Focusing on what matters

Create inspection programs simply

You can partially automate the creation of an inspection program by using a reference run. During this process, for example, the transfer of the seam ID and image-specific parameters can be automatically generated.

This is simpler and makes your process less prone to errors, allowing you to focus on the customized teaching-in of quality criteria during commissioning.

In addition, it is easy to select standard weld types using pre-made templates.

By averaging inspection results for selected parts, it is possible to make an automated calculation of target values and inspection thresholds. As a result, inspection limits can take permissible fluctuations into account immediately during the production process.
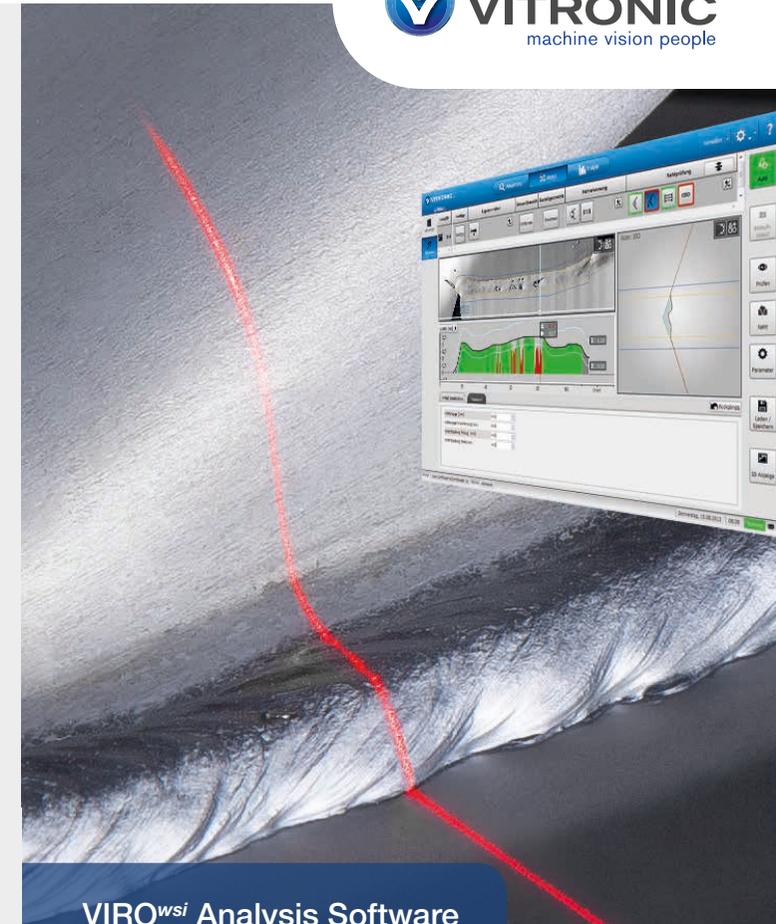
Efficient configuration – more production!

Are you looking for an efficient, tried and tested solution to automate seam inspection and optimize your welding processes?

We are happy to help you find and integrate the best VIRO*wsi* seam inspection system in your production process.

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VIRO*wsi* Analysis Software

Camera-based 3D seam inspection

Optimize automated welding processes using database-supported evaluation functions for inspection results

The benefits of VIRO^{wsi} configuration:

Thanks to the ability to configure values during production, system downtime is minimized in the production process. Parameter modifications are adopted immediately into the next system cycle, increasing your production output and reducing system downtime.

User-friendly configuration

First level

» Structured overview of the entire inspection procedure for a part

» Result overview of the individual inspection methods for each seam

Second level

» Direct access to all inspection parameters for the inspection method to be optimized

» Graphical configuration of parameters and numeric fine-tuning allow for quick orientation and parameter modifications

You can update your parameters with an offline test that uses referenced data from the database. In this way you can evaluate the impact of the parameter modifications before activating them for production.

Reduce reworking time and Quick intervention

Database-supported analysis and documentation of production and process quality

VITRONIC's VIRO^{wsi} software helps you immediately detect defects. Defect verification is displayed using meaningful 3D visualization. Adjustments to inspection limits and targeted process optimization actions can be implemented promptly and quickly, resulting in increased productivity and improved product quality.

Part-related acceptance/rejection distribution: differentiation according to part type, part version, and welding stations.

Seam-related defect distribution: presentation of all defects detected during a selected period and/or for a selected part. Detailed display of the distribution of a selected defect type.

Customized selection of the display period, e.g., hour, day, month, or shift.

Part list: list of all inspected parts including part number and time stamp. Here you can view seam-related individual results for a selected part in 3D as well.

Detected defect types: percentage-based representation of the defect type and its distribution according to part or in relation to the seam.