



## Preventive Maintenance Contract – Robot

<b>Preventive Action</b>	<b>Year One</b>	<b>Year Two</b>	<b>Year Three</b>
Service Interruption	Minimal	Minimal	Full Outage
Mechanical unit:			
Inspect for external damage	X	X	X
Inspect for peeling paint	X	X	X
Check cable protective sleeves	X	X	X
Check for water	X	X	X
Check the mechanical cable	X	X	X
Check looseness of axis motors	X	X	X
Check exposed connectors	X	X	X
Tighten end effector bolts	X	X	X
Retighten external main bolts	X	X	X
Check safety circuits	X	X	X
Remove spatter and dust	X	X	X
Check end effector hand cable	X	X	X
Replace Batteries	X	X	X
Replace Grease:			X
J1-axis reducer			X
J2-axis reducer			X
J3-axis reducer			X
J4-axis gearbox			X
J5-axis gearbox			X
J6-axis reducer	X	X	X
Replace cable of unit			
Verify I/O	X	X	X
Create backup	X	X	X
Check teach pendant (TP)	X	X	X
TP cable inspection	X	X	X
Record master counts	X	X	X
Check mastering, zero position	X	X	X
Update Quickmaster values	X	X	X
Record servo on hours	X	X	X
Controller:			
Check robot cables	X	X	X
Clean the ventilators	X	X	X

Note: Additional charges will apply if travel time to facility is greater than one hour from Arzell, Inc.