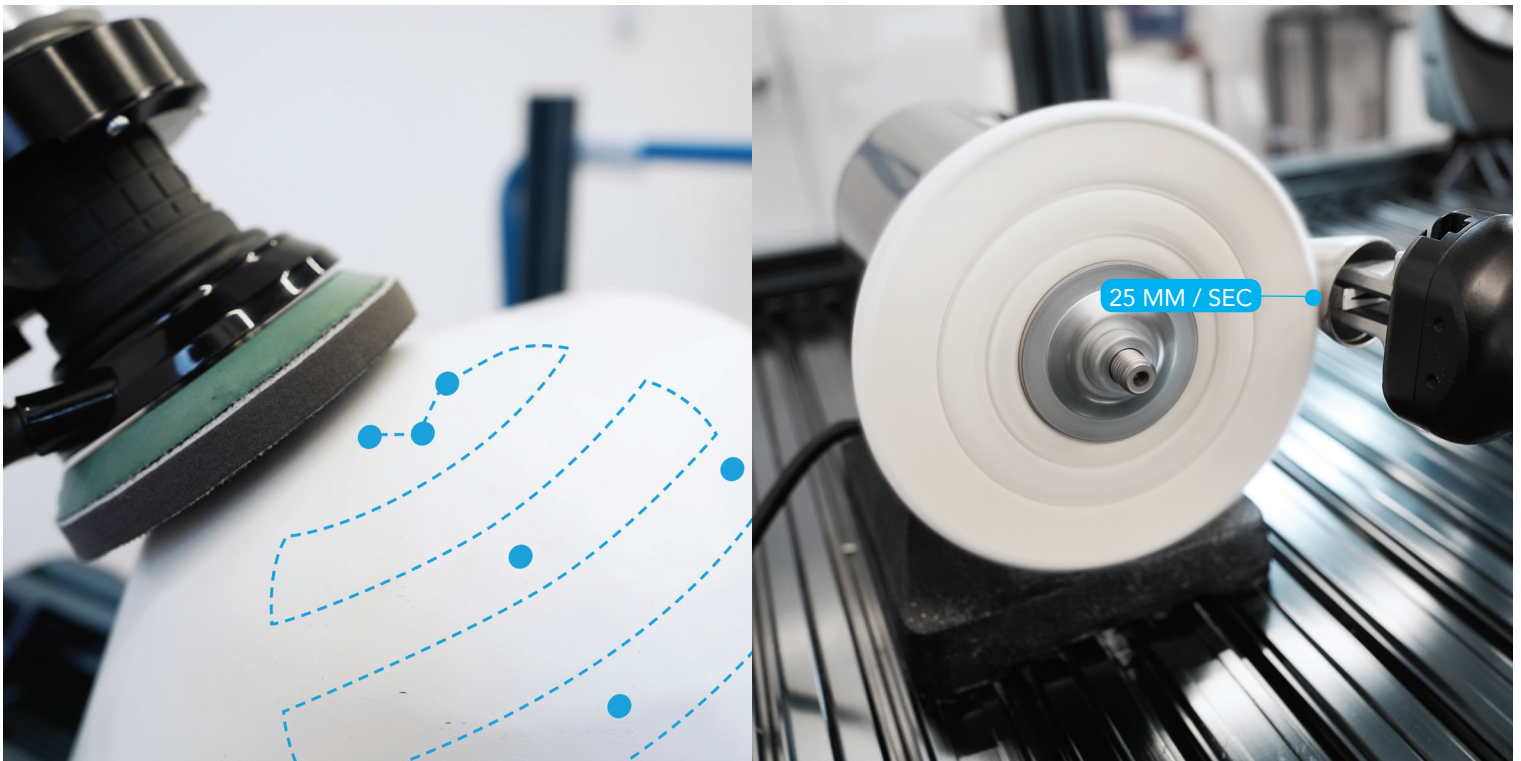




## **FINISHING** COPILOT



### **A SOFTWARE MADE FOR FINISHING APPLICATIONS WITH UNIVERSAL ROBOTS**

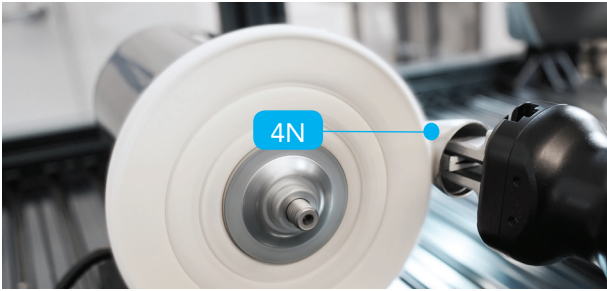
- **Save hours of programming**
- **Generate finishing trajectories in minutes**
- **Compensate for external tool wear**
- **Set an external tool center point**
- **Operate with any level of expertise**

**START  
PRODUCTION  
FASTER**

Watch our case studies at  
[robotiq.com/casestudies](https://robotiq.com/casestudies)

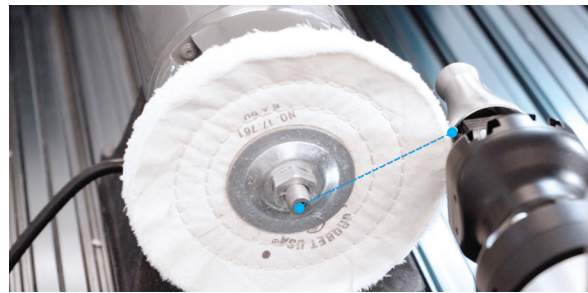
# AUTOMATE FINISHING TASKS THE EASY WAY

## PART TO PROCESS



### SET EXTERNAL TOOL CENTER POINT

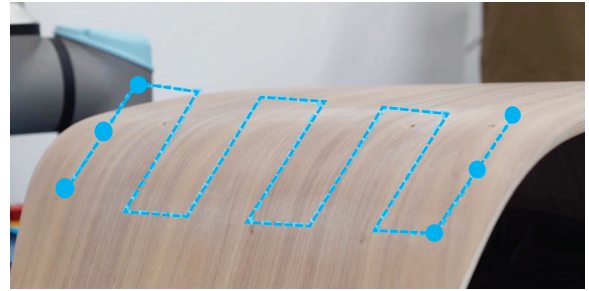
Finishing Copilot lets you program an external TCP. This tells the robot that the finishing tool is external to the robot, unlike in most collaborative robot applications. The finishing task is then processed with the robot bringing the part to the external TCP.



### COMPENSATE FOR TOOL WEAR

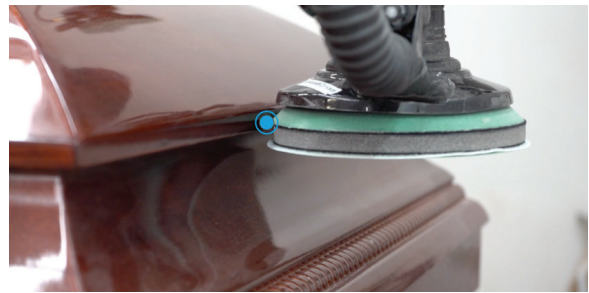
The contact offset node uses a point on the external tool as a reference to measure wear. Contact offset validates the tool's exact position anytime you wish. If there's a slight change, the robot program automatically adapts all related parameters.

## PROCESS TO PART



### GENERATE A FINISHING PATH IN MINUTES

Program complex finishing trajectories by teaching fewer than 10 waypoints. Whether it's on a flat (4 waypoints), curved (6 waypoints), or spherical (9 waypoints) surface, Finishing Copilot generates a complete path and applies consistent force at each cycle.



### VALIDATE PART POSITION

The contact offset node uses reference points on the part to validate its position. If there's a slight change, the robot program automatically adapts all related parameters.

## OTHERS FEATURES

- Find a surface
- Perform various insertions
- Hand-guide your robot
- Follow complex trajectories

- Edit point-to-point trajectories
- Apply constant force and define the stiffness for each axis
- Reset sensor values to zero

## WHAT'S NEXT?

Get access to the Sanding Kit specifications at [support.robotiq.com](https://support.robotiq.com)

For further information  
[support.robotiq.com](mailto:support.robotiq.com)  
[iss@robotiq.com](mailto:iss@robotiq.com)  
1-888-Robotiq

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