

Metrolog X⁴ i-Robot

Inline Robotic Inspection Solution

Flexibility & Productivity Serving Metrology in the Production Line



The Metrolog X4 i-Robot technology is suitable for all industrial robots; it provides a production-ready metrology solution that is accurate, reliable and flexible. Metrolog X4 i-Robot is perfectly suited for all applications requiring flexibility and productivity while providing high metrological accuracy.

- Measuring accuracy fully independent of robot's positioning precision.
- Robot movements perfectly synchronized with measurement.
- Robot trajectory entirely controlled by Metrolog X4 i-Robot part program.

The Metrolog X4 i-Robot measuring system is based on a high speed acquisition laser scanner or a touch probe attached to a multi-axis robot wrist. The robot, of any type or brand, without specific accuracy, behaves as a simple tool holder.

The measuring accuracy is provided, either by a separate tracking camera following the laser sensor box equipped with positioning LEDs, or by a laser tracker system.

The main applications can be found in the automotive, aerospace and their sub-contractors, for the in-line manufacturing metrology control.



