

# Mini BlotBoy™ and BlotBoy™

Benchmark 3-Dimensional Rockers



**BlotBoy™**  
12 x 12 in. platform



**Mini BlotBoy™**  
10.5 x 7.5 in. platform



B3D1008  
shown with stacking platform

Modeled after our popular BioMixer series of “nutating” shakers, these platform rockers provide the perfect 3-dimensional motion for all blot related applications. Their tilt angle and speed have been optimally set for gentle, but thorough mixing in gel trays, boxes and other flat vessels.

**Mini BlotBoy** and **BlotBoy** come standard with autoclavable flat mats and are ideal for blot washes and gel staining/destaining. Both models have been designed to conserve bench space. The **Mini BlotBoy** is supplied with a 10.5 x 7.5 inch platform while the larger **BlotBoy**'s 12 x 12 inch platform expands the useable work surface by 80%.

The **Mini BlotBoy** and **BlotBoy** can accept stackable platforms and handle loads up to 2kg. Both have maintenance free brushless motors and are safe for use in cold rooms and incubators.

- Optimized speed & tilt for gel blotting, washing & staining
- Tri-directional motion for thorough, gentle mixing
- Stacking platforms available
- Incubator & cold room safe

## Technical Data

Speed:	12 rpm*
Tilt Angle:	+/- 8 degrees
Platform Size:	
Mini BlotBoy:	10.5x7.5 in. / 27x19 cm
BlotBoy:	12x12 in. / 30x30 cm
Load Capacity:	1.6 kg / 3.5 lbs.
Operating Temp. Range:	+4°C to +65°C
Dimensions (WxDxH):	
Mini BlotBoy:	10.5 x 7.5 x 8 in.
BlotBoy:	12 x 12 x 8.3 in.
Weight:	2.0 kg / 4.4 lb
Warranty:	2 Years
Electrical:	115V AC, 60 Hz, 0.4A 230V AC, 50 Hz, 0.2A

\*Speed of 230V model is 10 rpm

## Ordering Information

<b>B3D1008*</b>	<b>Mini BlotBoy, 10.5 x 7.5 in. platform with flat mat</b>
B3D-STACK	Stacking Platform, flat mat, 10.5 x 7.5 in.
B3D-FLAT	Flat Mat, 10.5 x 7.5 in.
B3D-DIMPLED	Dimpled Mat, 10.5 x 7.5 in.
<b>B3D1308*</b>	<b>BlotBoy, 12 x 12 in. platform with flat mat</b>
BR1000-STACK	Stacking Platform, flat mat, 12 x 12 in.
BR1000-FLAT	Flat Mat, 12 x 12 in.
BR1000-DIMPLED	Dimpled Mat, 12 x 12 in.

\* To order a product in 230V, please add -230 to item number.

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# BioMixer™ and MiniMixer™ Benchmark 3-Dimensional Shakers



**BioMixer™**  
12 x 12 in. platform

**MiniMixer™**  
10.5 x 7.5 in. platform



B3D1320  
shown with stacking platform

- + Nutating motion for thorough, uniform mixing
- + Dimpled mat, perfect for blood and centrifuge tubes
- + Stacking platforms and flat mats available
- + Incubator & cold room safe

## Technical Data

Speed:	24 rpm*
Tilt Angle:	+/- 20 degrees
Platform Size:	
MiniMixer:	10.5x7.5 in. / 27x19 cm
BioMixer:	12x12 in. / 30x30 cm
Load Capacity:	1.6 kg / 3.5 lbs.
Operating Temp. Range:	+4°C to +65°C
Dimensions (WxDxH):	
MiniMixer:	10.5 x 7.5 x 8 in.
BioMixer:	12 x 12 x 8.3 in.
Weight:	2.0 kg / 4.4 lb
Warranty:	2 Years
Electrical:	115V AC, 60 Hz, 0.4A 230V AC, 50 Hz, 0.2A

\*Speed of 230V model is 20 rpm

These platform shakers provide a 3-dimensional “nutating” motion for moderately aggressive mixing. Two platform sizes and two rubber mat configurations allow for thorough, foam-free mixing in blood tubes and centrifuge tubes, as well as in a variety of flat vessels.

Both models come standard with autoclavable dimpled mats for tubes. Optional flat mats are available for mixing other vessel types. Stacking platforms are also available, effectively doubling the usable surface area of each model. Even the smallest single platform configuration has 24% more platform work surface than traditional nutating mixers.

The **MiniMixer™** and **BioMixer™** can handle loads up to 2kg. Both have maintenance free brushless motors and are safe for use in cold rooms and incubators.

## Ordering Information

<b>B3D1020*</b>	<b>MiniMixer, 10.5 x 7.5 in. platform with dimpled mat</b>
B3D-STACK-D	Stacking Platform, dimpled mat, 10.5 x 7.5 in.
B3D-FLAT	Flat Mat, 10.5 x 7.5 in.
B3D-DIMPLED	Dimpled Mat, 10.5 x 7.5 in.
<b>B3D1320*</b>	<b>BioMixer, 12 x 12 in. platform with dimpled mat</b>
BR1000-STACK-D	Stacking Platform, dimpled mat, 12 x 12 in.
BR1000-FLAT	Flat Mat, 12 x 12 in.
BR1000-DIMPLED	Dimpled Mat, 12 x 12 in.

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# BENCHWAVER™



- Undulating, 3-dimensional motion
- Adjustable speed and tilt angle
- Large, 13 inch platform
- Ideal for staining, washing & general mixing



B3D5000 with B3D5000-ST



B3D5000 with B3D5000-DIMP

The BenchWaver™ combines the basic rocking motion of traditional platform rockers with the circular motion of an orbital shaker. This combination is ideal for generating the optimum 3-dimensional “undulating” motion commonly preferred for molecular biology applications.

The tilt angle is instantly adjustable (no tools or disassembly required) from 0 to 10° and the mixing speed can be adjusted from 5 to 105 rpm, using the large, user-friendly LCD control panel. Combined control of both parameters (tilt and speed) makes the BenchWaver a versatile workhorse that can provide anything from gentle, slow moving waves to a rapid, more vigorous motion. Additionally, time of operation can be selected from 1 minute up to 99 hours or for continuous operation.

The large 13.5 x 13 inch platform is supplied complete with a non-slip, rubber mat. An optional stacking platform is available for users requiring additional mixing capacity. BenchWaver is a reliable and versatile instrument and can be used in refrigerated or incubated environments from 2° to 60°C.

## Technical Data:

Speed:	<b>5 to 105 rpm</b>
Tilt Angle:	<b>Adjustable, 0° to 10°</b>
Platform Dimension:	<b>13.5 x 13 in.</b> <b>(34 x 33cm)</b>
Dimensions:	<b>13 x 13.5 x 9.75 in.</b> <b>33 x 34.3 x 24.75 cm</b>
Operating Temp. Range:	<b>+2°C to +60°C</b>
Load Capacity:	<b>Up to 20lbs (9kg)</b>
Weight:	<b>5.5 kg / 12 lb</b>
Electrical:	<b>100-240V,</b> <b>50-60 Hz, 50W</b>
Warranty:	<b>2 years</b>

## Ordering Information:

B3D5000*	BenchWaver™ 3-D Rocker with flat mat platform, US plug
B3D5000-ST	Optional stacking platform (4.5" clearance) with stacking hardware
B3D5000-DIMP	Optional dimpled mat, for use with a variety of tubes

\* Includes US Plug. For EU plug, please add (-E)

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# BenchRocker™ 2D and BenchRocker™ 3D

## Benchmark Variable Speed Rockers



BR2000

BR2000-STACK with B0718

B3D2300

- ✦ Multi-purpose - many applications
- ✦ Two or three dimensional motion
- ✦ Adjustable speed and tilt angle
- ✦ Dual platform option expands workspace
- ✦ Safe for incubator/cold room use

### Technical Data

Speed:	Variable, 2 to 30 rpm
Tilt Angle:	Variable, 0 to 30°
Platform Size (2D):	35x30 cm / 14x12 in.
Platform Size (3D):	30x30 cm / 12x12 in.
Load Capacity:	2.0 kg / 4.4 lbs.
Operating Temp. Range:	+4° C to +65° C
Dimensions (WxDxH):	35 x 30 x 20 cm 14 x 12 x 8 in.
Weight:	3.4 kg / 7.5 lb
Warranty:	2 Years
Electrical:	115V AC, 60 Hz, 0.3A 230V AC, 50 Hz, 0.15A

These rockers are designed to provide the precise speeds and tilt angles required for a broad range of molecular and biological mixing applications. The user can adjust both parameters to match the vessel size and the volume of liquid being mixed, yielding optimum results.

The rocking speed and tilt angle are both easily adjustable in seconds. At low speeds and minimal tilt angles, both models (2D for "see-saw" motion or 3D for "gyratory" motion) provide a gentle wave effect for non-foaming mixing, as is required for most blot washing and gel work. When set to higher speeds and more extreme tilt angles, they produce aggressive agitation for vigorous sample mixing.

The BenchRocker 2D and 3D can accept stackable platforms (clearance = 2.75 in.). All platform mats are autoclavable. Both models have maintenance free brushless motors and are safe for use in cold rooms and incubators.

### Ordering Information

<b>BR2000*</b>	<b>BenchRocker 2D variable speed rocker with flat mat platform</b>
BR2000-STACK	Optional stacking platform (14x12 in.) with flat mat
<b>B3D2300*</b>	<b>BenchRocker 3D variable speed rocker with dimpled and flat mats</b>
BR1000-STACK	Optional stacking platform (12x12 in.) with flat mat
BR1000-STACK-D	Optional stacking platform (12x12 in.) with dimpled mat
B0718	<b>LaBungee™ elastic tie downs with hooks, pk.4</b>

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