

## Risk assessment: THE WELD SPACE

<b>Company Name:</b>	RichCraft UK Ltd (The Weld Space)
<b>Assessment Carried OUT BY</b>	Richard Evans (Company Director)
<b>Reviewed</b>	Every 6-12 months
<b>Assessment Dates</b>	<ul style="list-style-type: none"> <li>- February 2023</li> <li>- August 24th 2023</li> </ul>

What are the hazards?	Who might be harmed and how?	What are you already doing to control the risks?	What further action do you need to take to control the risks?	Who needs to carry out the action?	When is the action needed by?
<b>Burns and Cuts</b>	Ticket holders burning hands, fingers and arms handling hot metal.	<p>Gloves are available for Hands when handling hot metal parts.</p> <p>Burns First Aid kit Available.</p> <p>Protective gloves are available to wear when handling metal.</p>	<p>Tutor to provide advice and instruction on handling hot metal and sharp metal.</p> <p>Burns First Aid Kit is available to Ticket Holders and First Aid can be administered.</p>	<p>Tutor to advise Ticket holders.</p> <p>Ticket holders are instructed to wear gloves when handling sharp and hot metal.</p>	All courses. / Book a bench hire scheme

<b>Building Fire</b>	All in the workspace. Fire, Burns, Smoke Inhalation, Death.	Building Fire Alarm System and Workshop Signage.  Fire Safety Briefing at the start of the course. Referencing Muster Point. Signage in Workshop.	Alert Fire Service and Site Management.	Tutor to Advise.  All ticket holders	All courses. / All courses. / Book a bench hire scheme
<b>Eye Damage</b>	All on the course.  Eye Damage / Loss through Sparks, Dust and Debris around the workshop whilst cutting and grinding metalwork.	Eye Protection is made available and students are instructed to wear it at all times.	Emergency Eye Wash is available to use and First Aid can be administered.  Updated Signage for work bays	Ticket Holders to wear Eye protection as instructed.  Tutor to administer any first aid / eyewash.	All courses. / Book a bench hire scheme
<b>Slips and Trips around Workshop.</b>	All around the workshop.  Bruises, broken bones and head injury.	Make sure the space is clean, tidy and free from any Hazards. Any unavoidable hazards are pointed out during "Welcome Talk"	Physically point out any hazards in and around the workshop.  Use of Hazard Warning Tape to highlight any trips.	Tutor for the Course.	All courses. / Book a bench hire scheme

<p><b>Angle Grinding activities.</b></p>	<p>All in the workshop. Eye Damage from Dust and Sparks. Dust inhalation from grinding dust.</p> <p>Finger, Hand, Arm and face injuries from</p> <p>Grinding/cutting disk breakage.</p>	<p>Ticket holders are instructed how to use angle grinders by a tutor.</p> <p>Gloves are worn during use.</p> <p>It is advised that two forms of Eye protection are worn. Safety Glasses and a Full Face Visor.</p> <p>* A Full Face Visor must be worn all the time whilst Angle Grinding at a minimum.</p>	<p>Ear protection is available to protect ears from Loud noise.</p> <p>Fume Extraction is available for the removal of particles and dust.</p> <p>Workstations are divided off to separate students from each others sparks.</p> <p>Disposable Dust Masks are available for students to wear.</p>	<p>Tutor for the course.</p>	<p>All courses. / Book a bench hire scheme</p>
<p><b>Loud Noises around the workshop.</b></p>	<p>All ticket holders</p> <p>Grinding metal, cutting metal, hammering banging, general workshop noise.</p>	<p>Ear Protection are available for all to wear for the duration of the course.</p> <p>Welcome Talk to highlight PPE available for Ticket holders.</p> <p>New Signage</p>	<p>Limiting the use of Noisy machinery to specific times of the day.</p> <p>Closing the door to the workshop.</p> <p>Updated Signage in Workshop</p>	<p>Tutor and Students.</p>	<p>All courses. / Book a bench hire scheme</p>
<p><b>Welding Activities. (Burns, Electric Shock, Eye</b></p>	<p>All in Workspace. Machine operators.</p> <p>Injuries include Welding Sparks,</p>	<p>Tutor will explain the proper use of Welding Machines and how to operate them safely.</p>	<p>Welding workstations are separated from each other to protect against stray sparks and High UV Light. (Arc Eye)</p>	<p>Ticket Holders</p>	<p>All courses. / Book a bench hire scheme</p>

<p><b>Damage, High UV Light.</b></p>	<p>High Intensity UV light from the welding process. Electric shock from machine malfunction)</p>	<p>Ticket Holders will use the machines only under the guidance of a tutor.</p> <p>All Welding PPE is made available to ticket holders throughout the course and must be worn whilst welding. Welding Helmets, Welding Jackets and Gloves. Fume extraction to take away smoke/fumes and dust.</p> <p>Fume Extraction will take away the Welding Fumes.</p>	<p>All wires and Electronics have been checked for damage. Damages repaired or replaced.</p> <p>Ear Plugs available under Helmets to avoid distraction of loud noise.</p> <p>Installation of ceiling fan to blow in fresher air into workshop and circulate existing air.</p>		
<p><b>Cutting using Metal Saw use. (Cuts to Fingers, Hands and Arms. Metal Splinters from use.</b></p>	<p>All using the Metal Cutting Saw.</p>	<p>Tutor to provide 1–2-1 Instruction in the use of the Metal Saw.</p> <p>Ticket Holders to wear eye protection for cutting metal at all times.</p>	<p>Protective Gloves to be made available for ticket holders and operators of machines.</p> <p>New Signage</p>	<p>Tutor to brief Ticket Holders.</p>	<p>All courses. / Book a bench hire scheme</p>
<p><b>General sickness on the day.</b></p>	<p>All in Workspace.</p>	<p>First Aid kits are available and relevant first aid can be administered by First Aiders.</p>	<p>Next of Kin details have been recorded for Emergency Use only.</p>	<p>Ticket Holders to provide Next of Kin details in Advance on booking or on the Day.</p> <p>Tutor to be first Aid qualified.</p>	<p>All courses. / Book a bench hire scheme</p>

<p><b>Use of Hand/Power Tools, Drills, Scribes, Hammers.</b></p>	<p>All using Tools</p>	<p>Tutor to provide instruction in the proper use of Hand and Power Tools.  Eye Protection to be worn during use.</p>	<p>Gloves to be made available to avoid splinters.</p>	<p>Tutor</p>	<p>All courses. / Book a bench hire scheme</p>
<p><b>Workshop Dust and Fumes</b></p>	<p>All in the workspace.</p>	<p>Workshop door to remain open where possible to allow for ventilation.  Fume Extractor to operate where fumes are in use.</p>	<p>Disposable Dust Masks are made available for Ticket Holders if required. Ceiling Fan to operate when necessary to aid in the use of ventilation.</p>	<p>Tutor to operate Fume Extraction when necessary.</p>	<p>All courses. / Book a bench hire scheme</p>
<p><b>Pillar Drill</b></p>	<p>Person operating the machine  People Surrounding the machine  Drill bits coming loose and ejecting from the machine  Metal Objects coming loose  Drill bit snapping</p>	<p>1-2-1 Instruction on how to use the pillar drill.  Use sharp drill bits for clean cutting and hole drilling.  Pillar drill in a segregated section of the workshop  Eye protection is available.  Demonstration of use.  Supervision of Use</p>	<p>Enclose pillar drill chuck.  Clean up the work area around pillar drill.</p>	<p>Tutor to advise and demonstrate.  Student to carry out action.</p>	<p>All courses. / Book a bench hire scheme</p>

<b>Tube Bending Manual Machine</b>	<p>Person using the tube bender.</p> <p>Slips from too much pressure and falling over onto the workshop floor.</p>	<p>Instruction on how to use the tube bender.</p> <p>Demonstration of use.</p> <p>Supervision of use.</p>	<p>Gloves made available.</p> <p>Fix benches wheel to avoid any unnecessary movement of bench during manual bending</p>	<p>Tutor to Advise.</p> <p>Student to carry about appreciate action.</p>	<p>All courses.</p> <p>/ Book a bench hire scheme</p>

More information on managing risk: [www.hse.gov.uk/simple-health-safety/risk/](http://www.hse.gov.uk/simple-health-safety/risk/)