

BizLink



Calculation & calibration of robotic tools and fixtures in up to 6 dimensions





- **>** Modern look & feel > Illustration of more than 3 corrected values
 - **>** Direct display of field bus status



ADVANTAGES

- Automatic absolute calculation of robotic tools and fixtures
- Ease of commissioning and use
- Simplified Integration

in the production line due to small footprint

- Robust precision infrared sensor available in three sizes
- Multi-sensor-system

Connection of additional sensors possible

- Network connection of the calibration system directly to the robot controller, i.e. the calibration procedure takes place in an evaluation unit and transfers correction values to robot controller
 - > High process reliability
 - > No additional PC's required
 - > Logging and data evaluation possible
- Automatic correction of the trajectory

due to wear and tear or tool-replacement

- > No failures caused by positioning factors
- > 100 % quality assurance
- Reduction of costs
 - > Prevents the production of defective parts
 - > Reduces scrap and rework
 - > Short setup times

The challenge for the calibration system >

Continually securing the correct operating position for robotic tools

advintec® TCP - our solution for your requests >

The advintec® TCP tool calibration system calibrates the tool and fixture in up to six dimensions in the ongoing production process

- Electronic, precise and fast
- Simple solution for 2D and 3D applications

The tool is automatically corrected by the measured offset and thus always operates at the correct position.





Choose your calibration system >



advintec® TCP

Highest flexibility for upgrades and activation of various applications in up to 6D

cabinet Fieldbus Power supply 24 V DC







Applicable for

advintec® TCP XS

Simple solution for 2D and 3D applications

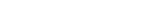
Calibration time

3 sec. 9 sec complete 2D calibration

Measuring accuracy

0.02 mm

advintec® TCP sensors



Available in three sizes (inner dimensions)

- Order no. TCP0008 > 120 x 120 mm
- Order no. TCP1008 > 240 x 240 mm
- Order no. TCP2008 > 320 mm round

advintec® TCP precision laser sensors

Available in two sizes (inner dimensions)

- Order no. TCP3008 > 120 x 120 mm
- Order no. TCP4008 > 320 mm round

advintec® TCP XS sensor

Available in 120 x 120 mm infrared



Mobile calibration case

For the initial calibration of unknown tools and fixtures (TCP & Base).

Flexible, mobile calibration for unknown tools and fixtures is now also possible with our mobile calibration case.

Ideal for use when setting up new production lines.



Please scan for technical details