

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  |
|-------------|------------|----------|--|--|---|
| L           | L          | M        | Injuries due contact with body           | <ul style="list-style-type: none"> <li>User - the user may have irritated, abraded, or peeled skin due to contact with the moving surface of the sander</li> </ul>   | <ul style="list-style-type: none"> <li>Signage - signage is displayed showing warnings and PPE for the sander</li> <li>Training - informing the user about how to tell that the sander is running, the risks of using a sander, what PPE should be worn, and how to turn off the sander, fingers should be kept 10 cm away from sanding surface</li> <li>Equipment - Appropriate clothing must be worn, an emergency stop button is installed, first aid kit available</li> </ul> |
| L           | L          | M        | Injuries due to losing grip on substrate | <ul style="list-style-type: none"> <li>User - the user may be hit by the substrate at high speeds due to the high friction and speed of the sander resulting in injuries. the user may be hit by the substrate falling.</li> <li>Bystanders - a bystander may be hit by the substrate at high speeds due to the high friction and speed of the sander resulting in injuries</li> </ul> | <ul style="list-style-type: none"> <li>Signage - signage is displayed showing warnings and PPE for the sander</li> <li>Training - informing the user about how to tell that the sander is running, the risks of using a sander, what PPE should be worn, and how to turn off the sander.</li> <li>Equipment - Appropriate closed-toe footwear must be worn, first aid kit available</li> </ul>  |
| L           | L          | M        | Hearing damage                           | <ul style="list-style-type: none"> <li>User - the user may sustain damage to hearing due to the loud operation of the sander</li> <li>Bystander - a bystander may sustain damage to hearing due to the loud operation of the sander</li> </ul>   | <ul style="list-style-type: none"> <li>Signage - signage indicating high noise levels and recommended PPE are displayed</li> <li>Training - users are instructed to use appropriate PPE</li> <li>Equipment - users use hearing protection such as ear plugs or ear defenders during operation</li> </ul>  |

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|-------------|------------|----------|---|--|--|
| L           | L          | M        | Injury due to airborne particles                | <ul style="list-style-type: none"> <li>Users of the room - anyone in the room may sustain injury from inhalation or contact with eyes of small particles produced by sanding of the substrate</li> </ul> | <ul style="list-style-type: none"> <li>Signage - signage particulate hazards and recommended PPE are displayed</li> <li>Extraction - an extraction device is installed to extract particles produced during sanding of substrate</li> <li>Training - users are instructed to wear appropriate PPE</li> <li>Equipment - users must wear appropriate eye protection and an FFP2 (N95) rated respirator or mask, eye wash kit is available</li> </ul> |
| L           | L          | M        | Body part or clothing is caught in moving parts | <ul style="list-style-type: none"> <li>User - the user may experience injuries such as stretch, crush, or pinch injuries and cuts, irritation, abrasion, or peeling of the skin</li> </ul>               | <ul style="list-style-type: none"> <li>Signage - signage indicating moving parts and pinch points is displayed</li> <li>Training - users are instructed to remove or secure loose clothing and long hair</li> <li>Equipment - an emergency stop button is installed, first aid kit available</li> </ul>  |