







<p>Date: 22.02.2021 Authorized user: Wladick Hartmann Work area: CenTech-I cleanroom Workplace: Room I 00.21</p>	<h1>Safety Instruction</h1> <h2>Scanning Electron Microscope</h2> <h3>JEOL JSM-IT100</h3>	<p>WWU Münster Nanofabrication Facility (MNF) Center for Soft Nanoscience (CeNTech) Heisenbergstr. 11 48149 Münster</p>
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Range of Application		
Imaging		
Hazard for People and the environment		
	<ul style="list-style-type: none"> • Risk of injury from electric shock: Never remove or open the housing or protective parts, never remove the grounding cable. • Never open the EOS (Electron Optical System) cover while a high voltage is applied (HT on). • Burn hazard: Do not touch the Wehnelt cylinder, it can be very hot (e.g. after burning through the filament). • Be careful not to get your fingers caught between the specimen holder and the specimen holder receptacle or in the specimen chamber door. • There are possible sources of danger with regard to the high voltage and the magnetic field, which can occur while a service technician is dismantling or replacing the device for maintenance. Keep your distance from the device when doing so. 	
Safety Measures and Rules of Behavior		
	<ul style="list-style-type: none"> • Work only after prior instruction and knowledge of the JEOL JSM-IT100 Operating Instructions. • Suitable personal protective equipment must be worn. • A person wearing a medical device such as a pacemaker may be affected by magnetic fields and must therefore keep his distance from the device. • Use occupational health precautions. • When installing the specimen holder on the specimen stage, make sure to select the correct specimen holder and correctly enter the specimen height that protrudes above the specimen holder. • Do not connect the PC directly to the intranet. • Never drive the specimen holder against the gun. • In case of unclarified questions, consult the person in charge, Dr. Abasahl. 	
Action in Failure		
<ul style="list-style-type: none"> • In case of malfunctions and abnormalities, stop work on the device immediately, switch off the device - if possible - and secure it against start-up. Notify the nearest 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. 		