

Technologies - No.60 Surface Planing and Thicknessing Machine (List additional hazards, risks and controls particular to your school using the blank template no.69)

Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Controls (When all controls are in place risk will be reduced).	Is this control in place?	Action/to do list/outstanding controls *Risk rating applies to outstanding controls outlined in this column	Person responsible	Signature and date completed
Contact with cutters		Cuts/lacerations	H	Adjustable bridge guard (lockable in any position without the use of a tool), height adjustable and sized appropriate to the cutter				
		Amputations	H	The stop control is more prominent than the start control to facilitate ease and speed of access when it is necessary to turn off the machine				
		Entanglement		Machine is fitted with an emergency stop control (usually red domed mushroom type head on yellow housing) in an appropriate location, which is easily accessible in an emergency				
				The flap type emergency stop control (flap-stop is a normal start and stop contact, which is equipped with a yellow flap and red mushroom-type push buttons, covering both the start and stop contacts) is not acceptable where there is a need for an emergency stop				
				In the event of power supply interruption, automatic restart is prevented after restoration of the power supply				
Direct contact with moving parts		Injuries causing laceration, amputation, bruising, fracture or burns	H	Before use a visual check should be carried out to ensure where applicable all guards and covers are fitted, in good order and there are no visible faults				
			H	Tools are used in compliance with manufacturers instructions				
			M	Operators manual is available where required				
			H	Dangling jewellery prohibited				
			H	Long hair is tied back				

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Contact with drive system		Severe cuts or amputation of fingers	H	Bottom guard securely fitted. Guard removable only with the use of a tool or alternatively be fitted with an interlocking guard mechanism				
Contact by persons other than the operator with moving machine		Entanglement, pinching, amputation of body parts	H	Safe operational areas should be marked out clearly around machines				
Rotating parts		Eye injury Entanglement Severe hand injury	H	Ensure settings of cutting edges are correct. Ensure demensions and settings of bridge guard are adequate. Edges of tool should not protrude over block by more than 1.1mm				
Unsecured machine and kick back of work piece		Movement of machine leading to injury during use	H	Machine securely fixed to the floor				
		Kick-back of work piece	H	Anti-kickback device should be fitted				
Unsupervised use of machines		Unsupervised use leading to injury	H	Pupils are prohibited from using certain machinery				
			H	Pupils are supervised by teacher when using any machine				
			H	Pupils are instructed by teacher before using any machine				
			H	Machinery to be used by teachers only should be clearly identified				

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Electric shock, electrocution, burns, death		Electric shock/fire/burns	H	Visual check carried out prior to use				
			H	Machines are serviced by a competent person and service records kept as part of the maintenance schedule				
			H	Defective electrical equipment shall be clearly identified, labelled as out of use. Ensure all faults are recorded in log book. Ensure any previous faults have received attention. Report defects to person in control of workplace to ensure all items are repaired or replaced				
			H	Ensure cables are free from damage, do not have any non-standard joints or show any signs of overheating				
			H	Ensure equipment is locked off when not in use				
Inadequate signage		Inadequate information and warnings leading to unsafe use of machine and injury	M	Warning signs are prominently located and maintained in good condition				
Noise		Hearing damage	H	See 'General School Risk Assessments - No. 26 Noise'				

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Flying fragments		Eye/facial injury	H	Appropriate eye protection is worn				
Dust		Dust inhalation	H	Machine is fitted to a suitable dust extraction device system when in use, e.g. local extraction unit or central extraction unit				
		Respiratory problems	H	Exposure to all wood dusts (hard and soft woods) is strictly controlled i.e. dust levels are kept well below the relevant occupational exposure limit values (OELVs) ¹				
		Eye irritation	H	Respiratory protective equipment (RPE) is used during change of filter bag e.g. CE marked disposable filtering face piece respirators FFP1 or FFP2				
			H	Appropriate personal protective equipment (PPE) is available, e.g. overalls, eye protection, gloves etc				
			H	Housekeeping is maintained to a high standard to ensure control of any residual dust				
Ingestion of contaminated material		Poisoning or ill health	M	Food and drink are prohibited in working area				
Contact with hazardous materials		Exposure to hazardous materials	M	Personal hygiene is promoted (washing of hands, use of barrier creams etc.)				

¹ See 2010 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001 (S.I. No. 619 of 2001)

If there is one or more **High Risk (H)** actions needed, then the risk of injury could be high and immediate action should be taken. **Medium Risk (M)** actions should be dealt with as soon as possible. **Low Risk (L)** actions should be dealt with as soon as practicable.

Risk Assessment carried out by: _____

Date: / /