



# SOLUTION PROVIDER

VisionTools - 35 years of expertise in  
industrial image processing solutions



# Control, Identification, Handling

VisionTools is one of the leading system houses for industrial image processing. Based on an extensive product range, we offer powerful and efficient systems for all areas of industrial manufacturing technology, supported by state-of-the-art image analysis technology and robotics.

Controlling shape, dimensional accuracy as well as the completeness of assemblies and counting objects are standard tasks of industrial image processing, which VisionTools can handle.

Part variants can be optically distinguished on the basis of their different geometric features and thus clearly identified. Our self-developed software V60 is also equipped to read plain text and codes.

For automated assembly and handling of workpieces, position and orientation can be determined via 2D or 3D application and transferred to the robot via almost any interface.

## Worldwide operation

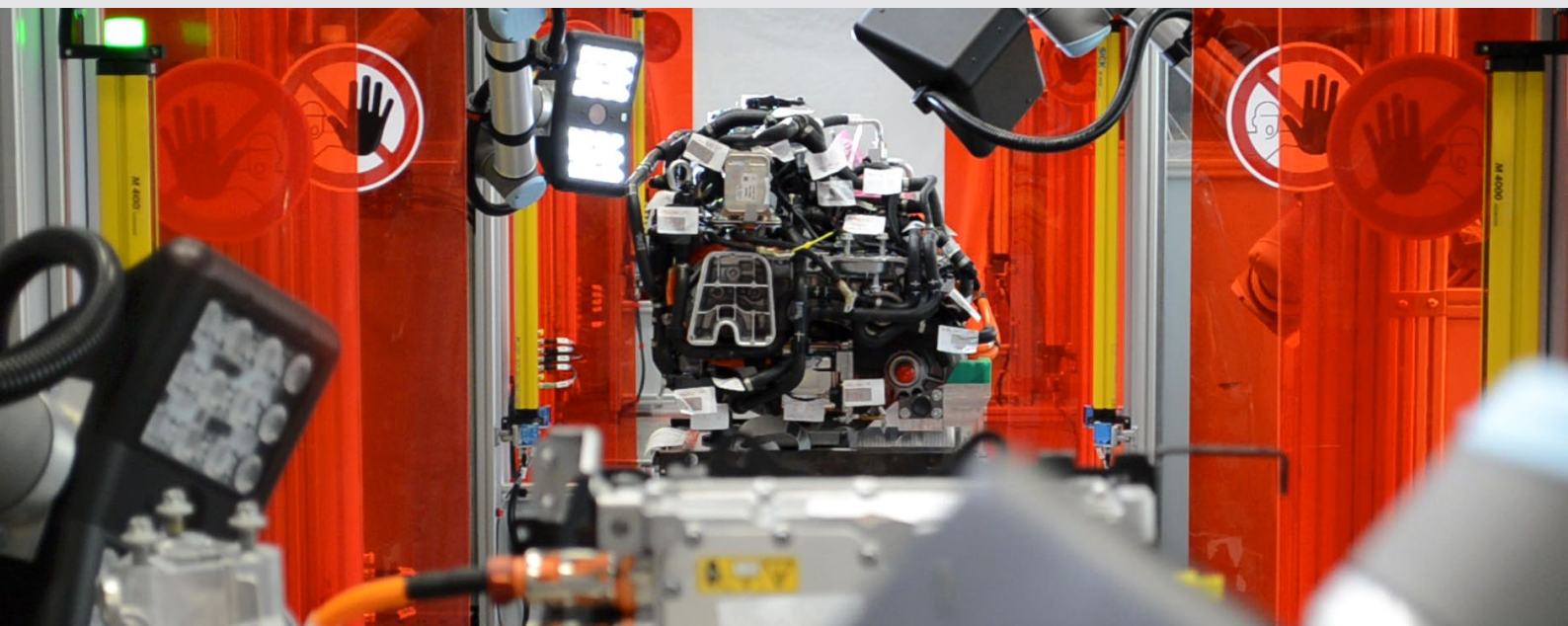
A highly motivated team of over 80 employees at the company headquarters and our branch offices ensures that thousands of installed systems function optimally and that customers from almost all branches of the manufacturing industry are satisfied.

Our customers include all automotive manufacturers producing in Germany and neighboring countries and their overseas production facilities. We operate in a wide range of fields, such as foundry, engine construction, body shop, paint shop and assembly. Furthermore, numerous companies in the electrical appliance, plastics and pharmaceutical industries as well as industrial equipment manufacturers and mechanical engineering companies rely on our many years of experience.

## History

Before VisionTools existed, company founder Dr. Hermann Tropf was a pioneer in industrial image processing as group leader of machine vision at the Fraunhofer Institute for Information and Data Processing. Theoretical work was awarded with prizes (IEEE Computer Society Pattern Recognition Award 1980, DAGM additional prize 1987), practical implementation succeeded successfully and long-term in pioneer-like industrial projects at VW, Ford and Siemens.

A fundamental method for multidimensional range search in large data sets, introduced at that time by Dr. Tropf and Helmut Herzog, is used today in a wide variety of technical applications and in commercial Big Data databases.





## FEASIBILITY STUDY IN THE TEST LABORATORY



### PROJECT PLANNING & DEVELOPMENT



### COMMISSIONING & SUPPORT



### TRAINING



### MAINTENANCE & SERVICE

## Our services

**VisionTools offers you the complete range of services around industrial image analysis, up to complete industrial applications.**

In addition, true to the motto „*Don't think in problems, but in solutions*“, we deal intensively and practically with your requirements. Right from the start we have all the interrelationships of your production process and the requirements in the context of your industry.

With your original parts, we carry out **preliminary tests in our test laboratory** and put together the ideal components and evaluation methods for your project from our product range.

This is followed by **project planning and development of the system** based on your specifications, with subsequent **installation and commissioning, including start-up support**, optimisation and documentation.

**Practical training of your personnel and maintenance of the system** complete our services.

Even after successful commissioning of your system, VisionTools is at your disposal with a **wide range of services** so that you can operate your system with maximum availability and achieve constant product quality at the highest level. An experienced service team offers you fast assistance and **remote support** in case of service.

Whether a standard solution for recurring tasks or an individual requirement, the core of the solution is always our **self-developed standard image processing software VisionTools V60**.

Benefit from the experience of thousands of installed image processing systems, which is continuously implemented in the software development.



## Camera systems for production processes

High quality demands require reliable monitoring. Our system solutions, which have been tried and tested over many years, increase product and process quality as well as cost-effectiveness while at the same time reducing the workload on personnel. This applies to almost all industries in which our systems are used. The following is an excerpt of customers serviced.



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