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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 switch Equipment 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 height Trolleys 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:** |  |