



# The University of Sheffield

## Risk Assessment Form

<b>PERSONS AT RISK :</b> ( * ) Employees ( ) Contractors ( ) Public ( ) Visitors ( ) Others			<b>Reference No:</b> WS1/10/2002
<b>Risk:</b> (H) High (M) Medium (L) Low (O) No Risk.			<b>Environment:</b> Civil Engineering Workshop
<b>TASK or ACTIVITY:</b> Use of all lathes for turning, boring and polishing.		<b>INITIAL RISK RATING</b>	<b>FINAL RISK RATING</b>
<b>SIGNIFICANT HAZARD</b>	<b>RISK</b>	<b>EXISTING CONTROL/PROPOSED CONTROL MEASURES</b>	
1. Contact with moving chuck, Faceplate / driving centre.	Entanglement / personal injury	H	1. Only trained & experienced operators authorised to use lathes. } 2. Operators to wear lab coats/boiler suits - no loose clothing-Hair tied back if appropriate. } 3. Remove jewellery & other items that could catch on projections. } M 4. Use of guard over chuck / faceplate / driving centre (see comments) } 5. Detailed safe working procedures for each machine. } 6. Emergency stop controls fitted to each machine. } 7. Trainees only to work under supervision. }
2. Swarf / ejected parts	Personal injury / damage to workpiece	M	1. Safety glasses, visor or goggles to BS EN 166 1F } 2. Stop drive when clearing swarf from workpiece / workarea. } L 3. Use brush or rake to clear away swarf. }
3. Soluble oil	Carcinogen / dermatitis	H	1. Oil resistant gloves, PVC or similar, to be worn when contacting oil. } 2. Wash hands thoroughly after accidental contact with oil. } L 3. Remove oil contaminated clothing for laundering. }
<b>Comments: Workpieces for turning are highly variable in size and shape , and require frequent replacement of chucks</b>			<b>Overall Risk: M</b>
by faceplates or driving centres. Guarding must protect under varied operating conditions but a fixed interlocked guard would make turning operations at the drive end extremely difficult. A sliding guard has been intalled on some lathes to protect against contact with the drive end. The differing width of the drive end equipment dictates against fixed position interlocked guarding.			
<b>Additional References, Tasks etc</b>			
Reference should be made to the Workshop Code of Practice. <a href="http://www.shef.ac.uk/Safety/mech/index/html">www.shef.ac.uk/Safety/mech/index/html</a>			
<b>Undertaken By:</b> R.A.Smith Woprkshop Supervisor			
<b>Other Persons Consulted:</b>			
<b>Date:</b> 10/15/02			<b>Revision Date:</b>