

UV Tape Curing System Model 365 General Process and Operation Specification

GENERAL PROCESS AND OPERATION SPECIFICATION

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- I. SCOPE
 - a. The purpose of this document is to describe requirements and basic operating instructions for the UV Exposure System. This tool is intended to cure UV tapes quickly and uniformly. Use of this tool is limited to only approved UV tape.
- II. SAFETY
 - a. Be sure that you are trained and signed off to use this equipment.
 - b. Be sure to keep all doors and protective shields in place before operating this equipment.
 - c. If you are unsure about any procedures or indication while operating this equipment, be sure to contact a staff member or trainer for assistance.
- III. APPLICABLE DOCUMENTS, MATERIALS AND REQUIREMENTS
 - a. For more information about the detailed operation of this tool and its processing, AggieFab staff can provide an equipment manual upon request.
 - b. This tool is configured to run with Nitrogen.
- IV. OPERATION
 - a. Turn on the power switch located in the front right.
 - b. Press “Setup” to go into the setup menu.
 - c. Change the purge time, cure time and power level. Choose the parameter to be changed, clear the parameter, and type in a new value.
 - i. Purge: N2 purge time before curing.
 1. Note: N2 will continue to flow during the curing cycle.
 - ii. Cure: UV curing time.
 1. Note: LEDs will remain on until the cycle completes, the abort button is pressed, or the lid is opened.
 - iii. Power: UV intensity during curing. Four levels are available: 50%, 66%, 75% and 100%. 100% is ~110 mW/cm² (11/14/2022).
 - d. To save a new recipe, press “save” and give it a name.
 - e. To load a recipe, press load and select it from the list.
 - f. Open the lid and place the sample in the center with the tape side down, as shown in Figure 3.
 - g. Close the lid and hit “run” on the touch screen.
 - i. If the Auto button is set to ON, the recipe will start automatically when the lid is closed.
 - h. Wait until the curing is completed.
 - i. Open the lid to remove the sample.
 - j. Close the lid.
 - k. Turn off the power.

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V. SIGNATURES AND REVISION HISTORY

Revision	Author	Date	Change
Original Issue	Ruben Carreon	November 21, 2022	

Approvals:

Technical Manager Signature: ____*Sandra G Malhotra*____

Date: ____12/6/2022____

Figures



Figure 1: Front Panel



Figure 2: Main Interface

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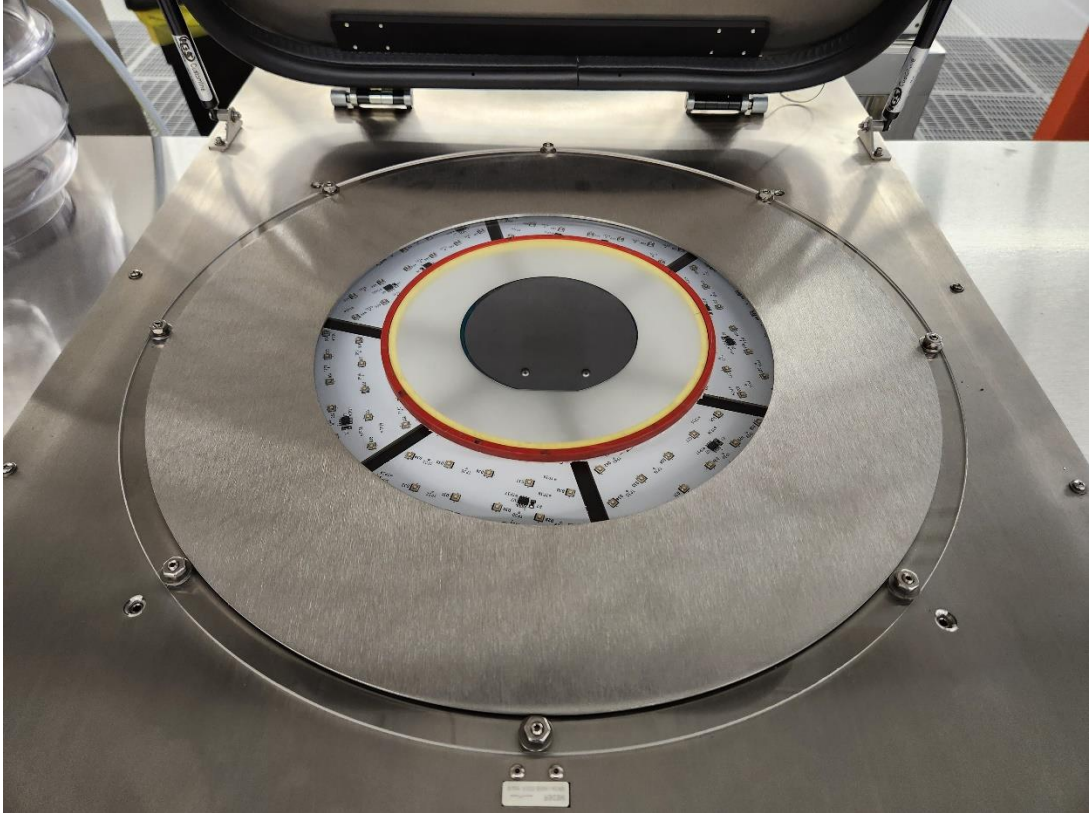


Figure 3: Sample Placement