



# NEUATION TECHNOLOGY iSWIX JR. NXT Mini Vortex Mixer User Manual

[Home](#) » [NEUATION TECHNOLOGY](#) » NEUATION TECHNOLOGY iSWIX JR. NXT Mini Vortex Mixer User Manual 

## Contents

- [1 NEUATION TECHNOLOGY iSWIX JR. NXT Mini Vortex Mixer](#)
- [2 INTRODUCTION](#)
- [3 INTENDED USE](#)
- [4 FEATURES](#)
- [5 TECHNICAL SPECIFICATIONS](#)
- [6 SAFETY PRECAUTIONS](#)
- [7 STANDARD PART LISTING](#)
- [8 OPERATION](#)
- [9 MAINTENANCE & CLEANING](#)
- [10 TROUBLESHOOTING](#)
- [11 WARRANTY STATEMENT](#)
- [12 PRODUCT DISPOSAL](#)
- [13 Documents / Resources](#)
- [14 Related Posts](#)

# NEUATION

NEUATION TECHNOLOGY iSWIX JR. NXT Mini Vortex Mixer



## INTRODUCTION

This Mini Vortex Mixer is available in two variants: Fixed Speed and Variable speed. It comes with a powerful DC motor with an orbital motion of 4.5 mm it provides thorough mixing and it can accommodate plastic tubes & vials up to a 30 mm diameter.

## INTENDED USE

It is used in laboratories for the general mixing of applications in individual test tubes, up to a 30 mm diameter.

## FEATURES

- Touch Operation – can handle plastic tubes of up to 30 mm in diameter
- Extremely small footprint
- 4.5mm orbital motion
- Suction cups for proper grip
- Low voltage power supply
- Suspension design for longer switch life
- Variable speed for gentle to vigorous mixing (Variable model)

## TECHNICAL SPECIFICATIONS

Specifications	Fixed	Variable
Motor type	DC	
Type of movement	Orbital	
Maximum Speed	4200RPM	2000-4200RPM
Shaker diameter	4.5 mm	
Tube diameter	Up to 30 mm	
Speed Accuracy	± 250 RPM	
Operation Type	Touch	
Protection class	IP 43	
Permissible ambient temperature	4°C to 45 °C	
Weight	0.75 Kg	
Permissible relative moisture	<80%	
Noise Level	<50 dB	
Dimensions (L x W x H)	120 x 120 x 103 mm	
Input Voltage	100-240VAC 50/60Hz	
Power Consumption	52W	

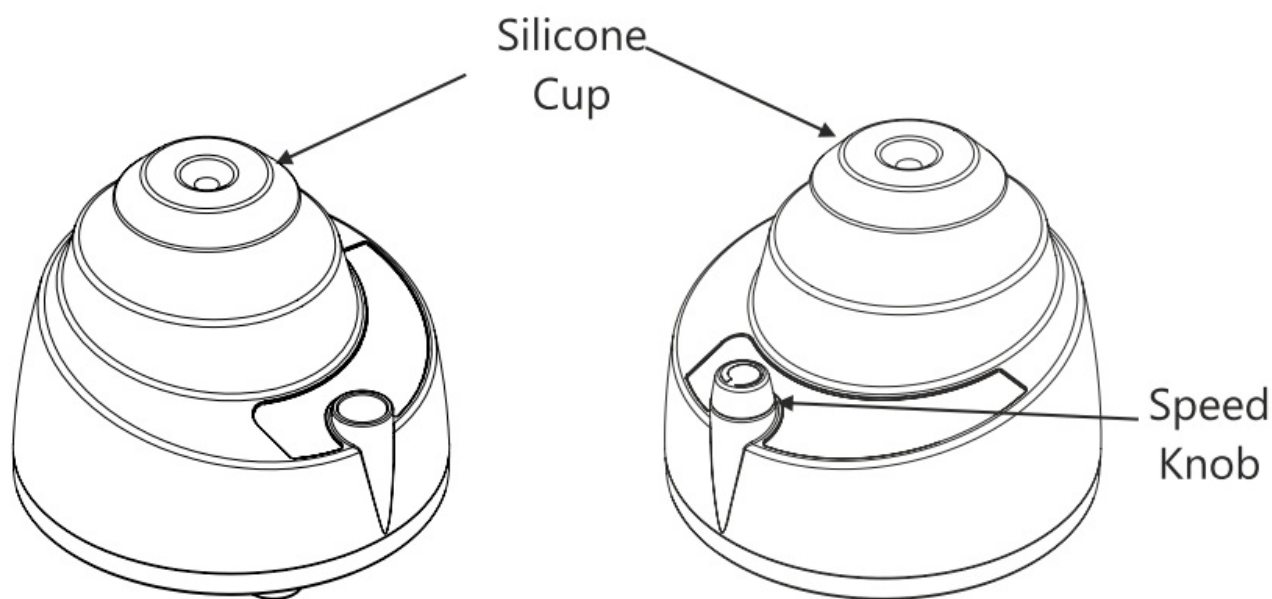
## SAFETY PRECAUTIONS

Read the following safety instructions before using the II.I mini vortex mixer for your safety & the safety of the equipment.

1. Gently take the mini vortex mixer out of the packaging box and place it on a flat, stable, clean, non – slippery surface.

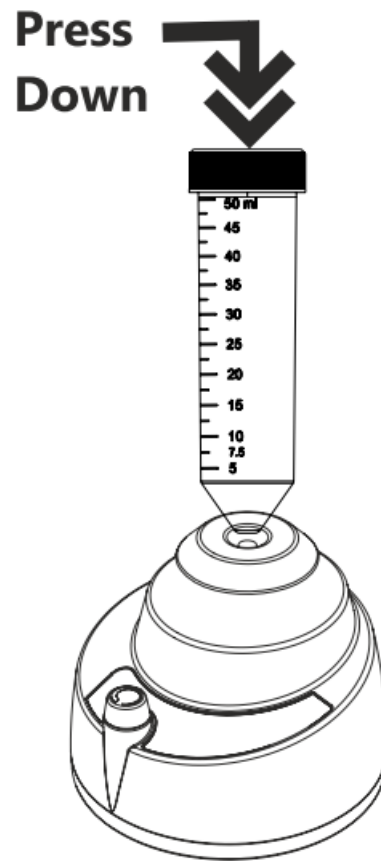
2. Do not lift or hold the device from the power cable.
3. This mini vortex mixer is to be used to mix material that the user knows will not react dangerously to any extra energy produced from mixing.
4. The mini vortex mixer should be used for the specified application only. It must not be operated in a hazardous or flammable environment and must not be used to mix explosive or highly reactive material.
5. Users should always use covered test tubes. Overfilling of liquid may cause the medium to splash out.
6. Caution: The equipment will restart, both in case of power interruption and in case of any fault or mechanical interruption. Care should be taken based on the sample used for mixing.
7. Always use tubes up to 30 mm in diameter for best result and product safety.

## STANDARD PART LISTING



## OPERATION

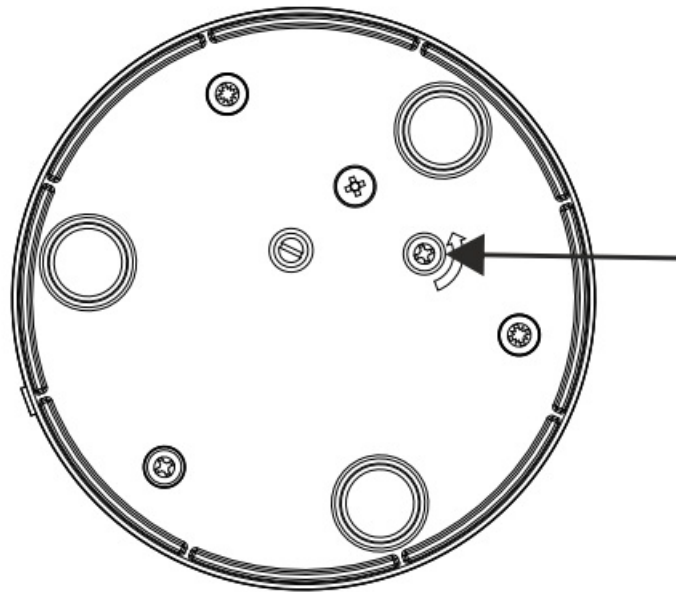
Operation starts automatically when the soft rubber cup is pressed down using the test tube (as shown in the image) and stops once the test tube is removed. In the variable speed mini vortex mixer, rotate the speed knob to increase or decrease the speed between 2000 to 4200 RPM. In the fixed speed mini vortex mixer it will provide a fixed 4200 RPM.



## **MAINTENANCE & CLEANING**

1. While cleaning, the product must not be plugged in to the power supply.
2. The entire unit should be wiped down periodically with a soft cloth. An excessive amount of liquid should be avoided. The liquid should not come in contact with the motor.
3. After cleaning, ensure that all parts are dried before re-use.
4. Do not use the unit if it shows signs of mechanical or electrical damage. Do not use the equipment if the rubber cup or suction cup is damaged. In such case, see warranty & contact manufacturing if applicable
5. The motor in the mini vortex mixer doesn't require routine maintenance. Any required service should be performed by authorized, qualified personnel only.

## **TROUBLESHOOTING**



The small bottom screw at the base of the device is pointed by an arrow.

<b>Vortex Action</b>	<b>Problem</b>	<b>Solution</b>
Partially Working (stops in between)	Small bottom screw might have loosened. Need to adjust	Tighten the small bottom screw (1/2 or 1 turns max)
Not working at all. (completely stopped)	Small bottom screw might have loosened. Need to tighten	Tighten the small bottom screw (1 or 2 turns max)
Continuously working (run without press)	Small bottom screw might have tightened. Need to loosen.	Loosen the small bottom screw (1 or 2 turns max)

**Note:** If after implementation of the required solution does not produce normal vortex action, contact a service representative.

## WARRANTY STATEMENT

This product is warranted to be free from defects in material and workmanship for a period of two (2) years from date of purchase. Your product will be duly repaired upon prompt notification in compliance with the following conditions :

This warranty is valid only if the product is used for its intended purpose and within the guidelines specified in this instruction manual. This warranty does not cover damage caused by accident, neglect, misuse, improper service, natural forces or other causes not arising from defects in original material or workmanship. This warranty does not cover any incidental or consequential damages, commercial loss or any other damages from the use of this product.

The warranty is invalidated by any non-factory modification, which will immediately terminate all liabilities on us for the products or damages caused by its use. The customer shall be responsible for the product or use of products as well as any supervision required for safety. If requested the products must be returned to the distributor in well packed and insured manner and all shipping charges must be paid.

Note: Some states do not allow limitation on the length of implied warranties or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights. This warranty is given expressly in lieu of all other warranties, expressed or implied.

The purchaser agrees that there is no warranty of merchantability or of fitness for any intended purpose and that

Products received without proper authorization will not be processed for warranty or service. All items returned for service should be sent with postage prepaid in the original packaging or another suitable packaging, padded to avoid damage. We will not be responsible for damage incurred by improper packaging.

## PRODUCT DISPOSAL

The disposal of electrical devices is regulated within the European Community by national regulations based on EU Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). According to these regulations, any devices supplied after 13.06.05 in the business-to-business sphere, to which this product is assigned, may no longer be disposed of in municipal or domestic waste. They are marked with the following symbol to indicate this.



## Documents / Resources

<div data-bbox="145 1254 268 1285"><b>NEUATION</b> TECHNOLOGIES</div> <div data-bbox="140 1305 221 1395"></div> <div data-bbox="140 1400 215 1411"><p>iSWIX JR. NXT</p></div> <div data-bbox="193 1420 268 1500"></div> <div data-bbox="183 1505 276 1516"><p>iSWIX JR. VT NXT</p></div> <div data-bbox="148 1538 268 1550"><p>PRODUCT USER MANUAL</p></div>	<div data-bbox="317 1527 1313 1588"><p><b>NEUATION TECHNOLOGY</b> <a href="#">iSWIX JR. NXT Mini Vortex Mixer</a> [pdf] User Manual</p><p>iSWIX JR. NXT, Mini Vortex Mixer, Vortex Mixer, Mini Mixer, iSWIX JR. NXT, Mixer</p></div>
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