

VMT BeadMap RTI

Ready-to-integrate 3D bead inspection for real-time quality control

Simple & fast integration

100% seam inspection in real time

Precise 3D geometry analysis

Stable processes & minimised risk



Solution Excellence for Your Vision

VMT
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Precision. Control. Process reliability.

VMT BeadMap RTI inspects the quality of adhesive and sealing seams in real time and ensures consistently reliable production. Through precise 3D analysis, the system detects deviations immediately and enables a direct response during the ongoing process.

Seamless control

Reliable monitoring of seam continuity throughout the entire process, with reliable detection of defects and breaks.

Precise geometry

Precise measurement of the bead's width, height, cross-sectional area and position.

High process stability

Continuous 3D evaluation ensures stable processes, reproducible quality and minimised risks.

Scalable system variants

Three variants for different component sizes and applications – optimally tailored from fine to large-scale.

Ready-to-Integrate

Maximum focus on simple integration.

Plug & Play

Pre-configured hardware and software drastically reduces on-site engineering effort.

Scalable

Standard interfaces ensure seamless system and IT integration.

Integrator Friendly

Specially developed for extremely fast commissioning.



System design

VMT BeadMap RTI is designed as a fully integrated system and, in its **standard scope of delivery**, includes all components required for fast and reliable commissioning. These include a high-resolution 3D sensor and a powerful industrial PC with integrated TCP/IP and MQTT interfaces for seamless communication. Pre-installed software enables immediate use, whilst a validation body supports the simple and secure setup of the system.

Optional extensions allow flexible adaptation to specific requirements and operating conditions. These include a touchscreen monitor for convenient operation directly at the plant, as well as pre-configured ProfiNet or EtherNet/IP interfaces for easy integration into existing control environments.

Robust protective housings and customised robot cable sets are also available for industrial use. In addition, a suitable mounting bracket for the sensor can be provided to ensure optimal positioning within the process.

Solution Excellence for Your Vision

VMT Vision Machine Technic Bildverarbeitungssysteme GmbH is a world-leading automation partner for turnkey image processing and multi-sensor system solutions. With our own hardware and software, state-of-the-art technology and indepth application expertise, we deliver bespoke solutions – for maximum precision, efficiency and process reliability. As the centre of excellence within the Pepperl+Fuchs Group, we combine innovation, quality and investment security – for automation solutions that drive your production forward in the long term.

www.vmt-systems.com

Subject to change

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