

Standard Operating Procedures

URE2000-35 Mask Aligner

V1.0 (2014.03.05)

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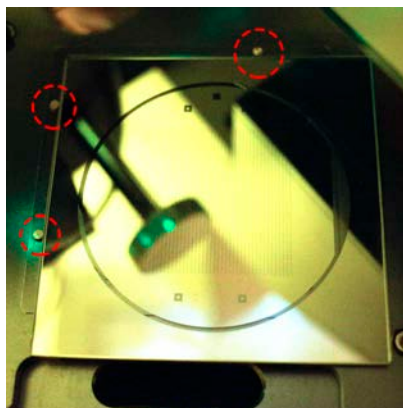
1. System Preparation

- 1.1 Turn on lamp power (①);
- 1.2 Wait for 5 min;
- 1.3 Turn on control power (②);
- 1.4 Turn on microscope (③);



2. Exposure

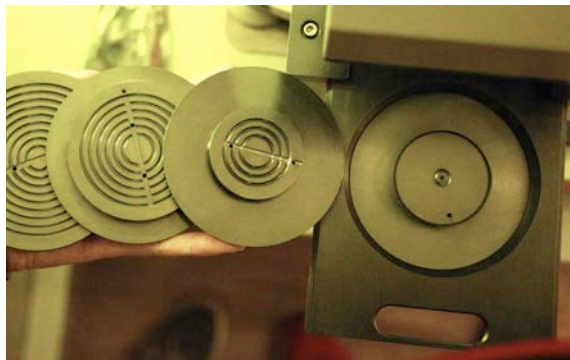
- 2.1 Mount photomask. Photomask needs to be aligned to the left two and top one pillar with patterns facing down.



2.2 Turn on “MASK” button (④)



2.3 Put sample on a proper holder



2.4 Turn on “STAGE” button to fix stage to appropriate position (⑤).



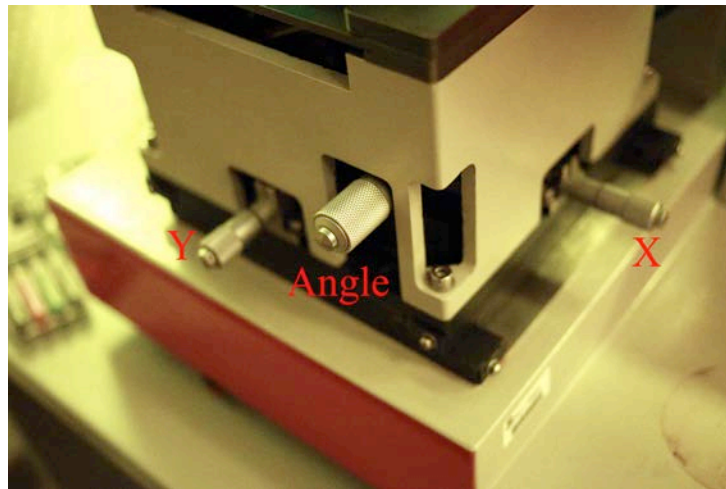
2.5 Press “上升” (⑥)



2.6 Press “下调” 5 times (⑦)



2.7 Rotate X, Y and angle knob to align sample to mask. (If it is hard to rotate, repeat 2.6.)



2.8 Press “上调” 5 times (⑧).



2.9 Set exposure time



2.10 Press “曝光“ (⑨) (Remember rotate lamp above mask and sample).



2.11 Unload the sample.

2.12 Repeat 2.1 to 2.11 to expose another sample.

3. Turning off the system

3.1 Unload the sample.

3.2 Turn off “MASK” button (④) and remove mask.

3.3 Turn off microscope (③).

3.4 Turn off control power (②) and lamp power (①).