











Date: 12.02.2019
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 Work area: Plasma room
 Workplace: 100.030b

Safety Instruction

PlasmaPro 100 Cobra

WWU
 Münster Nanofabrication
 Facility (MNF)
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| Range of Application | | |
|--|--|--|
| | Plasma etching system in clean room environment | |
| Hazard for People and the environment | | |
|  | <ul style="list-style-type: none"> Electrical risk by shock Electromagnetic radiation Flammable/toxic/corrosive gases and chemicals Mechanic risk by moving parts Risk by UV radiation (may occur in plasma) Hot/cold surfaces Work under vacuum |   |
| Safety Measures and Rules of Behavior | | |
|     | <ul style="list-style-type: none"> The instrument is to be used only by instructed persons Maintenance only by qualified personnel Manual has to be read and understood Safety equipment has to be hold in proper conditions Before starting any operation, an optical check has to be done The device has to be used only in the range of its specification Work with gases and chemicals is subject to special regulations; pay attention to operation instructions and material safety datasheets Gas detection and alert system has to be installed When working with gases and chemicals personal protective equipment has to be used Filters and protection against bursting has to be fit properly Samples has to be tempered to room temperature before any handle The chamber has to be purged with inert gas two times before open it Personnel who wear a cardiac pacemaker must not approach the device at any time, even when it is powered off Pointing out people of risks Make use of the occupational health care. |  |
| Action in Failure | | |
| | <ul style="list-style-type: none"> If possible shut down the device under controlled conditions Inform the device manager immediately | |
| Action in Accident, First Aid | | |
|  | <ul style="list-style-type: none"> Remove injured people out of the danger zone Inform first aider Emergency call 112 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, cost-intensive damage | |

Deutsche Version auf Rückseite!