

eProject4 invests in spindle tool calibration to boost robot productivity with the RCS P-series



An automatic process with immediate results



Saves time on post-collision recovery



Background:

eProject4 is an engineering company headquartered in Berga (Barcelona, Spain), focused on robotics and industrial process automation. It specialises in robotic machining and deburring of parts for companies in sectors such as automotive, aerospace, sanitation, and food and beverages.



Challenge:

The process to locate a robot tool centre point (TCP) requires the intervention of a specialised technician. This typically involves a fully manual, often inaccurate process. It is based on human visual estimation and can cause unnecessary downtime of hours or days.



Solution:

With the addition of RCS probing, the new calibration process for spindle TCPs allows eProject4 to launch tasks automatically with immediate results. Identifying the accurate location of tools and parts avoids incorrect machining, which reduces potential costs and increases the robot's productivity.



Integrating the automatic TCP calibration system is very simple and straightforward, as the sensors are installed and connected through fast inputs in the robot controller.

eProject4 (Spain)

