

	SAFE WORK PROCEDURE:	Doc No		SWP-COE-02		
		Last Rev/Date		00	12 Apr 2010	
	Mask Aligner	Current Rev/Date		00	12 Apr 2010	
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1. Application to:

All personnel working on the Mask Aligner System.

2. Pre-requisite for Operation of the Mask Aligner System:

- 2.1. Must have attended the operation and safety training.
- 2.2. Must be fully understand the system risk assessment
- 2.3. Must be fully qualified to operate the system by him/her self.

3. Hazards that may be present:

- 3.1. UV radiation
- 3.2. UV lamp explosion

4. Personal Protection Required:

- 4.1. Gloves
- 4.2. Cleanroom apparel (garment and shoes)

5. Procedures:

5.1. Operating the Mask Aligner

5.1.1. Before turn ON the system

- 5.1.1a Turn On the N2 gas (N2 is used to cool the UV lamp)
- 5.1.1b Turn On the compressor and vacuum pump

5.1.2. Turn On mask aligner

- 5.1.2a On UV light (Do not turn On UV lamp if no N2 gas)
- 5.1.2b Do not look directly at the UV light

5.1.3. Loading mask

5.1.4. Loading sample

5.1.5. Alignment

5.1.6. Exposure

5.1.7. Unload sample

5.2 Maintenance of the Mask Aligner system

- 5.2.1 Once a year preventive maintenance of the mask aligner
- 5.2.2 Compressor maintenance every 2 years.

5.3 Specific Processes

- 5.3.1 To expose photoresist using UV light to form a pattern on the samples

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6. Communication Frequency:

The Lab Supervisor shall arrange for this Safe Work Procedure to be communicated every once a year and as & when required.

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