The application of modern image processing systems helps to achieve substantial improvements in the quality of products and processes and thus increases the users’ competitiveness. Image processing systems can be used in nearly all industrial fields. The possibilities range from ultra mobile technologies for on-site investigations to inline systems for 100 percent testing within the industrial production cycle. The effective implementation of vision systems depends on the particular application and is a task for experts.

Applied research in the fields of image processing and optical testing and measurement technology has been conducted for many years within Fraunhofer. A wealth of research results in these fields of image processing has already reached the point of practical implementation and is available to users.

In order to pool their expertise and provide customers with optimum service, several Fraunhofer Institutes have joined forces to form the Fraunhofer Business Unit Vision. The Central Office of the Fraunhofer Business Unit Vision in Fürth acts as a contact point to answer all questions relating to image processing.
Training and Further Education

To spread knowledge about new quality inspection methods, the Fraunhofer Business Unit Vision also offers training and further education and imparts insights within the framework of publications.

Technology Days

- Comprehensive insights into the field of image processing and contactless measuring technology
- Overview of current and up and coming technologies
- Short lectures and exhibition
- Meeting point for industry and applied science

Workshops with Hands-on Training

- Detailed treatment of one special technology
- Conveyance of basic theoretical principles
- Introduction of example solutions
- Inspection of your own sample parts in the practical part
- Contribution to the decision-making process concerning the applicability of the respective new technology to different areas of practice

The Guideline Series

- Published annually
- Simple, easily understandable, yet extensive description of state-of-the-art technologies in the field of image processing
- Extension of the number of users for industrial image processing