Advantages at a glance

- 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
advintec® TCP & advintec® TCP XS
Our calibration systems

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

advintec® TCP XS
Best price for simple 2D or 3D applications

The challenge
Continually securing the correct operating position for robotic tools

The solution
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 application – low-cost solution
The tool is automatically corrected by the measured offset and thus always operates at the correct position.

Important information:
advintec® TCP Basic 3D kit can be extended via activation codes for additional applications at a later stage.
advintec® TCP XS can not be extended by activation codes.

TCP XS 2D kit incl. standard IR sensor
TCP XS 3D kit incl. standard IR sensor
TCP basic 3D kit incl. standard IR sensor*
TCP 5D kit incl. standard IR sensor
TCP 6D kit Gripper incl. standard IR sensor
TCP 5D kit Milling incl. standard IR sensor
TCP kit Stud Welding (ext. x-y mode) incl. standard IR sensor*
TCP 5D kit Gluing – Hook Nozzle incl. standard IR sensor
TCP kit Arc Welding – Tandem Torch incl. standard IR sensor*
TCP kit Cutting Tool Blades incl. standard IR sensor
TCP kit Initial Tool Calculation – “all in” incl. standard IR sensor
TCP kit Automotive Body in White incl. standard IR sensor
TCP kit Automotive Powertrain incl. standard IR sensor
TCP kit Automotive Paint Shop incl. standard IR sensor

* Upgrade to 5D possible via additional activation code