

PELCO® R2 Rotary Mixer

Product No. 1050

The PELCO® R2 Rotary Mixer is a low-speed mixer for electron microscopy specimen infiltration preparation. The slow rotational speed of the R2 Mixer will result in improved infiltration without forming air bubbles, giving better results for tissue preparations.

The PELCO® R2 Rotary Mixer consists of the cabinet containing the power supply and the Mixer Head which holds the specimen containers. (See illustration on page 2.)

The PELCO® R2 Rotary Mixer is shipped with the Collet Assembly already in position. You need only to attach the mixer head to the collet with the black finger screw and locking washer supplied.

If the Collet Assembly comes loose or is removed: The collet should be reattached to the motor shaft using the set screw supplied and a 1/16" hex (Allen) wrench. It is important that the collet be positioned approximately 0.8mm (1/32") from the shaft bushing so that the collet will not rub on the bushing during rotation of the mixer head. In addition, it is important that the setscrew strike the flat portion of the motor shaft during the tightening procedure. Slip the mixer head over the collet. Put the locking washer over the collet and tighten the finger screw.

PELCO® Glass Snap-Cap Vials **Product Nos. 12701 - 12708** are designed to be used in the mixer head of the mixers **1050**. The "Snap-Cap" feature effectively seals the vial contents for the protection of both the sample and the operator. There is an optional rotator head available for this unit with a 31-hole capacity, **Prod. No. 1054**. Sample vials **Product No. 410 and 411** fit in this optional rotator head.

Rotation speeds of approximately 1.5 - 7.5 rpm are obtained by adjustment of the control knob mounted on the right side of the cabinet. Note that the numerical markings are relative and approximately represent a percentage of full rpm. A high-torque motor maintains instrument speed at full load.

The unit allows for either a 55° or a 35° tilt, depending on which feet the unit is resting on (see next page).

A standard grounded electrical cord and plug is used for connection to an electrical source of 110-240VAC, 50/60Hz. The power supply circuit is protected by 2 each, 5 x 20mm GDC 250V (2.0 A) fuse.

In case of failure of the head to rotate, check:

1. The connection of the electrical cord.
2. The fuse at the rear of the cabinet.
3. The tightness of the collet screw.

Product No. Description

1050	PELCO® R2 Rotator with 1051 Head	110-240V, 50/60Hz
1051	R2 Rotator Head with 18 holes,	(32mm OD)
1054	R2 Rotator Head with 32 holes,	(16.3mm OD)
12701	Glass Snap-Cap vials, 4ml,	23mm D x 27mm H, cs/144
12702	Glass Snap-Cap vials, 8ml,	22mm D x 39mm H, cs/144
12703	Glass Snap-Cap vials, 12ml,	22mm D x 51mm H, cs/144
12704	Glass Snap-Cap vials, 16ml,	30mm D x 40mm H, cs/144

1050 TN V3 07302012

Page 1 of 2

- 12706 Glass Snap-Cap vials, 24ml, 30mm D x 52mm H, cs/144
- 12708 Glass Snap-Cap vials, 32ml, 30mm D x 63mm H, cs/144
- 410 Sample Vials, 2ml, 12mm D x 38mm, cs/288
- 411 Sample Vials, 4ml, 15mm D x 48mm, cs/144

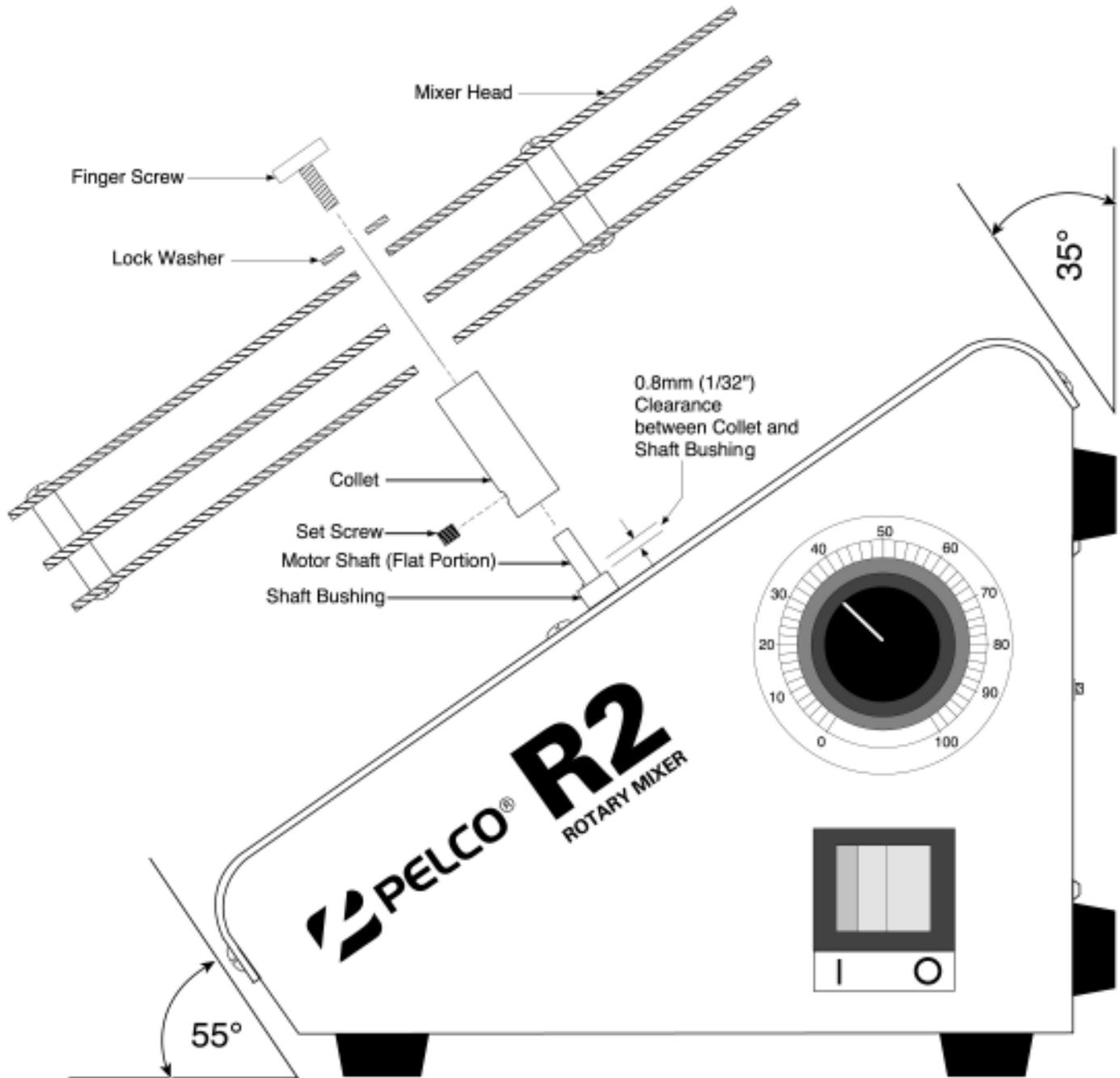


Figure 1