**Future-proof flexibility**

Easy adaptable to model changes,
full car body coverage

**Consistent paint quality**

Significantly reduced defect slip

**Streamlined repair**

Efficient repair with high-precision data,
saving time and labour



Car Paint Vision

Fully automated surface inspection
for stop & go or moving line conveyor mode



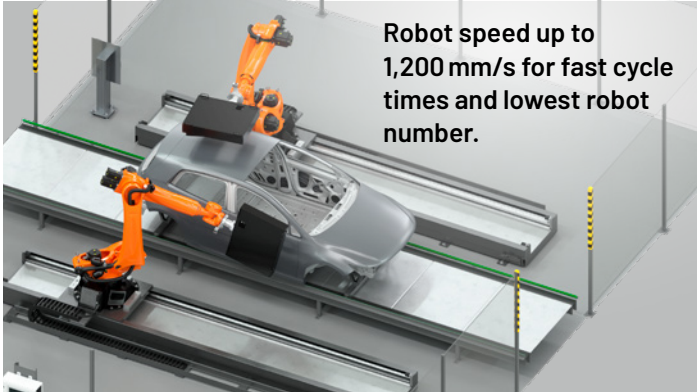
ISRA
VISION

■ Part of Atlas Copco Group

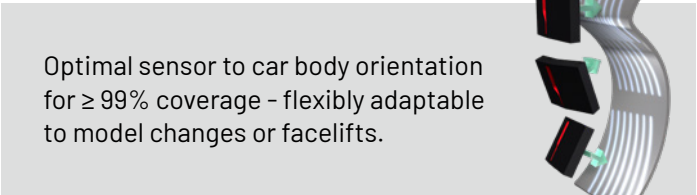
Car Paint Vision – Future-proof efficiency, consistent quality

Car Paint Vision is a future-proof, AI-powered inspection system that ensures consistent paint quality across all vehicle models. It detects even the smallest defects, enables fast cycle times, adapts to model changes, and reduces defect slip, rework effort, and recourse claims.

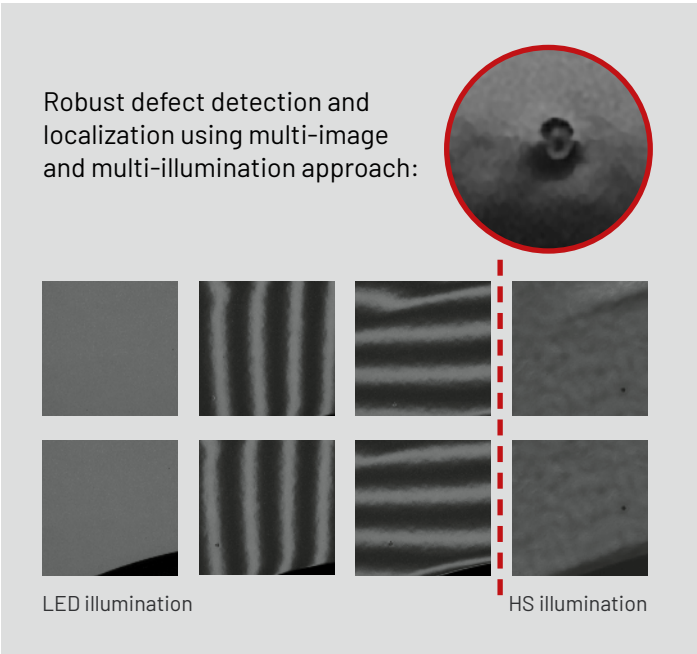
Lean setup



Best flexibility and maximum coverage



High-end inspection technology



KEY FEATURES

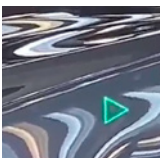
- **Superior inspection technology:** Multiple illumination methods and defect views combined with advanced AI-based detection
- **Maximum coverage up to ≥ 99%** through optimal sensor-to-car body alignment
- **Fastest robot-based inspection system**
- **Lean setup:** Smallest number of robots
- **Fastest integration:** Powered by digital twin, sensor simulation, and AI support
- **Supports top-coat, primer, and E-coat inspections:** Comprehensive quality control

	Paintscan Hybrid X EC (E-coat, primer)	Paintscan Hybrid X (Top coat)
Scan frequency	400 Hz	480 Hz
JPH with 2 robots / 3 robots	Typ. 50 – 60 / typ. 60 – 70	
Vibration tolerant	Yes	
Station: min. width / length	5 m / 6.5 m	
Conveyor modes	Moving line, stop & go	

BENEFITS

- Consistent paint quality across all models, variants, and colors
- Significantly lower recourse claims through minimal error slip
- Future-proof: Flexible adaption to model changes and facelifts
- Efficient automated and manual repairs enabled by accurate defect localization and visualization

COMPLETE SOLUTION PACKAGE



Finish area options:

- **Laser marking of defects** shows finish operators exact defect locations.
- **Defect visualization** for finish area monitors gives finish operators a precise overview of all defects.



Evaluation and reporting

Quality documentation and process statistics drive continuous process optimization