rotor Parameter Description

Product model	Rotor	Capacity ml × tubes	Max Speed	Max RCF	Tube type dimension
M500S-S-1	Rotor stand	Suitable for #1-#8 Basket	5000	4980	
M500S-S-2	#1 Basket for swing rotor	50×4	5000	4980	PP Round/cone bottom with cap Φ29.5×116mm
M500S-S-3	#2 Basket for swing rotor	100×4	5000	4600	PP Round bottom with cap Φ38×102 Φ38×114
M500S-S-4	#3 Basket for swing rotor	50×8	4000	3040	PP round/cone bottom with cap Φ29.5×116mm
M500S-S-5	#4 Basket for swing rotor	8/10/15×24	4000	3040	Φ16×100mm Blood collection tube Φ16×104mm Urinary sediment tube Φ16×121mm PP round/cone bottom
M500S-S-6	#5 Basket for swing rotor	8/10/15×32			
M500S-S-7	#6 Basket for swing rotor	3/5×48	4000	3040	Φ13×75mm Blood collection tube
M500S-S-8	#7 Basket for swing rotor	3/5×64	4000	3040	Φ13×100mm Blood collection tube
M500S-S-9	#8 Basket for swing rotor	3/5/7×72	4000	3040	Φ12×75mm Φ13×78mm Φ13×100mm
M500S-S-10	#9 Rotor for ELISA Plate	Micro well Plate4 ×2×96 Deep well Plate2 ×2×96	3500	2190	Economic type
M500S-A-11	#10 Angle rotor	15×12	6000	5150	PP round/cone bottom with cap Φ16×121mm

### Ordering information

Code No	Part No	Configuration information
M500S-17030	M500S	Machine
M500S-17031	M500S-S-1	Rotor stand/Suitable for M500S-S-2~M500S-S-9 Basket
M500S-17032	M500S-S-2	Basket /50ml×4 holes <span style="float: right;">Optional</span>
M500S-17033	M500S-S-3	Basket /100ml×4 holes <span style="float: right;">Optional</span>
M500S-17034	M500S-S-4	Basket/50ml×8 holes <span style="float: right;">Optional</span>
M500S-17035	M500S-S-5	Basket8/10/15ml×24 holes <span style="float: right;">Optional</span>
M500S-17036	M500S-S-6	Basket8/10/15ml×32 holes <span style="float: right;">Optional</span>
M500S-17037	M500S-S-7	Basket 3/5ml×48 holes <span style="float: right;">Optional</span>
M500S-17038	M500S-S-8	Basket 3/5ml×64 holes <span style="float: right;">Optional</span>
M500S-17039	M500S-S-9	Basket 3/5/7ml×72 holes <span style="float: right;">Optional</span>
M500S-170310	M500S-AP-8	Adapter 3ml×48pcs/standard M500S-S-7
M500S-170311	M500S-AP-8	Adapter 3ml×64pcs/standard M500S-S-8
M500S-170312	M500S-S-10	Micro well Plate4 ×2×96 Deep well Plate2 ×2×96 <span style="float: right;">Optional</span>
M500S-170313	M500S-A-11	Angle rotor /15ml×12 holes <span style="float: right;">Optional</span>