



CAPTRON

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HQ / Sales Germany
CAPTRON Electronic GmbH

Johann-G.-Gutenberg-Str. 7
D - 82140 Olching
Fon: +49 8142 - 44 88 - 160
sales@captron.com

www.captron.com



**Automatic Calibration
of Tool Center Points**



UNIVERSAL ROBOTS
UR+ Partner

Automatic calibration of Tool tips for maximum efficiency and precision in robotics.

In many robot applications, such as dispensing or welding, the tool is constantly changing due to wear or deformation.

As these applications often rely on the highest possible accuracy, it is necessary to regularly check and calibrate the tool center point (TCP) of the tool, e.g. after a tool change, after each maintenance, at the beginning of a work shift or even after each process cycle.

The recalibration should occur automatically. This minimizes downtime, reduces scrap and rework, and increases the quality of the produced products.



Increasing accuracy and quality

Regular TCP inspection and calibration ensure the highest precision of robotic applications.



Reduces scrap and rework

Precise calibration minimizes errors, collisions, and deviations in the production process, thereby reducing waste and rework.



Minimization of downtimes

An automatic control and calibration process reduces production interruptions.

Inquire now
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