

Technologies (Surface Planing and Thicknessing Machine) – Risk Assessment Template No. 63 (List additional hazards, risks and controls particular to your school using Template no. 74)

Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Control measures	Is this control in place? Y/N	If no, what actions are required to implement the control?	Person responsible	Date action completed
Contact with Cutters Note: This machine is classed as a "high risk woodworking machine" under health and safety Regulations [Ref.S.I. No.36 of 2016]		Cuts/ Lacerations Amputations Entanglement	H	Adjustable bridge guard is in place (lockable in any position without the use of a tool), height adjustable and sized appropriate to the cutter				
			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				
			H	The 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 emergency stop works				
			H	The flap type ^[23] 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				
			H	In the event of power supply interruption, automatic restart is prevented after restoration of the power supply				
Direct contact with moving parts		Injuries e.g. 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	Machine used in compliance with manufacturer's instructions				
			M	The operator's manual is available				
			H	Dangling jewellery is prohibited Gloves, rings or loose clothing are not worn				
			H	Long hair is tied back				

 ^[23]Flap Type Emergency Stop Control



Technologies (Surface Planing and Thicknessing Machine) – Risk Assessment Template No. 63 cont'd. (List additional hazards, risks and controls particular to your school using Template no. 74)

Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Control measures	Is this control in place? Y/N	If no, what actions are required to implement the control?	Person responsible	Date action completed
Contact with drive system		Severe cuts or amputation of fingers	H	Bottom guard is securely fitted The guard is removable only with the use of a tool, or alternatively is 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 are marked out clearly around machines				
Rotating parts		Eye injury Entanglement Severe hand injury	H	The settings of cutting edges are correct Dimensions and settings of bridge guard are adequate				
Unsecured machine		Movement of machine leading to injury during use	H	The machine is securely fixed to the floor				
Kick-back of work piece		Severe impact injury	H	An anti-kickback device is fitted				
Unsupervised use of machines		Unsupervised use leading to injury	H	Use of this machine is restricted to authorised teachers				
			H	Machinery to be used by teachers only is clearly identified				

Technologies (Surface Planing and Thicknessing Machine) – Risk Assessment Template No. 63 cont'd. (List additional hazards, risks and controls particular to your school using Template no. 74)

Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Control measures	Is this control in place? Y/N	If no, what actions are required to implement the control?	Person responsible	Date action completed
Electric shock, electrocution, burns, death		Electric shock/ fire/ burns	H	A visual check is carried out before use				
			H	Machines are serviced by a competent person and service records kept as part of the maintenance schedule				
			H	Defective electrical equipment is clearly identified and labelled as out of use All faults are recorded in log book Previous faults have received attention Defects are reported to the person in control of the workplace to ensure all items are repaired or replaced				
			H	Cables are free from damage, do not have any non-standard joints, or show any signs of overheating				
Accidental start-up			H	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	Noise measurements are carried out where necessary by a competent person Warning signs are in place beside noisy equipment and are visible Hearing protection is worn where necessary				

Technologies (Surface Planing and Thicknessing Machine) – Risk Assessment Template No. 63 cont'd. (List additional hazards, risks and controls particular to your school using Template no. 74) b

Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Control measures	Is this control in place? Y/N	If no, what actions are required to implement the control?	Person responsible	Date action completed
Flying fragments		Eye/facial injury	H	Appropriate eye protection is worn				
Dust		Dust inhalation	H	The 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) ²⁴				
		Eye irritation	H	Respiratory protective equipment (RPE) is used during change of filter bag e.g. CE marked disposable filtering face piece respirators FFP2 (as long as all other controls are working effectively, and they are well below the OELV)				
			H	Appropriate personal protective equipment (PPE) is available, e.g. overalls, eye protection, 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.)				

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 ²⁴ See Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 2018

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: / /