

advintec[®] TCP advintec[®] TCP XS

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



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

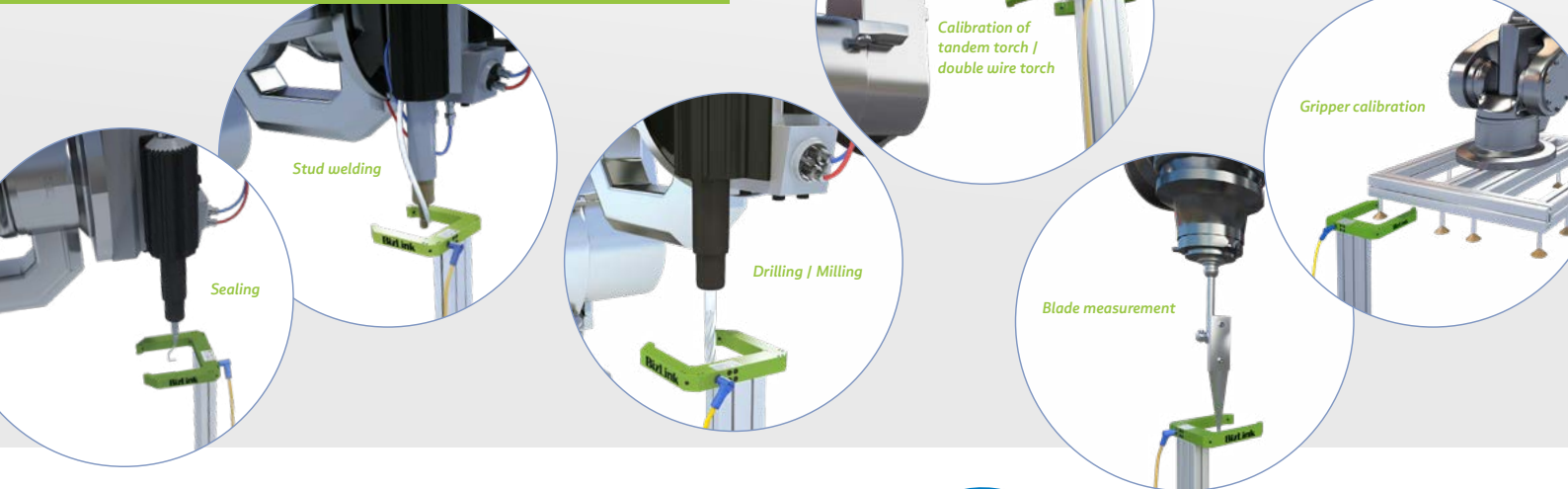
advintec[®] TCP – our solution for your requests ›

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.

For your applications >



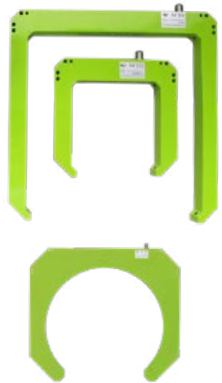
Choose your calibration system >



Applicable for all robot brands fast & simple

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

advintec® TCP XS
Simple solution for 2D and 3D applications



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