






<p>Date: 25.02.2021 Authorized user: A. Ovvyan, F. Brückerhoff- Plückelmann Work area: CeNTech I- Clean Room Workplace: Preparation zone</p>	<h1>Safety Instruction</h1> <h2>WetBench</h2>	<p>Company: WWU Münster Nanofabrication Facility (MNF) Center for Nanotechnology (CeNTech) Heisenbergstraße 11 48149 Münster</p>
Range of Application		
Working with high chemicals, spincoater, hot plates, operating with N ₂ gas		
Hazard for People and the environment		
	<ul style="list-style-type: none"> • Danger due to electric current. • Danger of injury due to moving parts of the device (lid, turntable). • Danger of injury due to broken substrate. • Burning due to hot surfaces of the vacuum pump (T > 60 °C).AA <p>DANGER! Hot plat surfaces! CAUTION! The system contains equipment (generators) that are under high voltage! DANGER! Danger caused by incorrectly entered cut-off temperature at the over-temperature limiter!</p>	
Safety Measures and Rules of Behavior		
	<ul style="list-style-type: none"> • The instrument on the wet-bench to be used only by instructed Persons • Wear personal protective equipment while working: safety goggles, protective clothing, and gloves. • The operator must ensure a clean and unobstructed production environment so that a safe and functional operation is possible. • Before commissioning, a check of the proper condition of the device is necessary! • Do not operate the device if it is damaged or does not function properly. • Do not attempt to maintain or repair the device yourself. • Open and close the lid of the device carefully: risk of finger injury! • Do not touch hot parts of the vacuum pump of spincoater. Risk of burns! • When carrying out any work, follow the manufacturer's operating instructions. • Do not damage service connections • Operate Manipulators gently and don't tilt <p>WARNING! Keep beakers with chemicals far away from hot plates, especially Acetone! WARNING! Operating only solvents and basis chemicals, acids are forbidden to use on the wet bench! WARNING! Use only ceramic tweezers while placing chip on/out of the hot plates! WARNING! Forbidden to put any flammable and explosive materials, chemicals (as Acetone) on the hot plate! WARNING! Turn off pump of Spincoater after usage! WARNING! Turn off N₂ gun after usage!</p>	
Action in Failure		
<ul style="list-style-type: none"> • Switch of the device and the vacuum pump. • Clean the device and put materials / trash to a save place. • Put the machine out of operation. • Inform your superior. <p>Repair only by qualified persons.</p>		

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) • Report accident • Inform the device manager immediately 	
Maintenance and Disposal		
	<ul style="list-style-type: none"> • Cleaning, lubrication, and maintenance tasks may only be performed by authorized experts following the maintenance instructions and accident protection guidelines. 	
Consequences in Nonobservance		
	<ul style="list-style-type: none"> • Damage to the instrument, malfunction, costly damage 	