

Suss MA6/BA6 Mask Aligner - Standard Operating Procedure

Overview:

UV broadband 350nm. Exposure methods are flood, proximity, soft contact, hard contact, Low vacuum, and vacuum. Top side alignment and bottom side alignment. Mask size 4"x4" up to 7"x7". Sample size 10mmx10mm up to 6" wafer. Maximum wafer thickness: 3mm

Safety Precautions:

Watch out for the microscope movement at all times.

There is a RED EMERGENCY Off button (located on the left of the front panel next to the main power switch). If it is pressed the machine gets isolated from the power supply. Press only in an event of danger.

In case of lamp explosion immediately leave the area and call the staff.

Turn System On:

The system is usually left in the ON and in CHANGE MASK mode. There should be an operating program on the monitor and the light source power supply (located beneath the floating table) should have a value in the right window.

If the system is down turn the MAIN POWER switch (located on the left side of the alignment stage) to the ON position.



Turn light power supply on: If the light power supply is off or says STAND-BY it will need to be restarted. First press the ON button (on the left side of the power supply) wait until READY appears on the display next press the CP button (located to the right of the power ON button). The system will say START so you can press the START button (located on the right side of the power supply). The light should turn on and the LED's on the power should say LIGHT COLD. It takes about 5 min. For the light to warm up. The chassis has to be turned off in order to start the light power supply.