

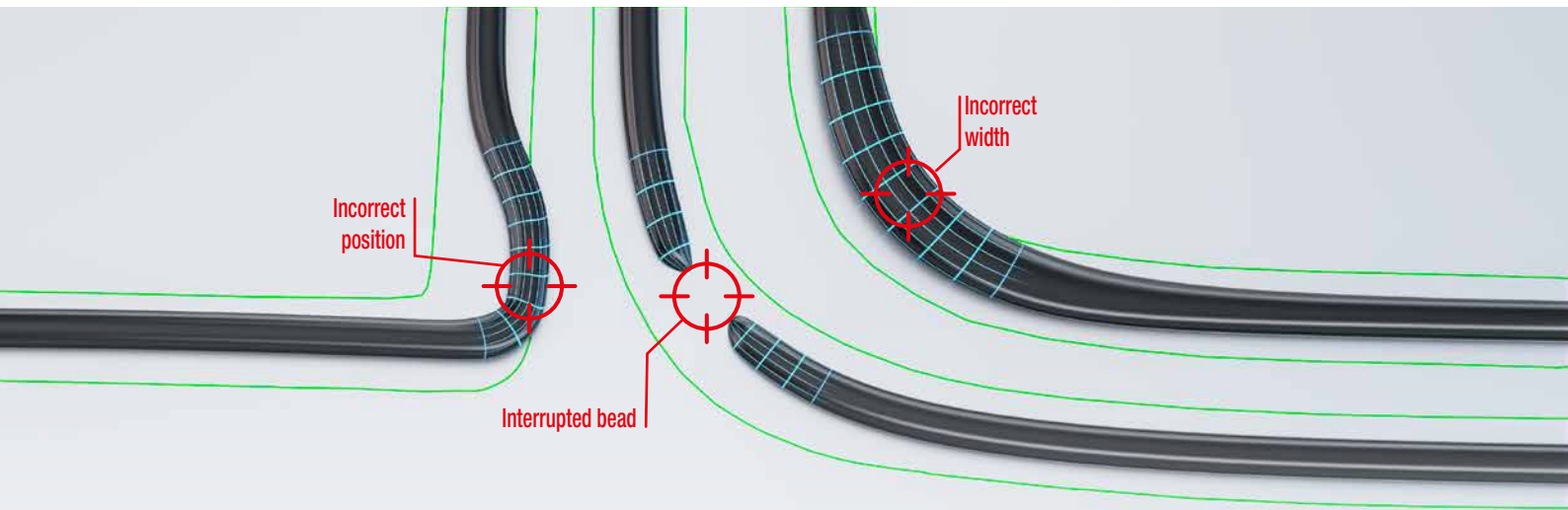
# RTVision.t

High quality in-line bead inspection  
for industrial dispensing applications

QUISS

ISRA  
VISION

# RTVision.t – 100% real-time inspection for safety

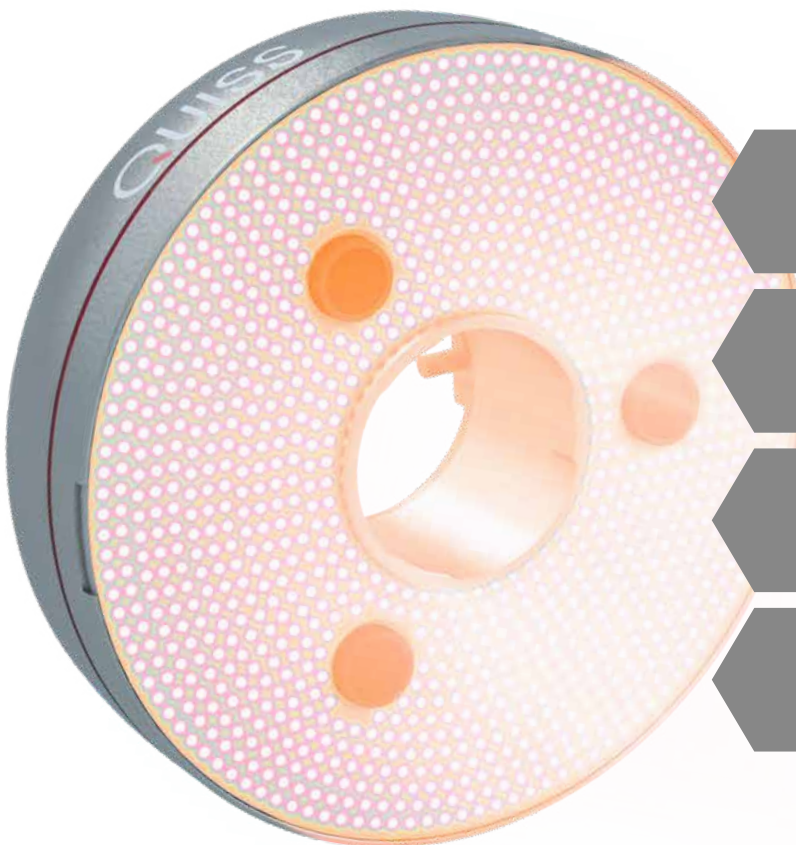


Quality and productivity is a major focus in car manufacturing. Both need to be kept high – all while staying on budget.

The Quiss RTVision.t is a reliable solution for high quality bonding applications within your set cycle time. Reduce quality costs at high productivity levels.

This system solution works with all application patterns such as bead, stitch-bead or swirl for all types of adhesives and surfaces. It allows a 100% visual inspection with a simple and fast set up.

- ±0.1 mm** accuracy in position
- ±0.1 mm** accuracy in width
- ±0.5 mm** accuracy in adhesive gaps



- In-line monitoring immediately detects quality issues without additional cycle time
- High image processing frequency allows high productivity levels with robot speeds up to 600mm/s
- Repair function enables automatic corrections of unwanted bead interruptions
- 360° coverage of the application ensures 100% bead inspection

# y critical applications

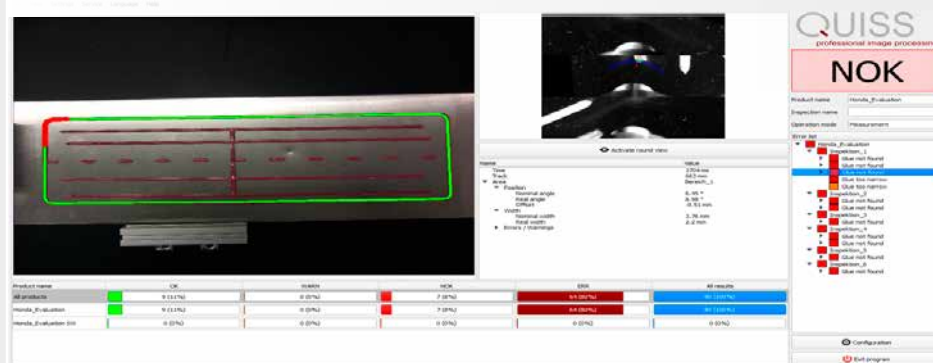
## Reliable bead inspection

Safety critical, structural bonds are highly demanding processes in BIW production. This is why a reliable bead inspection is crucial. The Quiss RTVision.t detects errors in width, position and continuity of the bead, providing direct feedback allowing immediate reaction.

## Full performance without any compromises

Not only applications in BIW production call for quality assurance solutions. Battery assembly comes with challenges such as air bubbles or bead accuracy, which have a significant impact on the performance and lifetime of the battery application's result. The RTVision.t ensures full conductivity and heat dissipation between modules and cooling plates for a long lasting battery.

Different application patterns such as bead, stitch bead or swirl can be processed. As the lightning color can be chosen individually, the system is able to detect any material color with highest contrast quality.



## How it works

During application the adhesive bead is accurately inspected and any deviations in continuity, width or position are reported to the system – precisely, with no additional cycle time.



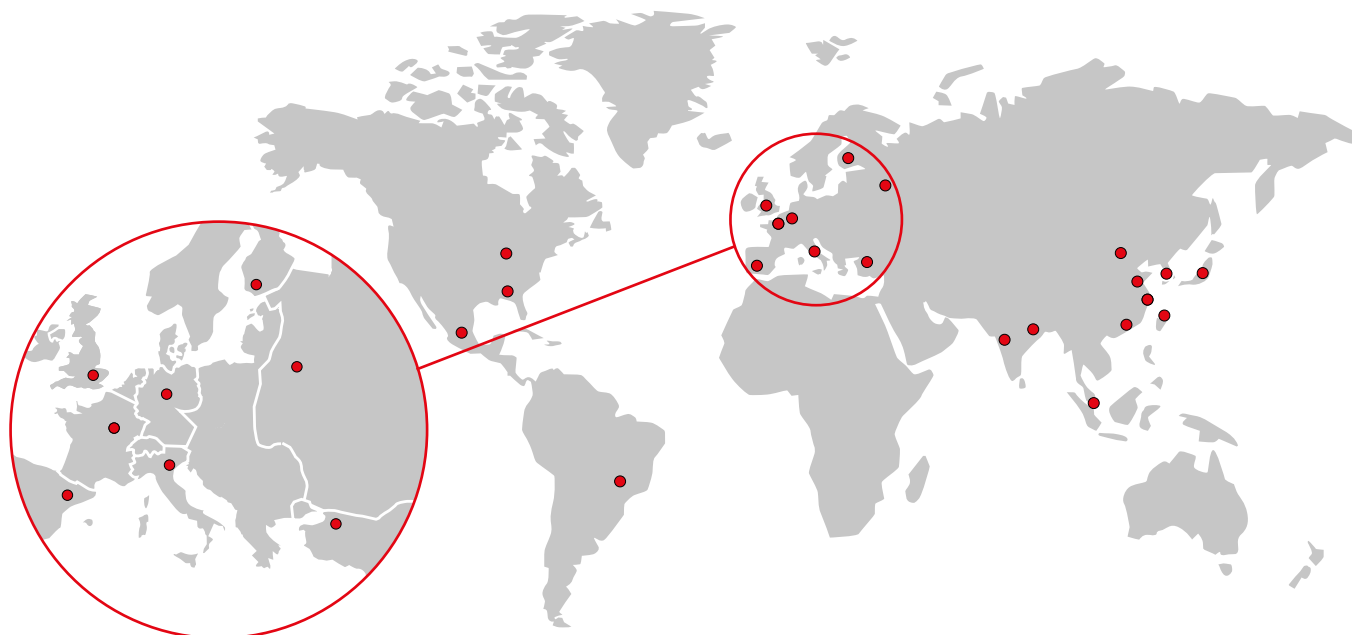
## Quality and profitability with the RTVision family

With our 30 years experience in image processing and adhesive bonding, we offer a range of visual quality inspection products and solutions for both off-line and in-line inspections. We ensure the optimal inspection of all conventional adhesive and sealant application types and colors. Your individual manufacturing process and specific needs determine your choice of solution. Increasing quality and profitability in your manufacturing process.

### Sensor variants

	<b>RTVision.t</b> Standard variant	<b>RTVision.tr</b> Integrated bead repair functionality
Robot speed	up to 600 mm/s	up to 600 mm/s
Working distance	75 mm – 230 mm	75 mm – 230 mm
Accuracy in position	± 0,1 mm	± 0,1 mm
Accuracy in width	± 0,1 mm	± 0,1 mm
Accuracy gaps	± 0,5 mm	± 0,5 mm
Sensor dimensions	45 mm , Ø152 mm	45 mm , Ø152 mm
Inner diameter	Ø28 mm, Ø45 mm	Ø28 mm, Ø45 mm
Weight	620 g	620 g

# Innovations for robot-based automation



## Automation at the highest level

ISRA VISION has been a leading provider of high-performance quality inspection, robot guidance, and manufacturing logistics for more than 30 years. The portfolio expansion with the proven QUISS inspection systems provides you with perfectly aligned automation solutions across the complete process chain.

Already globally proven, innovative QUISS technologies ensure seamless quality assurance and unleash significant potential for greater efficiency in assembly processes - while delivering a quickly realizable return on investment.

Our solutions consistently align with the requirements of our customers. We also support you after delivery with seamless support for service and maintenance so that the utilization of your systems and equipment sustainably increases productivity.

At our facilities in Europe, North and South America, and Asia, more than 900 employees are committed to your success.

## QUISS - the expert for adhesive bead inspection

The combined portfolio of ISRA and QUISS complements each other perfectly. QUISS has a distinctive competence in the automotive sector as an expert for adhesive bead inspection, regardless of the adhesive or surface type. Customers prefer QUISS systems for the following reasons:

- Our systems are deployed by all the world's leading vehicle manufacturers, with over 5,000 systems running in the adhesive bead inspection application. More than 100,000 km of adhesive beads per day are inspected by the systems.
- With our RTVision product family, we offer a solution for all inspection tasks during or after the adhesive application. The system can be installed in all production areas from the press shop to final assembly and across all applications - offering automation and quality assurance from a single source.
- The systems can be individually tailored to your application. You will achieve a return on investment within one year on average.

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