



Operations Manual Catalog Number: 2527-2000

2D Rocker Rotator See-Saw Motion



Introduction:

USA Scientific, Inc. 2D Rocker is a quiet, high capacity, rocker has adjustable speed and tilt angle. The 2D Rocker is a multi-purpose rocker serving most "see-saw" type applications. It is ideal for blot washing, gel staining and de-staining. The 2D Rocker has a 2.0 kg (8.0 lb) load capacity, comes with a flat, non-skid rubber mat. An optional stacking platform and dimpled mat are available accessories.

I. Specifications:

Speed: User adjustable from 2 rpm to 30 rpm (4 to 60 tilts per minute)

Tilt angle: User adjustable from 0° to +/-30°

Motor: Electronically controlled brushless gear motor (no carbon brushes to replace)

Platform: 35.6 x 30.0 cm (14 x 12 in)

Load Capacity: 3.6 kg (8.0 lb) Centered and balanced

Dimensions: 35.6 W x 30.0 D x 16.5 H cm (14.0 x 12.0 x 6.5 in)

Max tilt height: 24.1 cm (9.5 in)

Weight: 3.4 kg (7.5 lb)

Mat: Flat, non-skid, black, autoclavable

Electrical: 115VAC, 60Hz, 0.24 amps

Operating environment: 4°C (cold room) to +45°C

Warranty: 2 years

II. Product Set-Up:

Place the rocker on a clean, flat, stable surface. Make sure that the power switch is in the OFF (not illuminated) position. Set the unit to the desired tilt angle (see below). Plug the rocker into a properly grounded outlet. Check that nothing blocks the up and down rocking action of the platform. **Set the Speed Control knob to the lowest speed setting (full counter clock wise).**

III. Product Operation:

Load the platform from the center out, making sure the items placed on the platform create a balanced load around the center line of the platform. This is important as large, overhung platform loads may cause the rocker to tip over. Turn the unit on by activating the ON/OFF switch so that it is illuminated. Rotate the Speed Control knob clockwise to set the desired rocking speed.

IV. Tilt Angle Adjustment

The tilt angle is adjusted at the back of the unit. First loosen the Safety Shield knob and move the Safety Shield aside to gain access to the tilt

adjustment screw. Loosen the tilt adjustment screw with the 2.5 mm hex Allen wrench provided with the unit. Sliding the black adjustment bar will increase or decrease the platform tilt angle. Once the platform angle is selected, re-tighten the tilt angle adjustment screw with the Allen wrench. **VERY IMPORTANT!** Position the safety shield so that it is centered over the black oval adjustment bar, then hand tighten the Safety Shield knob. The safety shield is used to keep fingers out of the rotating mechanism.

V. Accessories, stacking platforms and mats:

Additional stacking platforms are available that allow doubling of the work area. There is a 7.5 cm (3.0 in) separation between the two platforms, allowing access to the content of both trays. The stacking platforms are available with a flat mat (cat.no. 2527-2007). Additional mats are also available.

VI. Care and Maintenance:

No routine maintenance is required other than to keep the unit clean. Cleaning can be done with a damp cloth. Avoid the use of solvents as they may damage the product housing.

Service and Contact:

In the event that service or technical support is required, please contact **USA Scientific, Inc.** by phone at **1-800-872-3847** or by email at techsupport@usascientific.com.

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