**Risk Assessment Form – RA-RenishawInVia\_V2.0**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Title of Assessment | Renishaw InVia spectrometer | | | Date of assessment | | 05/01/18 |
|  |  |  | | Date for review | | 05/01/19 |
| Department | Physics | | |  | |  |
|  |  |  | |  | |  |
| Descriptions of Activities | Use of the Renishaw InVia Spectrometer for Raman and photoluminescence measurements conducted at room temperature | | | | | |
|  |  | |  | |  | |
| Name of those working to this assessment | Trained Spectrometer Operators  Listed in the px-pl-users webgroup | | Any others who may be affected by this assessment | | All other Lab users | |
| Assessment carried out by | Ben Breeze | |  | | | |
|  |  | |  | | | |

|  |  |
| --- | --- |
| Additional information | For details of general lab risk assessment please see appropriate local rules. A separate Risk assessment must be carried out by the user for each sample being used these must be logged on the online form prior to experiments  <https://warwick.ac.uk/research/rtp/spectroscopy/Safety/Sample>  These individual sample assessments are available from B Breeze or M Newton on request. |

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| --- | --- | --- | --- | --- | --- | --- |
| **Foreseeable Significant Hazard** | **Hazard Risk** | **Existing control measures** | **Controlled residual risk** | **Further Action** where risk remains moderate/high | **By whom & when** | **Controlled Risk Level** |
| **Mains electricity** | Electrocution, burns. | Users are not to tamper with the equipment. All equipment must have an in date Pat test. | (Major, Unlikely)  Low | none | Ben Breeze  05/01/2018 | Low |
| **Broken Glassware** | Cuts | Take care, dispose of sharps and broken glass in the approved receptacles provided. Access to glass blowing bench is restricted. | (Minor, Likely)  Low | none | Ben Breeze  05/01/2018 | Low |
| **Laser Light** | Light affecting eye | Do not tamper with or attempt to modify apparatus. Interlocks keep laser enclosed and under normal operation is class one. | (Major, Unlikely)  Low | none | Ben Breeze  05/01/2018 | Low |
| **Broken Glassware** | Cuts | Take care, dispose of sharps and broken glass in the approved receptacles provided. Access to glass blowing bench is restricted. | (Minor, Likely)  Low | none | Ben Breeze  05/01/2018 | Low |
| **Obstructed walkways** | Slip, Fall | Do not block walkways, be aware of risk | (Minor, Possible)  Low | none | Ben Breeze  05/01/2018 | Low |
| **Dirt or polluted work area** | Poisoning, eye and skin irritation | Keep all work areas clean and tidy | (Minor, Possible)  Low | none | Ben Breeze  05/01/2018 | Low |

**Work should not be carried out until the assessment is completed to a suitable & sufficient level and all required control measures are in place.**

Is assessment suitable and sufficient Yes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Any further actions required to allow work to commence | | none | | |
|  | |  |  |  |
| Approved By | Ben Breeze |  | Position | RTP – Manager |
| Date | 05/01/2018 |  |  |  |

Please print a copy, sign it and keep for your records

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Severity of injury** | | | | |  |  | |
| **Likelihood** | **Superficial** | **Minor** | **Serious** | **Major** | **Extreme** |
| Unlikely | **Very low** | **Very low** | **Low** | **Low** | **Moderate** |
| Possible | **Very low** | **Low** | **Low** | **Moderate** | **High** |
| Likely | **Low** | **Low** | **Moderate** | **High** | **Very high** |
| Very likely | **Low** | **Moderate** | **High** | **Very high** | **Very high** | **Overall Risk Rating** (highest level found) | **low** |
| Extremely likely | **Moderate** | **High** | **Very high** | **Very high** | **Very high** |

*See ‘Matrix for risk evaluation’ for further guidance.*