

Application area

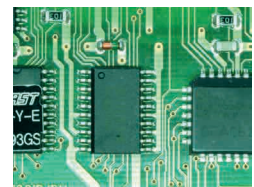
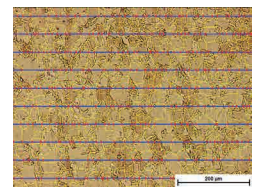
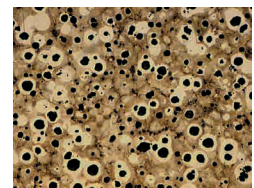
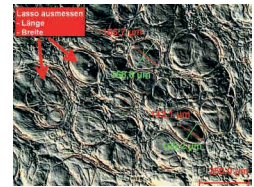


dhs Image Date Base has been deployed for more than 25 years as a global, modular image management system in QA departments and laboratories for purposes of

- archiving
- acquisition
- processing
- analysis
- documentation.

Its **modular structure** allows you to **combine the software tools you need** to satisfy your individual requirements. Ease of operation and clarity of structure simplify daily tasks so you can get down to rewal work right away.

Licensing options are **available for single-user and multi-usersolutions** at different workplaces and even a different company locations. Your dhs Image Data Base does not require a particular interface and can be integrated into existing laboratory applications.



Interfaces

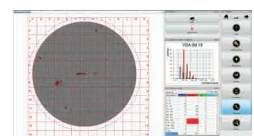
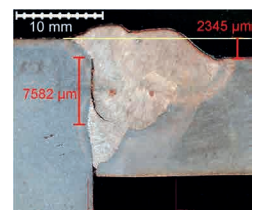
- Microscope
- Macroscope
- Stereo microscope
- Scanning electron microscope
- Video microscope
- Macro copy stand with camera
- Hardness testing device
- Endoscope
- X-ray apparatus
- Interferometer
- etc.

Image sources

- analogue and/or digital microscop camera (CCD / CMOS)
- digitale photo camera
- Scanner
- etc.

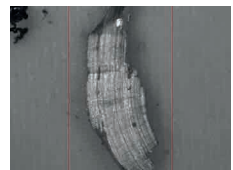
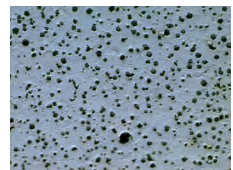
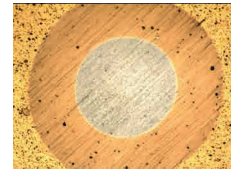
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- **Industry** (metals, plastics, woods, chemicals, pharmaceuticals, ceramics, motor vehicles, semiconductors, electrics / electronics, aerospace, foodstuffs etc.)
- **Life science** (clinics, veterinary applications, medical device manufacturers and laboratories of all kinds)
- **Research** (universities, institutes of technology, universities of applied sciences, vocational and technical schools, Fraunhofer Institutes, Max Planck Institutes etc.)
- Criminalistics, authorities, **industry associations, institutes** etc.



Assignment of tasks

- Image management (data base)
- QA documentation and laboratory documentation
- Two-dimensional measurement of components
- Compilation of test reports with integrated images
- Compensation for insufficient depth of field at a microscope
- Comparison between images and workpieces
- Materialographic analysis
- Measurement of layer thickness
- Determination of steel inclusions
- Casting analysis
- Quality assessment of any kind of specimens /workpieces
- Assessment of surfaces
- Tests during production
- Measurement of welding seams
- Characterisation of pores or particles
- Documentation of incoming goods inspections
- Initial sampling with preparation of image material
- Standard-compliant residual dirt analysis
- Evaluation of the technical cleanliness in production
- Evaluation of the technical cleanliness of components
- Ergonomic examination of components on a PC monitor



Competencies

Software, Service and Hardware are the fields of expertise that have made dhs Solution general contractor for „professional imaging“.

You have a **single point of contact** for your complete imaging system.

We provide custom technical consulting (software and hardware), assume responsibility for one-site system configuration an installation, train users for their special tasks and adapt dhs Image Data Base to your environment.

Personal feedback from our customer you will find on www.dhssolution.com under the headline „References“.

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Image Data Base

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MicroCam

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Cleanalyzer

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