Thinky ARE-310 Mixer

Thinky Mixer

Tool Type: PDMS
Location: Elings 3430
Description: PDMS mixing tool
Manufacturer: Thinky

Last updated 9/13/22 Haley

About

The Thinky Mixer is one of the PDMS tools in the Microfluidics Station in 3430. This machine is used for mixing and de-aerating the elastomers that are used in fabrication of microfluidic devices. The mixing time and revolution speed of the device can be programmed using the machine’s controller interface.

Safety Concerns

Goggles, gloves, a lab coat, long pants, and close-toed shoes should be worn while operating this machine. Long hair should be tied back. Review Sylgard 184 resin SOP before handling.

Training Documentation

thinky_are-310_mixer_programming_handout.pdf

Detailed Specifications

- 310g capacity

- Centrifugal force of over 400G
- Cold-insulated, heat-resistant adapter enables support of various material characteristics
- Memory and step-operation functions for controlling and executing operating condition
- 2 modes of mixing and deaeration achieve dispersion and deaeration of high-viscosity materials in a small amount of time

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Reference Documentation

thinky_are-310_mixer_manual.pdf

Using the Thinky Mixer (video)

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