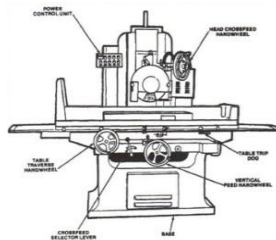




Risk Assessment Surface Grinder



Hazards Requiring Attention:

0

AS AT

Tuesday, 30 December 2025

Next Review

Wednesday, 30 December 2026

Total Hazards Recorded

11

Critical Risk Hazards

0

High Risk Hazards

0

Moderate Risk Hazards

8

Low Risk Hazards

3

Risk Matrix - Refer Procedure Risk Management

Probability	Low	Minor	Moderate	Major	Critical
Negligible	L2	L3	L4	M5	M6
Unlikely	L3	L4	M5	M6	H7
Possible	L4	M5	M6	H7	H8
Likely	M5	M6	H7	H8	E9
Almost Certain	M6	H7	H8	E9	E10

Surface Grinder

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Surface Grinder Operation - Exposure to Rotating or Moving Parts	Entanglement and Entrapment	3	4	H7	1 - Where possible, potentially hazardous plant, machinery and processes, including Surface Grinders, are substituted or replaced with less hazardous alternatives. 2 - All necessary Surface Grinder guards and safety devices are in place protecting workers from all moving parts. 3 - Micro switches are fitted that cut off power when covers or guards are opened. 4 - "Lock Out" or warning "Danger" tags are affixed to all Surface Grinders under repair or maintenance preventing workers from using the equipment. 5 - Staff and student training is provided to minimise exposure to these hazards. 6 - Safe operating procedures (SOPs) for all Surface Grinders are available and clearly displayed. 7 - "Safe Working Zones" around all Surface Grinders are clearly defined by yellow safety lines (or similar). 8 - Emphasis is placed on the requirement for plant operators to remove all jewellery, tuck in loose clothing and tie back long hair.	1	4	M5
Surface Grinder Operation - Exposure to Rotating or Moving Parts	Striking	3	4	H7		1	4	M5
Surface Grinder Operation - Exposure to Rotating or Moving Parts	Crushing & Pinching	3	4	H7		1	4	M5
Surface Grinder Operation - Exposure to Rotating or Moving Parts	Cutting, Stabbing and Puncturing	3	4	H7		1	4	M5
Work Environment	Slips, Trips, Falls and Abrasions	4	4	H8	1 - Housekeeping 2 - Training is provided to minimise exposure to these hazards.	2	4	M6
Work Environment	Noise	4	3	H7	1 - Regular Maintenance 2 - Hearing Protection	2	3	M5
Work Environment	Dust, Fumes and Vapours	4	3	H7	1 - Regular Maintenance 2 - Hearing Protection 3 - All appropriate and approved personal protective equipment (PPE) is used where required.	1	3	L4

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Work Environment	Lighting	4	3	H7	1 - Good lighting is provided to all workspaces and this is maintained on a regular basis. Lights are checked and replaced as required.	1	3	L4
Surface Grinder Operation	Electrocution	3	4	H7	1 - Surface Grinder has a wall or machine mounted isolating switch that disconnects all motive power. 2 - All Surface Grinders are fitted with a Direct on Line (DOL) Start/Stop switch - (red and green buttons). 3 - Emergency stop buttons are mounted prominently where necessary. 4 - "Lock Out" or warning "Danger" tags are affixed to all drill press machinery under repair and maintenance. 5 - Electrical safety inspections are completed regularly as per guidelines for all Surface Grinders.	2	4	M6
Surface Grinder Operation	Ergonomics and Manual Handling	4	3	H7	1 - Sufficient workspace is provided to ensure unobstructed, safe operation. 2 - "Safe Working Zones" are clearly defined around all drill press machinery. Floors are free of excessive dust, waste materials and other extraneous objects. 3 - Manual Handling in accordance with the Work Method Statement Manual Handling	1	3	L4
Surface Grinder Operation	Explosion and Fire	3	4	H7	1 - Fire extinguishers of the correct type are readily available in all workspaces and positioned near exit doorways. 2 - Evacuation Plan in place.	2	4	M6