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| **Site / Area:** | |  | | **Date of assessment:** |  | **Risk Assessment #:** | **058RA** |
| **Completed by (name):** | |  | | **Signature:** |  | | |
| **In Consultation with** | |  | | **Signature:** |  | | |
| **Identify / describe activity, equipment, area or event you are assessing:** | | | | | **LATHE – WOOD TURNING** | | |
| **In conjunction with this risk assessment, training / education and development of a relevant SOP may be required.** | | | | | | | |
| **Step 1:** **Identify the hazard/s:**What do you believe are the hazards?(Refer Risk Assessment Guideline (015G)) | | **Step 2: Assess the risks:**  What do you believe are the risks?  (Refer *Risk Assessment Guideline (015G)*) | | **Step 3: Reducing the risk:** What do you believe can be done to reduce the risk? (Refer *Risk Assessment Guideline (015G)*) | | |
| **What could cause harm?** | | **What could go wrong?** | | **Controls** | | |
| **Machinery & equipment**   * Operation of the Plant (Mechanical Hazard) | | * Worker / other becoming entangled in moving parts of the plant (chuck, gears and lead screw) * Laceration to a Worker / others fingers or hand from swarf * Worker / other injured whilst changing gear-head speeds * Worker injured while conducting maintenance on the plant * Worker / other could receive an eye injury from flying particles and/or swarf | | Plant has an interlocked chuck guard fittedThe top gear cover is locked or electrically interlockedWorker / others are provided with personal protective equipment (PPE)Workers are trained in plant maintenance and all equipment is “locked-out” electrically when maintenance is undertaken | | |
| **Electrical**   * Frayed / loose cords | | * Worker / other could get electrocuted or receive an electric shock from poorly maintained/damaged plant * Electrical installation could be impacted and damaged * Wiring could cause an electrical fire * Unable to stop the plant in an emergency (Operational controls and e-stop) | | The plant undergoes regular electrical inspections (test & tag)RCD’s available and checked on a regular basisThe main power distribution board is RCD protectedPlant is fitted with standard on/off control panel and twist/lock-off style emergency stop switchEquipment isolated from main electricity supply when not in use | | |
| **Noise**   * No hearing protection | | * Potential hearing loss/impairment * Workers / others cannot communicate due to noise | | PPE is available on request | | |
| **Hazardous Manual Tasks**   * Incorrect storage of equipment * Sustained / awkward postures * Poor work area design | | * Sprains / strains | | Plant is set at a suitable working heightTrolleys are available for moving items if requiredAll workers (and others) are trained in safe manual handling techniques | | |
| **Gravity**   * Slips, trips and falls | | * Sprains / strains/ contusions | | * Maintain a clear work space in and around the lathe * Non-slip floor surfaces * Regular housekeeping (sweeping / vacuuming floors). | | |
| **Airborne contaminants**   * Dust and vapours | | * Respiratory illness * Eye irritation | | * Local exhaust ventilation installed * PPE is provided and worn as required * Regular housekeeping (sweeping / vacuuming) | | |
| **Other** | |  | |  | | |

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| **Authorised by:** |  | **Signature:** |  | **Date:** |  |

**Review hazard/risk assessment if task or circumstances change and at intervals appropriate to the level of risk (minimum 5 years).**

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| **Step 4: Monitor & review:**  (Refer to hazard sheet)  **Please tick Yes or No** | | | | | | | | |
| **Were the controls effective?** | | | | **Were there any unforeseen hazards/ incidents?** | | | | **New controls** |
| **Yes** |  | **No** |  | **Yes** |  | **No** |  |
| **DETAILS** | | | | **DETAILS** | | | | **DETAILS** |
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| **Name:** |  | **Signature:** |  | **Date:** |  |