



SPIN YOUR EXPERIMENTS  
TO PERFECTION

**iFuge L400 NXT**  
(Versatile Lab Centrifuge)

# iFuge L400 NXT

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Technology is meant to make our lives easier, but if it is not up to the mark, it can actually make our lives more difficult. This is especially true when it comes to centrifuges. Manufacturers often advertise a long list of features and specifications, but the use of low-quality components and materials can lead to glaring issues with performance and durability. The motor, being the most important component, is often weak and unable to deliver the expected output. This leads to more time and effort being spent on maintenance, as well as a negative impact on the user's work. Additionally, the ill-thought design of the device can make it unusually bulky and big, taking up valuable bench space compared to its performance. Thus, it is important to ensure that technology is of good quality in order to make our lives easier.

We put in a lot of effort to understand customer feedback and expectations in order to create advice that meets the customer needs. The iFuge L400 NXT is the result of this research-intensive effort and offers powerful and efficient performance with years of durability. It is also very versatile due to its wide range of rotors, making it suitable for a variety of requirements. Additionally, the user-friendly interface allows the user to program the device to suit their unique needs. Furthermore, the brushless DC motor present in the device ensures efficient performance without the need for constant maintenance.



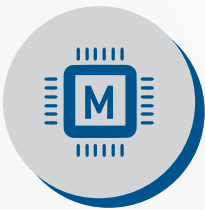
## Product Features



A Single Universal Rotor option (Swing & Fixed Type) with variety of buckets for different work protocols.



High-performance brushless DC motor for a maintenance-free long life



Microprocessor control enables quick & easy programming as well as enhanced performance and efficiency



Adjustable speed range of upto 4500 RPM

Adjustable timer setting allows the user to set timer from 1 to 99 minutes with Infinite Mode



Lid lock safety feature ensures that the lid of the device will not open while the rotor is still running



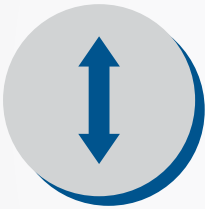
Electronic imbalance detection feature for maximum safety



## Product Features



Intelligently designed airflow system ensures that the temperatures of samples do not rise significantly



Easy loading and unloading of samples because of its low height design

Emergency lid release feature ensures that no matter what happens, your safety is not compromised



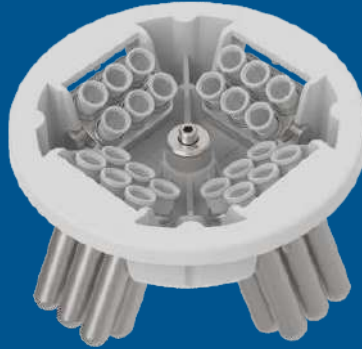
# Specifications

Specifications	iFuge L400 NXT
Rotor Type	Fixed and Swing
Bucket Types	4×50ml, 24×15ml, 32×7ml, 16×15ml for both rotors
Maximum Speed RPM/RCF	4500 RPM / RCF (g) varies as per rotor
Maximum Volume	360 ml (24×15ml)
Motor Type	Brushless DC Motor (BLDC)
Display	Large Display
Speed Setting	500 to 4500 RPM
Speed Accuracy	±100 RPM
Timer Setting	1 to 99 mins, Infinite mode
Acceleration Time	35 ± 5 seconds
Deceleration Time	35 ± 5 seconds
Imbalance detection	Automatic
Noise Level	<70 dB
Dimensions (W×D×H) in mm	553 x 427 x 247 mm.
Weight	16.2 kg
Input Power	230 VAC ± 10 VAC

# Ordering Information

Product Cat #	Product Description
L400- NXT EU/AUS/IND	Multipurpose combi backbone Benchtop centrifuge (220V)
L400-NXT-31	32X 6 ML Tube Swing out Rotor
L400-NXT-33	16X15 ML Tube Swing out Rotor
L400-NXT-32	24X15 ML Glass Tube Swing out Rotor
L400-NXT-34	4X50 ML Tube Swing out Rotor
L400-NXT-51	32X 6 ML Tube Fix angle Rotor
L400-NXT-53	16X15 ML Tube Fix angle Rotor
L400-NXT-52	24X15 ML Glass Tube Fix angle Rotor
L400-NXT-54	04X50ML Tube Fix angle Rotor
L400-NXT-Fix-BB	L400 NXT Fixed Angle rotor Backbone
L400-NXT-Swing-BB	L400 NXT Swing out rotor Backbone
Bucket-31-Swing	32X 6 ML Tube Swing out Bucket
Bucket-33-Swing	16X15 ML Tube Swing out Bucket
Bucket-32-Swing	24X15 ML Glass Tube Swing out Bucket
Bucket-34-Swing	4X50 ML Tube Swing out Bucket
Bucket-51-Fixed	32X 6 ML Tube Fix angle Bucket
Bucket-53-Fixed	16X15 ML Tube Fix angle Bucket
Bucket-52-Fixed	24X15 ML Glass Fix angle out Bucket
Bucket-54-Fixed	4X50 ML Tube Fix angle Bucket

### Swing Out Rotor



Cat.# L400-NXT-Swing-BB  
Max. RCF: 3334g

Buckets:



Cat. Code: L400-NXT-32  
RCF: 3220 g  
RPM: 4500 g



Cat. Code: L400-NXT-34  
RCF: 3315 g  
RPM: 4500 g



Cat. Code: L400-NXT-33  
RCF: 3334 g  
RPM: 4500 g



Cat. Code: L400-NXT-31  
RCF: 3152 g  
RPM: 4500 g

### Fixed Angle Rotor



Cat.# L400-NXT-Fix-BB  
Max. RCF: 2766g

Buckets:



Cat. Code: L400-NXT-54  
RCF: 2562 g  
RPM: 4500 g



Cat. Code: L400-NXT-52  
RCF: 2744 g  
RPM: 4500 g



Cat. Code: L400-NXT-53  
RCF: 2744 g  
RPM: 4500 g



Cat. Code: L400-NXT-51  
RCF: 2766 g  
RPM: 4500 g

