

Risk Assessment

1.0 Risk Assessment Details

1.1 Risk Assessment Number	0000000015
1.2 Risk Assessment Date	16/07/2024
1.3 Risk Review Date	16/07/2025
1.4 Risk Assessment Author	Keith Ambrose
1.5 Project/Contract	Internal Grinding Tool Risk Assessment
1.6 Start Date	10/07/2024
1.7 Expected Job Duration	Ongoing
1.8 Client Contact	N/A
1.9 Description	Grinding - Tool Grinder
1.10 Site Address	All sites

2.0 Signatures

	Name	Title	Signature	Date
Document Author	Keith Ambrose			16/07/2024

Data Protection Statement

The information and data provided herein applies only to the contract for which it was written, it shall not be duplicated, disclosed or disseminated by the recipient in whole or in part for any purpose whatsoever without the prior written permission from HS Direct..

It is the duty of all employees to observe the following Risk Assessment framed to provide a code of good practice and conduct with the object of preventing accidents. At all times employees must work in a safe manner both to prevent personal injury to themselves or to other personnel.

3.0 Individuals or Groups Affected By This Assessment

Groups Affected
Employees
Other Contractors

Main Contractor
Treadfirst Tyre & Exhaust Ltd

4.0 Hazards and Control Procedures :

Pre-Control			Hazard: Gas Cylinders	Residual Risk		
P	S	RR		P	S	RR
			Burns, Death, Explosion, Material damage.			
4	5	20	Control Procedures	2	5	10
			All valves, pipes and torches are inspected annually by competent personnel to ensure they meet BS EN559, EN730 and also EN560.			
			Check that the valves, pipes, torch, and flash back arrestors are in good condition before proceeding.			
			Ensure bottles are fastened to a solid structure to prevent falling and causing damage.			
			Ensure prior to working in confined spaces that all gas bottles and ancillary equipment are not leaking. Remove gas bottles from confined space on completion of works. Ideally do not have the gas bottles in the confined space at all.			
			Only competent members of staff are permitted to use the gas bottles.			

Pre-Control			Hazard: Slips Trips and Falls	Residual Risk		
P	S	RR		P	S	RR
			Bruising, Cuts, Broken Limbs - Caused by items left on the floor, water, oil and other slippery surface or poor footwear			
4	3	12	Control Procedures	2	3	6
			All staff will wear suitable footwear with non slip soles at all times.			
			Ensure that any spillages are cleaned up using spill kit.			
			Ensure walkways and Emergency Escape routes are kept clear of obstruction at all times.			

Pre-Control			Hazard: Repetitive Actions	Residual Risk		
P	S	RR		P	S	RR
			Repetitive Strain Injury			
4	3	12	Control Procedures	2	3	6
			Ergonomic requirements taken into consideration and suitable workstation set-up in place.			
			Plan the task is rotated between as many operators as possible during the full shift.			

Pre-Control			Hazard: Step Ladders	Residual Risk		
P	S	RR		P	S	RR
			Death, Major Injury Fall from height, contact with other equipment, falling objects.			
4	5	20	Control Procedures	1	5	5
			All staff are experienced, trained and competent to work from step ladders Young/inexperienced staff are trained and closely supervised during ladder work.			
			Step Ladders will not be used where an onsite risk assessment has determined that the residual risk with all controls in place is still too high. The competent person is responsible for organising other safer means of access to height.			
			Treadfirst Tyre and Exhaust Ltd step ladders are inspected before every use and defects reported, damaged ladders are removed from site and replaced.			

Pre-Control			Hazard: Rigging and Slings	Residual Risk		
P	S	RR	Bruising, Cuts, Broken Limbs, Death.	P	S	RR
4	5	20	Control Procedures	1	5	5
			All staff who carry out slinging operations are trained and competent.			
			Only qualified (competent) persons to carry out these operations.			
			Staff will ensure all lifting and slinging equipment is fit for purpose and strong enough to carry out the lift safely.			

Pre-Control			Hazard: Damage to electrical apparatus	Residual Risk		
P	S	RR	Electrocution, Burns, Death, Fire, Explosion - Contact with live conductors and earth may cause electrocution or burns. Electrocution may cause heart stoppage through electric shock	P	S	RR
4	5	20	Control Procedures	1	5	5
			Immediately isolate equipment from the main supply.			

Pre-Control			Hazard: Work adjacent to Live Conductors	Residual Risk		
P	S	RR	Electrocution, Burns, Death, Fire, Explosion - Contact with live conductors and earth may cause electrocution or burns. Electrocution may cause heart stoppage through electric shock.	P	S	RR
4	5	20	Control Procedures	1	5	5
			Isolation and lock off rules to be strictly adhered to before work commences.			
			Where possible shroud conductors with suitable insulating material, following isolation and lock off, before proceeding.			

Pre-Control			Hazard: Hot Work	Residual Risk		
P	S	RR	Burns, Explosion, Material damage.	P	S	RR
4	5	20	Control Procedures	1	5	5
			Ensure that all gas cylinders are safely secured in an upright position and fitted with flashback arrestors.			
			Ensure you know where the nearest telephone is and that you are familiar with Fire emergency procedures.			
			The area must be personally examined upon completion of work and 30 minutes after completion.			

Pre-Control			Hazard: Coming into contact with hot parts	Residual Risk		
P	S	RR	Burns	P	S	RR
4	4	16	Control Procedures	1	4	4
			Appropriate PPE issued and used by relevant members of staff.			

Pre-Control			Hazard: Flying debris	Residual Risk		
P	S	RR	Injury to eyes and skin	P	S	RR
4	4	16	Control Procedures	1	4	4
			Ensure transparent protection shield is in place, clean and in good condition for visual use.			
			Safety goggles must be worn to prevent eye injury.			

Pre-Control			Hazard: Combustible Materials	Residual Risk		
P	S	RR	Burns, Material damage.	P	S	RR
4	4	16	Control Procedures	1	4	4
			Ensure all combustible material is kept away from ignition sources.			

Pre-Control			Hazard: Fire on Site	Residual Risk		
P	S	RR	Accidental fires may cause Burns, Asphyxiation, Blast injuries, Respiratory damage may be caused through toxic smoke.	P	S	RR
4	4	16	Control Procedures	1	4	4
			During induction the supervisor should make all staff aware of site specific fire procedures.			
			Ensure all staff are aware of Emergency Assembly Point location.			
			Ensure all staff are aware of site fire plan.			
			No Smoking Allowed other than in designated areas.			

Pre-Control			Hazard: Noise	Residual Risk		
P	S	RR	Hearing damage	P	S	RR
4	4	16	Control Procedures	1	4	4
			All staff must wear the appropriate ear defenders in noisy areas.			
			Operatives must wear hearing protection at all times when the machine is in use.			

Pre-Control			Hazard: Ventilation	Residual Risk		
P	S	RR	Fatigue, Drowsiness - Lack of oxygen, Fire and explosion due to ignition of vapours and spilled liquid fuels	P	S	RR
4	4	16	Control Procedures	1	4	4
			Ensure adequate natural ventilation at all times.			

Pre-Control			Hazard: Vibration from cutting / grinding / drilling tools	Residual Risk		
P	S	RR	Muscular, Circulatory damage, Material damage.	P	S	RR
4	4	16	Control Procedures	1	4	4
			Ensure that all equipment used is of a low vibration specification and is checked before use.			
			Issue anti-vibration gloves prior to start of operation.			
			Minimise the time workers are exposed to vibration by job rotation, i.e. workers will be given rest periods or other tasks to perform.			

Pre-Control			Hazard: Contact with Hazardous Substances	Residual Risk		
P	S	RR	Death, injury, burns, breathing problems	P	S	RR
4	4	16	Control Procedures	1	4	4
			Wear correct PPE.			

Pre-Control			Hazard: Friction/Abrasion	Residual Risk		
P	S	RR	Burns, Bruising, Cuts.	P	S	RR
4	3	12	Control Procedures	1	3	3
			Ensure operatives wear suitable protective gloves to prevent friction burns and good grip when adjusting position .			
			Operatives have been ttrained and deemed competent to operate hand grinders.			
			Operatives must wear hearing protection when using hand grinders.			
			Operatives must wear safety goggles when using hand grinders.			

Pre-Control			Hazard: Manual Handling	Residual Risk		
P	S	RR	Muscular skeletal disorders - Twisting, Over-reaching, muscular problems, poor techniques load too heavy	P	S	RR
4	3	12	Control Procedures	1	3	3
			All site staff have received instruction and training in house for manual handling.			
			All staff have been trained in correct lifting methods.			
			Assess the best way to lift, with the maximum weight nearest the body.			
			Consideration will be given to the extent of repetitive actions and rest breaks planned and taken to allow recovery.			
			Ensure that the route to be taken while lifting is clear of any obstructions.			
			Staff must assess each manual handling situation and use mechanical aids for lifting where appropriate.			
			Staff must ensure the suitability of any mechanical lifting aid prior to its use.			
			Staff will not lift beyond their capabilities, and will seek help for any load they consider too heavy or hazardous to lift.			
			Team lifting to be used when loads are heavy or awkward.			
			The site foreman shall be responsible for identifying and controlling manual handling issues on site.			

Pre-Control			Hazard: Poor lighting	Residual Risk		
P	S	RR	Bruising, Cuts, Broken Limbs - Increased chance of Slips Trips and falls	P	S	RR
4	3	12	Control Procedures	1	3	3
			Ensure adequate visibility by use of low voltage or battery task lighting as necessary.			

Pre-Control			Hazard: Workshop machines	Residual Risk		
P	S	RR	Burns, trap	P	S	RR
4	3	12	Control Procedures	1	3	3
			Operatives are not allowed to use machines for which they have received no training or permission.			
			Operatives must be trained and deemed competent to use specified machines.			

Pre-Control			Hazard: Refreshment/ canteen facilities	Residual Risk		
P	S	RR		P	S	RR
4	2	8	Control Procedures	1	2	2
			Fridge provided to store own food.			
			Hot drink making facilities or drink machine available.			
			Refreshment facilities and rest room/ area available.			

Pre-Control			Hazard: Toilet and hand washing facilities	Residual Risk		
P	S	RR	Minor Injury	P	S	RR
4	2	8	Control Procedures	1	2	2
			Toilets are kept clean and well-aired. .			

Probability (P)	Severity (S)	Risk Ranking (RR = P * S)
1 Highly Unlikely	1 Trivial	< 1 - No Action Required
2 Unlikely	2 Minor injury	> 2 - Low Priority
3 Possible	3 Over 3 Day injury	> 8 - Medium Priority
4 Probable	4 Major injury or condition	>10 - High Priority
5 Certain	5 Incapacity or Death	>15 - Urgent Action Required

5.0 Required PPE



Ear Protection



Eye protection



Full Face Shield



Hand Protection



Overalls



Safety footwear

Sign Off Sheet

I have read and understood the contents of this Risk Assessment.

Anything I did not understand has been explained to me to my satisfaction.

I agree to follow the Risk Assessment and understand that any control procedures are provided for my safety and the safety of others.

Print Name

Signed

Date

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Dynamic Risk Assessment

Please note a copy of this Dynamic risk assessment must be returned to Head office complete with signatures.
 Tick items covered by the risk assessment, then list on the table below hazards and controls for the additional items involved on this job.

HAZARD	HAZARD	HAZARD	HAZARD	HAZARD	HAZARD	HAZARD
Access / Egress	Adverse Weather	Asbestos	Biological	Excavations	Exposure to Gas / Gases	Movement of Vehicles
Chemicals	Confined Space	Dusts / Particles	Electrical	Other Contractors	Limited Headroom	Moving Machinery
Lone Working	Fire	Fumes	Lighting	Flooding	Noise	Scaffold
Work at Height	Slips, Trips or Falls	Extreme Temperatures	Demolition Works	Work Near Water	Vibration	Wastes
Uneven Surfaces	Use of Ladders / Stepladders	Ventilation	Vermin / Weils Disease	Overhead Cables	Hidden Services	Manual Handling

ADDITIONAL TASK(S) OR HAZARDS NOT COVERED BY THE ORIGINAL RISK ASSESSMENT

Dynamic Risk Assessment (to be completed if a new significant hazard is identified when commencing work on site)								
Additional Hazards identified	Injury risk identified eg cuts, burns etc	Control measure adopted	Likelihood (L)	Severity (S)	Risk ranking (LxS)	Proceed (Y/N)	Supervisor signature	Client signature

- 15 - 25 = High Risk - STOP - advise your supervisor that the risk is high and seek further advice.
- 8 - 12 = Medium Risk - CAUTION proceed but take extra precautions
- 1 - 6 = Low Risk - PROCEED with task maintaining controls