



AIRTRACK ROBOT Robotic optical measurement

- ▶ For all industrial robots
- ▶ Accuracy independent of robot precision
- ▶ Contact and non-contact measurement

AIRTRACK ROBOT

THE FIRST ALL-IN-ONE TOUCH AND SCAN
ROBOTIC INSPECTION SOLUTION

Kreon®

AIRTRACK ROBOT - ROBOTIC MEASUREMENT

Airtrack Robot is perfectly suited for applications requiring flexibility and productivity. It is a fully integrated solution that helps to reach the target of numerous parts controlled each day with efficiency and low maintenance level.



**INLINE
AUTOMATED
SOLUTION**
for any kind of robot

▶ PRODUCT ADVANTAGE

Kreon scanners reliability

- High accuracy on any kind of material, even on shiny surfaces
- Touch probe under the scanner for contact measurement.
- Compactness enabling data acquisition on complex shape parts with hard-to-access zones
- Measurement accuracy fully independent of robot precision due to AirTrack tracker
- Temperature compensation
- Point cloud settings and optimisation due to AQC

Performed by Metrolog X4-i-Robot

Metrolog X4 i Robot is a fully automated solution, integrating optical CMM, 3D laser scanner, robot and Metrolog software.

- Full control of robot directly from Metrolog X4, programming robot trajectories directly from the CAD model
- Complete flexibility when part is modified; simple update of the trajectory inside Metrolog X4
- No need for cyclic robot calibration
- Virtual scan datas to configure measuring range

SCANNERS

	Solano Blue	Zephyr III
Max Speed	50 000 pts/sec	600 000 pts/sec
Accuracy	25 µm	14 µm
Field of View	From 100 to 200 mm	From 85 to 195 mm
Laser class	2M	2M

Please contact us for other scanners specifications

▶ MAIN APPLICATIONS

- Dimensional analysis
- Quality control
- CAD comparison
- Flush and gap control

TRACKERS

Model		Zone	Location	95%CI
1000 2000 3500		Zone 1	1.5m to 3.0m	70µm + 2.5L/100
		Zone 2	3.0m to 4.5m	80µm + 2.5L/100
		Zone 3	4.5m to 6.0m	95µm + 2.5L/100
		Zone 4	6.0m to 7.5m	170µm + 2.5L/100

