





<p>Date: 02.03.2021 Authorized user: Helge Gehrig, Work area: Cleanroom, Preparation room Workplace: CeNTech I, 00.15</p>	<h1>Safety Instruction</h1> <h2>Nanoscribe Photonic Professional GT</h2>	<p>WWU Münster Nanofabrication Facility (MNF) Center for Nanotechnology (CeNTech) Heisenbergstraße 11 48149 Münster</p>
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Range of Application	
Operation Nanoscribe Photonic Professional GT	
Hazard for People and the environment	
	<ul style="list-style-type: none"> Invisible class 3B laser radiation Procedures deviating from the intended use of the Photonic Professional GT or procedures deviating from those specified in this documentation or Nanoscribe's online Photonic Professional GT documentation may result in laser class 3B radiation exposure, hazardous for eyes and skin. Never remove any parts of the protective enclosure of the Photonic Professional GT! In case of damages or doubts about integrity of the protective enclosure and/or your specific printing processes, please switch off the system and consult Nanoscribe at support@nanoscribe.com. Do not stare directly into the LED illumination Staring into the LED illumination for longer time periods (>10s) may lead to irreversible eye damage. Bruise hazards - motorized stage The movements of the motorized stage is in most cases automated and may only be stopped by the emergency stop. Never get close to the motorized stage while it is moving. Make sure to avoid obstacles in the movement range. Never put your arm, your hand or any other part of your body in between the motorized stage and the printing cabinet. Bruise hazards - objective revolver and microscope z-drive Please note that the z-drive as well as the objective revolver are motorized components. Never handle in proximity to those components when the system is operating. Bruise hazards - optical table base and breadboard The breadboard is pneumatically leveled and lifted by about 1 cm. Never get any part of your body in between the breadboard and the optical table base.
Safety Measures and Rules of Behavior	
	<ul style="list-style-type: none"> Operating the machine is only allowed after previous instructions and knowledge of the manual of the Nanoscribe Photonic Professional GT system as well as the safety data sheets. The Photonic Professional GT may only be operated with materials according to the intended use of the system. The Photonic Professional GT is intended to be used with the dedicated glass substrates or with silicon wafers. Please make sure to clean the sample holder thoroughly in case the substrate breaks inside the Photonic Professional GT. Please take care not to cut yourself on the glass or silicon pieces. We recommend to use plastic tipped tweezers to remove all glass or silicon pieces from the substrate holder and the printing cabinet. <p>In case of any unclear issues contact the responsible person Prof. Pernice.</p>
Action in Failure	
<ul style="list-style-type: none"> In case of any malfunction or abnormality turn off the machine and secure against starting up and inform your direct supervisor. 	

Action in Accident, First Aid		
	<ul style="list-style-type: none"> • After contact with clothes: immediately disrobe and wash out with water. After contact with the skin: wash out with much water, in case of skin reaction consult a doctor. After contact with the eye: wash out for 10 minutes with floating water and open lid slit, immediately consult an eye doctor. After inhalation: get fresh air, immediately consult a doctor. • Inform appointed first aider. • Immediately treat small injuries. • Enter data in the accident book. • In case of severe injuries call an emergency doctor (phone 112). • Inform your superior. 	
Maintenance and Disposal		
	<ul style="list-style-type: none"> • Maintenance work may only be carried out by qualified and instructed staff. 	