VERSABUILT

VBX-160 PREVENTATIVE MAINTENANCE LIST

Freq	P.M. Activity	Instruction	Responsibility	MONTH / DATE 1–31
D	Wipe off each shelf	Remove any and all Chips/Debris		
D	Chip Build Up	Inspect CNC for excessive chip build up that could block the door		
BW	Replace water in waterfall bucket	Empty, rinse, and refill to cover the pump by 3 inches		
BW	Wipe Down Robot	Wipe off coolant residue from Robot, gripper fingers, and enclosure		
W	Wipe Down Robot Cell	Wipe Down Sheet Metal and Doors, Inside and Out		
W	Clean Monitor & Keyboard	Wipe down with damp cloth		
M	Check controller and computer area to verify liquid is not entering the box.	Seal enclosure if needed		
M	Inspect Door-Opener hardware on CNC	Adjust and tighten as necessary		
M	Inspect filter bag in dip bucket and replace if necessary	Empty dip bucket, remove filter from pump and replace with new filter		
M	Inspect Robot Cabeling	Visually inspect the control cabling between the robot and the robot control cabinet (IRC5)		
M	Visually inspect gripper harness	Inspect for worn cables or hoses. Ensure there are no pinched air hoses. Make sure zip ties aren't too tight. This may cause a sensor to pull loose.		
M	Clean gripper	Clean to ensure there is no build up of coolant, corrosion or chips.		
M	Zerk Fittings	Grease vise zerk fittings		
M	Soft Jaws	Inspect for worn or irregular wear on soft jaws		
M	Hinge block	Verify there is no excessive play in the hinge posts when latched		
M	IRC5 Moist Dust Filter	Clean the moist dust filter on the back of the IRC5 cabinet		
M	Sensors	Verify that Gripper, Door and Vise sensors are snug and activate at correct positions		

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Recommended ABB IRB1200 Robot Parts Replacement Schedule

Location	Description	Part #	6 Months	12 Months	18 Months	24 Months	36 Months	Notes
Gripper	Gripper Sensors (pre Jan 2018)	5001808		X				
	Gripper Harness with Sensors (post Jan 2018)	5002142			X			
	Gripper	5001771		X				
IRC5 Cabinet	IRC5 CMOS Battery	5003367					X	Reference ABB Maintenance Document 3HAC046983
	IRC5 Cabinet Moist Dust Filter					X		Reference ABB Maintenance document 3HAC021313-001 3.4.2
Robot Arm	Timing Belt on ABB Robot						X	Reference ABB Maintenance Document 3HAC046983
	Replace the ABB Battery pack						X	Reference ABB Maintenance Document 3HAC046983 3.4.1
VBX Enclosure	Pump Filter Bag	5001210	X					
	Wash Bucket Pump	5001218					X	
	Gate post parts	5000773			X			
Work Holding	Rotary Coupler O-Ring	Contact Versabult	X					
	Vise Sensors	M5 - 5002298 M8 - 5003040		X				
	Vise Cable "Y"	5002506		X				
	Vise Cable 5m extension	5002507		X				