

Item Hazard Report

Asset Information

Type	Microscope	Location	600 Waterdale Rd Heidelberg West, Vic.
Make	Mitutoyo	Model	B1-5
Serial Number		Sale – Asset ID	A-528-185

PLANT/EQUIPMENT SAFETY ADVICE TO PURCHASERS

The Occupational Health & Safety Regulations 2017 (Regulation 90) requires suppliers of plant and equipment to provide written advice to a purchaser as to condition of the item and any known safety hazards or concerns. The information provided in this report is based on a visual inspection only. No physical testing has been conducted (eg. Wire rope testing, stress testing, structural/non-destructive testing, noise testing, vibration testing, brake testing, insulation testing, etc.) The item described within this report is being sold in an 'as-is' condition with all identified safety hazards or concerns outlined within this report. Purchasers should conduct their own risk and hazard assessments to identify and control hazards prior to installing and/or using the equipment.

Potential Hazards

Category 1: Major Potential Hazards	
Specific warnings or conditions	Refer to any technical or operating manuals, safe use instructions that are made available
Entanglement	- Lack of guarding - PPE, Hair or other body parts caught in moving parts - Rotating parts
Crushing	- Falling, uncontrolled or unexpected movement of item or load - Item tipping or rolling over - Being trapped under or between the item, and/or fixed structure - Struck by moving parts



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Category 1: Major Potential Hazards	
Striking	▪ Item disintegrating ▪ Work pieces thrown out ▪ Moving parts
Explosion or loss of contents	▪ Gas, dust or vapour emissions ▪ Storage of haz chemicals/ DG's near item ▪ Collapse or fragmentation
Fire	▪ Friction ▪ Ingress of materials/fluids ▪ Build-up of materials/ lubricants ▪ Fluids / lubricants
Hazardous fumes or vapours?	▪ Hazardous chemicals/DG's from coolants
Dust	▪ Explosive atmosphere ▪ Breathing hazard ▪ Reduced visibility
Loss of load	▪ Materials falling or rolling from plant
Chemical	▪ Leaking from item ▪ Splashing ▪ Explosion



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Category 2: Moderate Potential Hazards

Pressure	- Hydraulic leak - Hydraulic system rupture - Fluid penetration of skin - Pressure control altered - Pressure limiter failure - Damaged hydraulic system
Electrical	- Lack of insulation - Contact with electrical conductors - Poor earthing - Water near equipment - Lack of isolation
Cut, stab, or puncture	- Lack of Guarding - Flying objects - Moving parts - Pinch points - Sharp edges
Shearing:	- Between - Two moving parts of the plant - A part of the plant and a work piece / fixed structure - A part of the plant and another object (e.g. plant or vehicle)
Abrasion, tearing or stretching:	- Between - A moving part - A moving surface of the plant - Material handled by the plant - Continuous contact with moving parts
Slip, trip, or fall?	Liquid spills or solid waste materials on floor / ground
Isolation of energy sources?	- Hydraulic pressure - Compressed gases - Electrical feeds/capacitors - Motive power systems - Suspended loads
Loss of power?	- Loss of electrical supply - Ability to lower suspended loads
Extreme temperature changes?	- Fire - Burns through conduction - Convection - Cryogenic burns - Fluids overheating due to lack of maintenance
Radiation?	- X-rays - EMR - Laser



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Category 3: Minor Potential Hazards	
Weather	- Wet conditions - Electrical storms
Vibration	- Plant becomes unstable - Causes physical problems for the operator whilst operating - Operation could cause unacceptable vibration levels in nearby structures
Noise	- Emit >85 dBA at the operator - Effects operator communication
Light	- At the controls - At the task - Darkens surrounding areas
Environment	- Co-located equipment - Isolation requirements
Operator training / qualifications	- Training requirements - Qualification requirements - Competency assessments - Documentation - Operator's manual - Equipment experience - Product knowledge
Manual handling	- Repetitive or sustained movements - Awkward positions - Strained movements - Poorly designed seating - Access for maintenance
Ergonomic - operating controls	- Difficult to understand - Function not identified - Inappropriate controls & switches - Labelling of controls and indicators

IMPORTANT NOTICE: It is recommended that this item be further tested, inspected or dismantled by the purchaser as necessary to assess any further hazards which are currently unknown. Under the Occupational Health & Safety Regulation 2017 it is a requirement for the plant owner, employer and operator to exercise a duty of care in the supply and safe operation of plant. Accordingly, before this item is used at any workplace it must be in a fully operational, safe and serviceable condition.

