

Production Recipe: “STD LS-Si₃N₄ v4”

The STD LS-Si₃N₄ v4 recipe is our **Standard Low-Stress Nitride** process designated as a **Production Category** recipe, indicated by a yellow star. In production recipes, users are only permitted to modify the **deposition time**.

Modifying the Deposition Time in a Production Recipe:

1. Click on the **"Recipe"** (located at the lower-left side of the screen, next to the **"Process"**). The **"Process"** will be highlighted in blue.
2. Click on the **"Load"** (upper-left side of the screen).
3. A list of production recipes will appear on the right side.
4. Locate and select the production recipe labeled **"STD LS-Si₃N₄ v4"**.
5. The recipe consists of the following processing steps:
 - **Initial**
 - **Pressure Stab**
 - **HF Process Step**
 - **LF Process Step**
 - **Loop for [time]**
 - **End**
6. Ensure that Step #5, **"Loop for [time]"**, is highlighted.
7. In the middle of the screen, locate the **"Loop to Step"** window. Ensure that only **"HF Process"** is selected/highlighted. This ensures the loop includes both the **HF Process Step** and **LF Process Step**, which is the correct configuration.
 - **Note:** Selecting only **LF Process Step** will loop exclusively with the LF Process Step. Selecting **"Pressure Stab"** will cause the loop to include **Pressure Stab** → **HF Process Step** → **LF Process Step**, which is incorrect.
8. On the right side of the screen, locate the **"Loop Termination"** window. Two options are available:
 - **Iterations**
 - **Time**
9. Ensure **"Time"** is selected and enter the desired **deposition time**

