Quickstick 135

Sample fixing with QS135

If the display show :

Recipe :  
SEMI n.19 = 95°C  
SEMI n.20 = 135°C

1. Press D  
   (display should show : Initialization → T 0000/ STEP LOC)
2. Place your wafer on the pins
3. Press Start (green button)

   When the pin are down → press Stop (red button)  
   (it pauses the process for you to have more time)

4. Wait a few seconds and apply the quickstick chip on wafer wafer on wafer

5. Place your sample

6. Press Start

   When the pin are up → Get back your wafer

7. Press C
Sample release and QS135 cleaning

1. Reheat the wafer with the same procedure you used to stick your sample to it

2. When the QS135 is liquid again, take back your sample

3. Use acetone to remove the QS135 leftovers

4. Rinse with IPA

If you have some photoresist coated for protection: Use a Q-tips dipped into acetone to carefully remove the QS135 without affecting the coated side
Main menu:
- **Esec. XXX n.##**
  Start recipe n.## in XXX mode
- **Recall memory**
  select recipe
- **System** (mode selection)
  SEMI-AUTOMATIC
  AUTO
  MANUAL
- **Programming** (edit recipe)
  Do not change
- **Speed calculate.**
  Calibration → do not use

---

**Hot plate is off**
Press on the On button on the right to activate the device for 2 hours

**Change the recipe (19 ↔ 20)**
1) Make sure you are in the main menu
2) Navigate with A and B to reach **Recall memory**
3) Select with D
4) Navigate with A and B to find the desired recipe
5) Select with D
6) Wait for the hotplate to have adjusted the temperature

**Hot plate is not in SEMI (automatic) mode**
1) Make sure you are in the main menu
2) Navigate with A and B to reach **System**
3) Select with D
4) Navigate with A and B to find Semi-automatic
   (→ Automatic → Manual → Semi-Automatic →)
5) Select with D
Programming for Quickstick 135

**pos3**: height liftpins as % of travel [0-100], not used, set anything.

**pos2**: height liftpins as % of travel [0-100], set to 0, i.e. same as pos1

**dtpos1**: wait time pos1 [in 0.1s], set 600=60s

**dtpos2**: wait time pos2 [in 0.1s], set 0=0s

**dt vacuum on**, t before arriving pos1 [in 0.1s], set 5=0.5s

**dt vacuum off**, t before end at pos1 [in 0.1s], set 5=0.5s

**speed**: % max speed, 30,60,100, set 60%

**temp**: temperature of hotplate in °C. set 135.

---

Initialization

T 0000

STEP LOC

Search position

......

T 038

STEP LOC

pos3 065

pos2 000

dtpos1 0600

dtpos2 0000

dt vacuum on 005

dt vacuum off 005

speed 60%

temp 135

memorization ?

yes = D no = C

D/C

SEMI-AUTOMATIC

AUTOMATIC

MANUAL

---

Stock n.1-20 019

065

Stock n.1-20 020

---

Search position

......

Pins down ➔ Pause ➔ Pins up

---

pos3 (green)/start

pos2 (% height)

dtpos2
dtpos1
dt vacuum on
dt vacuum off

dt vacuum on, t before arriving pos1 [in 0.1s]
dt vacuum off, t before end at pos1 [in 0.1s]