|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MKS will issue:** | | | **Return Material Authorization (RMA) Number\* :** | | | | | |
| **Trade-In** | | | | | |
| **Section 1: Equipment Identification** (one instrument per form) | | | | | | | | |
| MKS Part Number: | | | | | MKS Serial Number: | | | Date Code: |
| Detailed description of reason for failure/return: | | | | | | | | |
| **Copper (Cu) Process:** Check box if equipment is from Copper (Cu) process tool (Regardless if process residue exists.) | | | | | | | | |
| This equipment used on a tool running a Copper Process or has been exposed to Copper (Cu) process material.  The parts must be double bagged with label on the outside bag and note on packing documents indicating “Copper Part”.  Label final shipping container “Copper Part” and place a strip of orange tape on the container. | | | | | | | | |
| **Section 2: Requirements** | | | | | | | | |
| **The purpose of this document is to reduce the risk of injury to personnel who handle, disassemble, clean and repair returned equipment. Please provide complete information and adhere to all requirements.**  **(*If all of these steps are not completed, it could delay your service.)***   * **Submit this completed form to an MKS Customer Service Representative to obtain an RMA#.** * **For Non-warranty returns, provide a copy of a PO or credit card information (credit card accepted for MKS US only.)** * **For Non-warranty repairs, if applicable remove all process wetted materials (sensors, gauges, bellows, etc.) from electronic modules, and send only the electronics.** * **Prepare the equipment for safe handling at MKS**   + **Purge process gases from all sections of the equipment.**   + **Flush and drain all fluids. Remove all residue from the equipment.**   + **Open and equilibrate the equipment with ambient air (open all valves, etc.) for a minimum of 15 minutes.** * **ALL PRODUCTS MUST BE RETURNED IN SEALED BAGS.** * **Label any equipment that has been exposed to a Copper (Cu) process, as “Copper Part”.** * **Pack and ship according to all local, state, and Federal regulations. (i.e. DOT, IATA)** * **Attach a copy of this completed Health and Safety and RMA form (if required) to the OUTSIDE of the shipment.** | | | | | | | | |
| **Section 3:Contact Information** | | | | | | | | |
| Technical Contact information for person completing this document:  Name: Phone: Email: | | | | | | | | |
| **Section 4: Declaration** | | | | | | | | |
| I hereby declare that the information supplied on this form is complete and accurate and I am a qualified technical person with the process knowledge to complete this form accurately. In addition, the returned equipment has not been exposed to biological, radioactive, or energetic (explosive) materials, and will be shipped in accordance with all appropriate federal, state, and local regulations regarding packaging, transportation, and labeling of hazardous materials where required. I understand that MKS Instruments may request a Safety Data Sheet for materials listed. I also understand that following MKS inspection, if the equipment is found to not be suitable for safe handling and disposal due to contamination, you may be subject to a service fee to cover product decontamination, special handling, and/or waste disposal costs.  Name: Signature: Date: | | | | | | | | |
|  | | | | | | | | |
|  | | **Return Material Authorization (RMA) Number:** | | | | | | |
| **Section 5: Equipment Usage and Contamination Information** (Must be completed by a qualified technical person) | | | | | | | | |
| **MKS does not accept equipment that has been exposed to Radioactive, Biological, or Energetic (explosive) materials. This requirement also pertains to Cyanide, Mercury, Sodium Azides, Dioxins, PCBs. (No RMA # issued.)** | | | | | | | | |
|  | | | | | | | | |
| Air  Aluminum Oxide (Al2O3)  Argon (Ar)  Carbon Dioxide (CO2)  Carbon Monoxide (CO)  Deuterium (D2)  Helium (He)  Hydrogen (H2)  Krypton (Kr)  Neon (Ne)  Nitrogen (N2)  Nitrous Oxide (NO)  Oxygen (O2)  Titanium Oxide (TiO2)  Water (H2O)  Xenon (Xe) | | | | Ammonia (NH3)  Ammonium hydroxide (NH4(OH))  Arsenic (As)  Arsine (AsH3)  Boron Trichloride (BF3)  Borane (BH3) or Diborane (B2H6)  Carbon Tetrabromide (CBr4)  Carbon Tetrafluoride (CF4)  Chlorine (CL2)  Dichloroethylene (C2H2CL2)  Fluoroform (CHF3)  Germane (GeH4)  Germanium Tetrafluoride (GeF4)  Hydrogen Chloride (HCL)  Hydrogen Bromide (HBr)  Hydrogen Chloride (HCL) | | | Hydrogen Fluoride (HF)  Hydrogen Selenide (H2Se)  Indium (In)  Iodothyronine deiodinase 3 (DI03)  Methane (CH4)  Nitrogen Trifluoride (NF3)  Ozone (O3)  Peracetic Acid (CH3CO3H)  Phosphine (PH3)  Sulfur Hexafluoride (SF6)  Xenon Difluoride (XeF2)  Other Chemicals/Byproducts \*\* | |
| **Product is unused and in original packaging** | | | | \*If any chemical is selected in this section, a “–H” suffix will be added to the RMA# issued.  \*\*If Other Chemicals/Byproducts is selected, Technical review by MKS is required before RMA#. | | | | |
| Confirm this equipment was:  Purged  Drained and  Open to ambient air for at least 15 minutes | | | | | | | |
| Was this Equipment:  Flushed?  Decontaminated?  Cleaned?  If so, explain the procedure: | | | | | | | |
| **Section 6: Customer Information** | | | | | | | |
| **SHIP TO:**  Company:  Address:  City: State: Zip Code:  Phone:  Email: | | | | | **BILL TO:**  Company:  Address:  City: State: Zip Code:  Phone:  Email: | | |