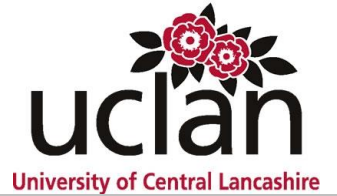


Safety, Health and Environment Section

RISK ASSESSMENT FORM



Risk Assessment For
Service / School / Dept: SBNE
Location of Activity: Harris 126
Activity: Use of flat bed laser cutter (FB Series)
REF:

Assessment Undertaken By
Name: P Critchley
Date: 4 th November 2010
Signed by Head of Dept / equivalent
Date

Assessment Reviewed
Name: Paul Critchley
Date: 12/12/14

List significant hazards here:	List groups of people who are at risk:	List existing controls, or refer to safety procedures etc.	For risks, which are not adequately controlled, list the action needed.	Remaining level of risk: high, med or low
Injuries to eye and skin from laser beam	Staff, Students	<p>Equipment is classified as a class 1 laser device – i.e. safe under normal use. (NOTE: this equipment becomes a class 4 laser device if any of the interlocks or safety features are defeated.)</p> <p>Fan and access hatches interlocked so that laser is isolated in the event they are opened. These safety features must never be bypassed.</p> <p>Opening of electrical enclosures and Maintenance will only be carried out by a competent laser service engineer with the equipment electrically isolated.</p> <p>Staff trained in safe operation by supplier.</p> <p>Students will be supervised by a competent member of staff when using the equipment unless trained by that competent member of staff and signed off on the 'Hb126 Laser Cutter Induction Training Sheet' A competent member of staff must still be present within the vicinity.</p>	<p>Equipment should be adequately maintained. This should be annually or at lesser intervals according to the level of usage</p> <p>Safety instructions (see recommendations for safe usage) and this risk assessment to be placed adjacent to equipment</p>	Low

List significant hazards here:	List groups of people who are at risk:	List existing controls, or refer to safety procedures etc.	For risks, which are not adequately controlled, list the action needed.	Remaining level of risk: high, med or low
Fire	Staff, Students	<p>Equipment must never be left unattended when in use. Equipment must not be used by trained students outside of normal working hours, 8.45am – 5.15pm</p> <p>Air intake vents must never be obstructed.</p> <p>Only suitable materials are to be engineered by the laser cutter.</p> <p>CO₂ extinguisher available close to equipment and staff will be trained in its use. Students should not use extinguishers.</p> <p>In the event of any signs of damage or malfunction, all work must stop immediately and the equipment isolated.</p>	<p>Safety instructions (see recommendations for safe usage) and this risk assessment to be placed adjacent to equipment.</p> <p>Relevant members of staff to undertake training in fire extinguisher use.</p>	Low
Exposure to fume generated by hot process	Staff, Students	Local Exhaust Ventilation (LEV) attached to laser so that all fume is removed.		Low