

Toll Free Phone (877) SERV098 www.electromate.com sales@electromate.com



MACHINE TENDING SOLUTION

Automation should simplify your life. Not make it more complicated.



START PRODUCTION FASTER



ROBOTIQ

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Keep chips flying

Getting robots up and running is complex and can leave you feeling overwhelmed. With the Machine Tending Solution, we deliver peace of mind that your machines will always keep running through accessible automation.





Increase your machine's capacity and reduce downtime

with an easy to use Robotiq solution that does the work for you.

Create programs 75% faster than with traditional programming, thanks to guidance on setting key waypoints and simple action menus.



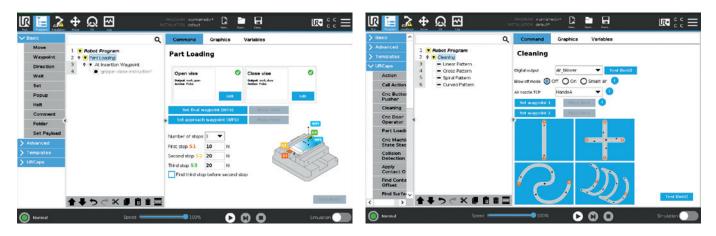
SET KEY WAYPOINTS

Once they're set, they become reference points for your operations.

Basic ^	1	0	٤.	Command	Graphics	Variables				
Advanced	1	T Robot Program								
Templates	2	• Machine Tending		Machine Tending						
URCaps	Э	 Execute Actions 								
Action	4	 Call pick_blank 		Key Waypoints neighbour distance: def = 0.8 min = 0.05 mix = 1.5						
	5	- Call load_blank			1					~
Call Action	6	 Call close_door 		above_infeed		Edit waypoint	Move to		0.8	
Cnc Button	8	 Call clean_part 		above workho	lding [Edit waypoint	Move to		0.8	
Pusher	9	 Call unload_finished_part Call clean workholding 		above_workho	ang	For mayboard	Move to		0.0	
Cleaning	10	- Call place finished part		above_outfeed	F	Edit waypoint	Move to		0.8	
Cnc Door	. 11	- Callopen door				con a appoint	101010			
Operator	12	• Teach Actions	1	at_door_opene	d [Edit waypoint	Move to		0.8	
Part Loadk	13	• v pick blonk						-		
Cnc Machi	20	· · load blank		at_door_closed		Edit waypoint	Move to		0.8	
State Stac	25	close_door					12			
Collision	28	• v open_door								~
Detection	31	 unicad_finished_part 								×
Apply Contact O	38	 place_finished_part 		Add key waypole	14					Delete
Find Conta	45 49	 dean_part 		Teal						
Offset	49	clean_worldholding		Trail (Recorded po	ants: 05)		-			
Find Surfa				Start recording		Ciear all				1
>										ROBOTH

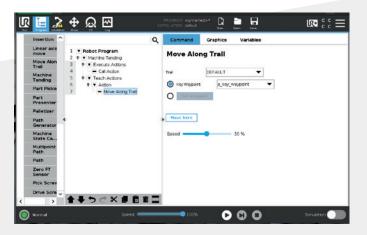
2 REFINE OPERATIONS

Use our action menus and adapt the solution to your needs.



3 CREATE YOUR SMART MOVES

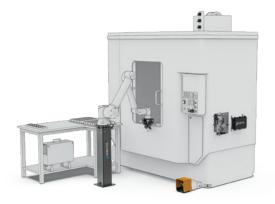
Machine Tending Copilot creates optimized movements between your key waypoints, finding the best path through the pre-defined flyzone and automatically avoiding collisions within the workcell.



IT COULDN'T BE EASIER!

Instead of hard-wiring the machine like with traditional automation, our communication modules are non-invasive and do not require installation by certified technicians

The solution can be deployed in 2–3 hours.





Press buttons on the HMI



Monitor machine status



Control workholding

	Single gripper	Double gripper			
System core	Machine Tending Copilot software Robotiq MT controller Pneumatic panel Button Activator Air nozzle kit				
Gripper	Hand-E adaptive gripper MT fingertips starting kit	2x Hand-E adaptive grippers 2x MT fingertips starting kit Dual bracket + New compact dual Hand-E bracket			
Machine interface	Stacklight detector Footswitch activator (if lathe)				
Add-ons	Robotiq Wrist Camera Robotiq adjustable pedestal				

Robotiq Wrist Camera (Optional)



Ideal for faster blank programming and picking parts in an unstructured environment.

- CAD file import teaching (.dxf)
- Automatic part teaching (user defined arbitrary shape)
- Parametric part teaching (circle, ring, square, rectangle)
- Edge editing, object color and clearance validation
- Automatic and manual camera parameters: exposure, focus, LED lighting, white balance

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