







<p>Date: 24.02.2021 Authorized user: Niklas Vollmar Work area: Deposition Workplace: CeNTech I cleanroom, deposition zone 00.19</p>	<h1>Safety Instruction</h1> <h2>Sputtering system</h2> <h3>Von Ardenne LS 730S</h3>	<p>WWU Münster Nanofabrication Facility (MNF) Center for NanoTechnology (CeNTech) Heisenbergstr. 11 48149 Münster</p>
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Range of Application		
Operation sputtering system		
Hazard for People and the environment		
	<ul style="list-style-type: none"> • Vacuum chambers can present an implosion hazard. • Radio frequency: Possible risk of RF burns. • Heavy and hydraulic components: danger of bruise and bone fractures or fatal injury. • Hot components: danger by burn (pre-pump). • Reaction products: danger by contact with and inhalation of metal dusts. • High voltage. 	
Safety Measures and Rules of Behavior		
	<ul style="list-style-type: none"> • Installation, start-up, operation and maintenance only by authorized staff. • Respect the information on safety, operation and control of the sputtering system, the DC generator and the RF generator in the corresponding manuals. • Persons wearing a cardiac pacemaker or metallic implants must not approach the tool at any time. • Metal dusts occurring upon opening of the chamber can be harmful. Adhere to the information on the safety data sheets of the material suppliers. Wear protective gloves and a dust mask. • Safety equipment is not required when using the load door. • Target change may only be performed by instructed staff. Adhere to the information given in the manual of the sputtering system. • Wear suitable protective equipment. <p>In case of any unclear issues please 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"> • Switch off the system via the emergency stop (front of the electronic rack). • 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. 		

Deutsche Version auf der Rückseite!