

Mitre Saw

Risk assessment

This table outlines the possible risks that users of this tool should bear in mind. The risk rating, likelihood, and severity are all calculated assuming that the listed control measures are followed. If you are uncomfortable with these risks, or are not confident in your ability to use this tool safely, please do not use it.

Risk rating	Likelihood	Severity	Hazard	Who may be harmed & how	Control measures
M	M	H	Injuries due to contact with body	<ul style="list-style-type: none"> User - the user may be injured by deep cuts on the cutting edge or irritation and abrasion on the other sides 	<ul style="list-style-type: none"> Signage - standard "moving blades" signage, signage showing required PPE Training - users trained in safe use of mitre saw, instructed to keep hands out of path of the mitre saw, training enforced by access control Equipment - first aid kit available
M	M	M	Injuries due to kick-back	<ul style="list-style-type: none"> User - the user may be hit by the substrate propelled by kickback or by the substrate falling. Bystanders - a bystander may be hit by the substrate propelled by kickback 	<ul style="list-style-type: none"> Signage - signage is displayed showing warnings and PPE for the mitre saw Training - users trained in safe use of mitre saw, instructed on how to decrease risk of kickback, training enforced by access control Equipment - appropriate closed-toe footwear and eye protection must be worn, first aid kit available
L	L	M	Hearing damage	<ul style="list-style-type: none"> User - the user may sustain damage to hearing due to the loud operation of the mitre saw with some materials Bystander - a bystander may sustain damage to hearing due to the loud operation of the mitre saw with some materials 	<ul style="list-style-type: none"> Signage - signage indicating high noise levels, recommended PPE, and loud materials are displayed Training - users are instructed to use appropriate PPE, advised which materials may produce loud operation Equipment - users use hearing protection such as ear plugs or ear defenders during operation
L	L	M	Injury due to airborne particles	<ul style="list-style-type: none"> Users of the room - anyone in the room may sustain injury from inhalation or contact with eyes of small particles produced by sawing of the substrate 	<ul style="list-style-type: none"> Signage - signage particulate hazards and recommended PPE are displayed Training - users are instructed to wear appropriate PPE Equipment - users must wear appropriate eye protection and an FFP2 (N95) rated respirator or mask, eye wash kit is available

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L	L	M	Body part or clothing is caught in moving parts	<ul style="list-style-type: none">• User - the user may experience injuries such as stretch, crush, or pinch injuries and cuts, irritation or abrasion from the blade	<ul style="list-style-type: none">• Signage - signage indicating moving parts and pinch points is displayed• Training - users are instructed to remove or secure loose clothing and long hair• Equipment - first aid kit available