

EPFL - CMi**EVA 760****WARNING**

Only the **CMi Staff** is qualified to do a **service** or to do **maintenance**

If the source configuration doesn't fit with the one given on the user interface, please contact the staff.

1. Login

1.1. Logon on the ACCESS CONTROL SYSTEM on the zone computer to unlock the touch screen of the EVA 760

1.2. **Icon "Users"**  : Logon on the EVA 760

- Click on "Login" and then enter your login and password
- The login is valid for 20 minutes, but stays valid during a run

2. Loading



2.1. **Icon "Production"** 

2.2. <Venting> (~8 mn)

2.3. Correction mask: Attention you have to install the **right one** (250mm / 350mm / 450mm), at the **right position!**

2.4. Dome (substrate holder): Attention you have to install the **right one** (250mm / 350mm / 450mm)!

2.5. Lift-off resist: 450mm + copper disk to place on the back side of the wafer (thermal inertia to limit temperature rise of the substrate, prevent burning lift-off resist)

2.6. Check the cleanness of the door O-ring. Clean the O-ring with your glove. Never use a solvent (isopropanol, acetone ...). **Make sure that the door is properly closed: Align the 2 arrows**  

3. Run a recipe

3.1. <Start production>

3.2. <Select Process>

3.3. Open the folder "*process*" and select a **subfolder** (250mm, 350mm, 450mm, etc...) Select your *recipe* + <OK>
Enter the **thickness** for each film



3.4. <Start> ... Wait till the pressure is below 7.10^{-2} mbar (Cryogenic pumping)

3.5. **Error during evaporation?** Try "**Resume**" once or twice. If problem remains, please contact a responsible of the machine.

4. Unloading

4.1. <Venting> (~8 mn)

4.2. Get back your substrate – Replace the dome and the correction mask in the cupboard

4.3. Check the cleanness of the door O-ring. Clean the O-ring with your glove. Never use a solvent (isopropanol, acetone, ...). **Make sure that the door is properly closed: Align the 2 arrows**  

4.4. <Pumping> ... **Wait till the pressure is below 7.10^{-2} mbar (Cryogenic pumping)**

5. Logout

5.1. Logout from the EVA 760

5.2. Logout from the ACCESS CONTROL SYSTEM.

FAQ : <Start Production> **button is hidden** or <Venting / Pumping> **button is dimmed!**

→ You've been automatically logged out after 20 min. → **Log in again**

