Cure Diagram

Updated Wed February 22
Design-Approved Build-Candidate

Blank Screen
Machine is off

Plug In

Logo Animation
Pulse screen brightness as Z rises

formlabs

Time

Screen Saver
Display times out to this screen when unused

CURE

Time

Click, Left, Right

Click

Main Menu
Load onto "Start" when awoken from Screen Saver
*Scrolling menu with options: **Start**, **Time Edit**, and **Temperature Edit***

In editing mode, the icons dissappear, the edited item is centered, and left right arrows appear

| Start ▸ |
| 120 min |
| 45°C |

Left ← → Right

| Start ▸ |
| 120 min |
| 45°C |

Left ← → Right

| Start ▸ |
| 120 min |
| 45°C |

The numbers on these screens retain time and temp settings from last use

Click   Click

| 119 |
| 120 min |
| 121 |

Right / Left

Time can be set to a minimum of 5 minutes and a max of 480 minutes and edited in 5 minute increments for the first 100 minutes and in increments of 10 minutes there after

Click   Click

| 44 |
| 45°C |
| 46 |

Right / Left

Temperature can be set to a minimum of 20C and a maximum of 80C and edited in 1 degree increments.

Below 20C, the temp will be replaced with "Heat off"

Cycle Not Running
Opening the lid has no effect on the screen or LEDs

Cycle Running
If the device is opened at any time during the cycle, the display shows the Paused — Lid Open screen which says "Close to Resume". Opening the lid also has an affect on the LEDs.

Once the lid is closed, the cycle resumes and the display returns the Timer.

Paused — Lid Open
Prompts to close lid

Left, Right

Heater Off

| Close to Resume |

Close Lid

Lift Lid

Lift Lid

Preheating
Dynamic screen showing target temp and current temp

| Preheating 35C ▸ 45C |

Heater On

This screen needs to be updated

Click, Left, Right

Time

Heater On

| 45°C   120 min |
| 119:59 |

Timer
The timer is left aligned showing a maximum of 5 digits and a minimum of 3 digits

ex: 119:59, 0:01

Time

| 45°C   120 min |
| 89:32 |

Time

| 45°C   120 min |
| 3:01 |

Click,Left,Right

Click, During Cure

Click, During Preheat

Timer Menu
*Any input from user during Cure cycle brings up this menu with options: **Back to Timer**, **Edit Time & Temp**, **Pause Cure**, and **End Cure**.*

If no input is given the menu will time out and return to the timer.

The Cure cycle continues to run while this menu is on screen.

| Back |
| Edit |
| Pause |
| End Cure |

Right / Left

(instead of "Pause" say "Resume")

Heater On

| Back |
| Edit |
| Pause |
| End Cure |

Right / Left

| Back |
| Edit |
| Pause |
| End Cure |

Right / Left

| Back |
| Edit |
| Pause |
| End Cure |

Click

Edit Time
Take Timer time and round down to nearest minute. Time can be added or reduced down to end wash.

Click

| 88 |
| 89 min |
| 90 |

Right / Left

Heater On

Click

Left, Right

| Press to Resume |

Heater On

Click

Cure Done
After timer reaches 00:00 an animation begins and LEDs animate

This can occur even when the Timer Menu is open

Time

| Done |

Heater Off

Time

Click

| Ending... |

This screen needs to be updated

Time