



SAFE WORK METHOD STATEMENT (SWMS)

University of Technology, Sydney
P.O. Box 123
Broadway NSW 2007
Australia
Based on risk assessment no. 2083
www.orr.uts.edu.au/SWMS.asp?numQORAIId=2083

Work Activity Description:

Dobot Magician (aka. Brobot)

Residual Risk Level: LOW

Campus: City Broadway	Building : Building 11 FEIT	Room Number: AC_Heat transfer lab	Room Number: CB11.10.403
Supervisor: Gavin Paul	Faculty: Faculty of Engineering and Information Technology		
Assessor: Sanjid, Omar	Date Last Modified : 19th September 2019		
Review SWMS when change to work activity or at least annually. Change can be recorded on www.orr.uts.edu.au			

Review No:	1	2	3	4	5	6	7	8	9
Initial:									
Date:									

Hazards Relating to this Work Activity

Moving and rotating parts
Electrical Hazards - building and modifying electrical circuits
Electrical Hazards - exposed conductors - slip and trip hazards
Physical Hazards - objects might drop from end-effectors; end effectors might hold on to non-specified objects

CAUTION !

Risk of injury due to mishandling of moving and rotating parts, operating pressure vessels outside rated limits, contact with high/low temperature or electrically- live equipment. Fatigue may increase the risk of injury due to inappropriate responses to present risks or inappropriate responses to emergency situations.

Control Measure (Safety Equipment, Training, Signage and Information)

Remove Hazard Restricted Access Work in Pairs Supervision Test and Tag Electrical Equipment Safety Footwear Protective Clothing Emergency Stop Button

PPE Required for this activity



EYE PROTECTION

☐

FACE SHIELD

☐

CLOSED-IN FOOTWEAR MUST BE WORN

☒

LONG HAIR MUST BE CONTAINED

☒

HAND PROTECTION

☐

HEAD PROTECTION

☐

HEARING PROTECTION

☐

PROTECTIVE CLOTHING

☐

RESPIRATORY PROTECTION

☐

Emergency Equipment required for this activity



EMERGENCY EYEWASH

☐

EMERGENCY SHOWER

☐

EMERGENCY SPILL KIT INSIDE

☐

Work Activity Steps

All users must be inducted before being in touch with the Dobot Magician
Users must have there simulation checked by the supervisor before implementing it on the Dobot
Required PPE must be worn. Enclosed footwear are mandatory while working with the robotic arm
Setup all the components on/around the workspace as in the simulation
Switch on individual components to check if their working conditions are good-to-go
A test run with simple sets of commands

Print Names:	Signatures	Dates:
Sanjid Mahmood Hamim, Omar Malek	 Omar Malek	19/10/2019 19/10/2019

Any changes, addition or deletions made to this SWMS will be done in consultation with workers undertaking the activity

Supervisor: Gavin Paul

Signature of supervisor

Date: