







<p>Datum: 26.02.2021 Bearbeiter: R. Weingarten Arbeitsbereich: Preparation zone Arbeitsplatz: Raum 00.15</p>	<h1>Safety Instruction</h1> <h2>SÜSS MA 55 Mask Aligner</h2>	<p>WWU Münster Nanofabrication Facility (MNF) Center for Nanotechnology (CeNTech) Heisenbergstraße 11 48149 Münster</p>
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Range of Application		
	Working with UV-Lithography, operating under high voltage	
Hazard for People and the environment		
	<ul style="list-style-type: none"> Overheating of the instrument Risk of burn by hot surfaces and UV-radiation Risk of eye damage by infrared or ultraviolet light radiation Risk of shock due to high voltage electrical discharge Danger from mercury emission (in the UV-Lamp) Choking hazard from Nitrogen gas Risk of explosion of the UV-Lamp due to mechanical impact or temperature shock to the hot lamp Risk of injury by moving components 	
Safety Measures and Rules of Behavior		
	<ul style="list-style-type: none"> The instrument is to be used only by designated Persons No improper handling of switches, buttons etc. Running of the instrument only under supervision Constantly observe vacuum, nitrogen and pressured air pressure indicators Do not damage service connections Whilst working in the interior of the machine or change components use clean and dust free gloves Use emergency stop at the machine in an emergency In extreme cases, trigger emergency stop at the entrance door: Attention, the system is thereby put into an uncontrolled state with very high damage potential Follow the instruction manual of the manufacturer Instruct people within the laboratory about potential hazards 	
Action in Failure		
	<ul style="list-style-type: none"> Press key (5); switch off the upper control unit at the black main switch; switch off the UV lamp at the lower unit (toggle switch), then switch off the lower control unit at the main switch; switch off the toggle switch at the main socket and close the gases; do not switch on the unit again under any circumstances Contact supervisor 	
Action in Accident, First Aid		
	<ul style="list-style-type: none"> Protect yourself and remove injured people out of the danger area, react quickly, involve primary responsible person, Call emergency services (112) If important, switch off the instrument by the emergency stop button at the machine Firefighting only with CO₂ fire extinguisher Report accident 	
Maintenance and Disposal		
	<p>Maintenance only with original spare parts Instrument must be repaired only by authorized persons</p>	
Consequences in Nonobservance		
	Damage to the instrument, malfunction, costly damage	