


Thinky ARE-310 Mixer

Last updated: Haley Holcomb 9/13/22

Thinky ARE-310 Mixer	
	
Tool Type: PDMS	
Location: mFL 3430	
Supervisor	Tool Lead
David Bothman	Brian Dincau
(805) 893-4125	(661) 917-7355
bothman@cnsi.ucsb.edu	bdincau@ucsb.edu
Description: PDMS tool	
Manufacturer: Thinky	

About

The Thinky Mixer is one of the PDMS tools in the Microfluidics lab. 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.

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

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.

Reference Documentation

[thinky_are-310_mixer_manual.pdf](#)

[Using the Thinky Mixer \(video\)](#)

Training Documentation

[thinky_are-310_mixer_programming_handout.pdf](#)

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