

Risk Assessment

Download link: [#007 - Soldering Area - 261029.pdf](#)

#	Identify Hazards	Risk	Who may be harmed	Severity	Control Measures	Likelihood	Risk Rating
---	------------------	------	-------------------	----------	------------------	------------	-------------

1	Electricity	Users risk burns or shock from equipment use	User	High	All electrical equipment should be checked for electrical safety prior to use. Equipment must not be used unless they have a PAT test label on. It is the users responsibility to do a visual check of the equipment. If any defects are found (i.e. cracked casing, defect in lead etc) the equipment is not to be used, to be quarantined, safety officer informed, and a defect label attached. Induction covers inspection of	Low	Med
---	-------------	--	------	------	---	-----	-----

2	Misuse of equipment	Damage to user or equipment	User, Bystander	Med	Members are inducted into the correct use of the equipment and understand associated risks. Members found to be deliberately misusing equipment may have their use of the equipment restricted or revoked altogether.	Med	Low
---	---------------------	-----------------------------	-----------------	-----	---	-----	-----

3	Rosin core Solder Flux paste	Fume Inhalation	User, Bystander	Low	A fume extractor inlet is provided on each station, that takes the fumes to a filter Fume extractor is always powered whilst the soldering equipmen t has power Do not use the soldering area if the fume extractor is inoperativ e	High	Low
4	Leaded Solder	Lead exposure	User	Low	Members are required to wash hands after using equipmen t Food is strictly prohibited inside the soldering area Induction covers rules	Med	Low

5	Soldering Irons Hot Air Station Hot Plate	Minor Burns	User	High	An enclosed cradle is provided for stowing all the handheld equipment in between uses while soldering. Induction specifies correct usage of hotplate and soldering iron A burn kit is available in kitchen area Induction covers safe storage of equipment	Med	Low
6	Spitting Solder, Cutting Component Legs	Damage to Eyes	User	High	Goggles must be worn whilst using the station Induction covers usage and location of goggles	Low	Low

7	Loose Hair/Clothing	Clothes/Hair catching Fire/Melting Knocking hot equipment out of their station/workspace	User	Med	Members are required to tie hair back whilst using the station Members are not permitted to use the soldering area in loose fitting clothing Induction covers correct attire in the soldering area	Med	Med
9	Overcrowding	Contact with hot equipment Knocking hot equipment out of their station/workspace	User, Bystander	Med	There is a maximum of 3 people in the soldering area Induction covers space limits	Low	Low

10	Hot air station	Heat misdirected towards flammable material	Space	High	The handpiece is not to be set down except inside its station The station must be positioned such that the hot air jet is not pointing towards any flammable material during use Station detects when the handpiece is placed in its cradle and reduces temperature and blow speed Induction covers safe usage and storage	Low	Low
----	-----------------	---	-------	------	---	-----	-----