



Company Presentation

Polytec, Waldbronn

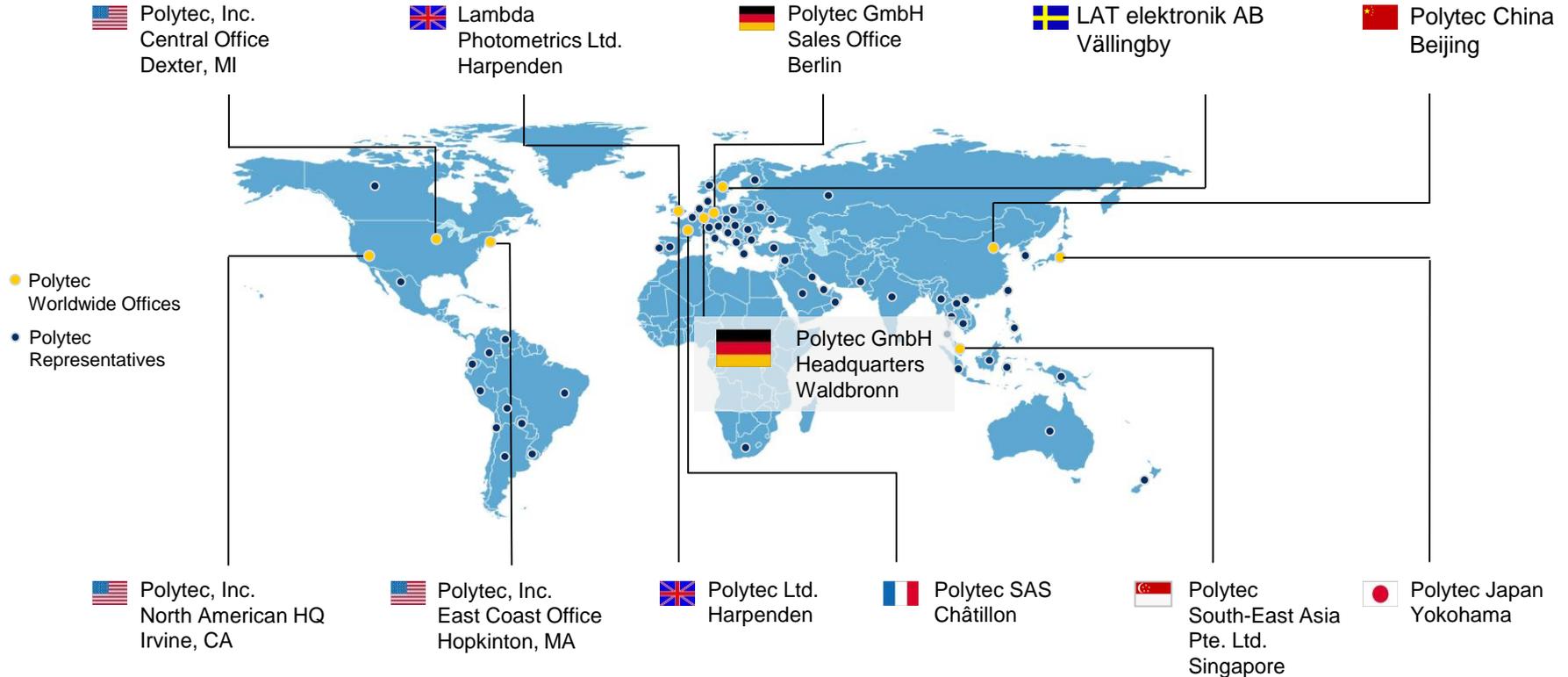


Founded
in 1967

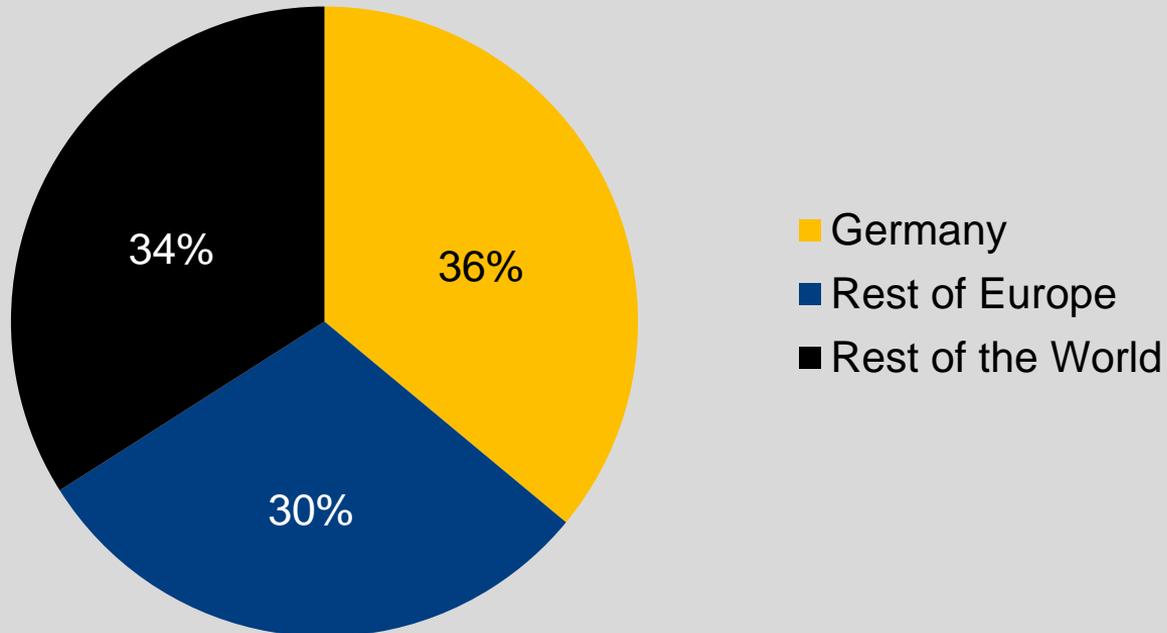


Polytec Today

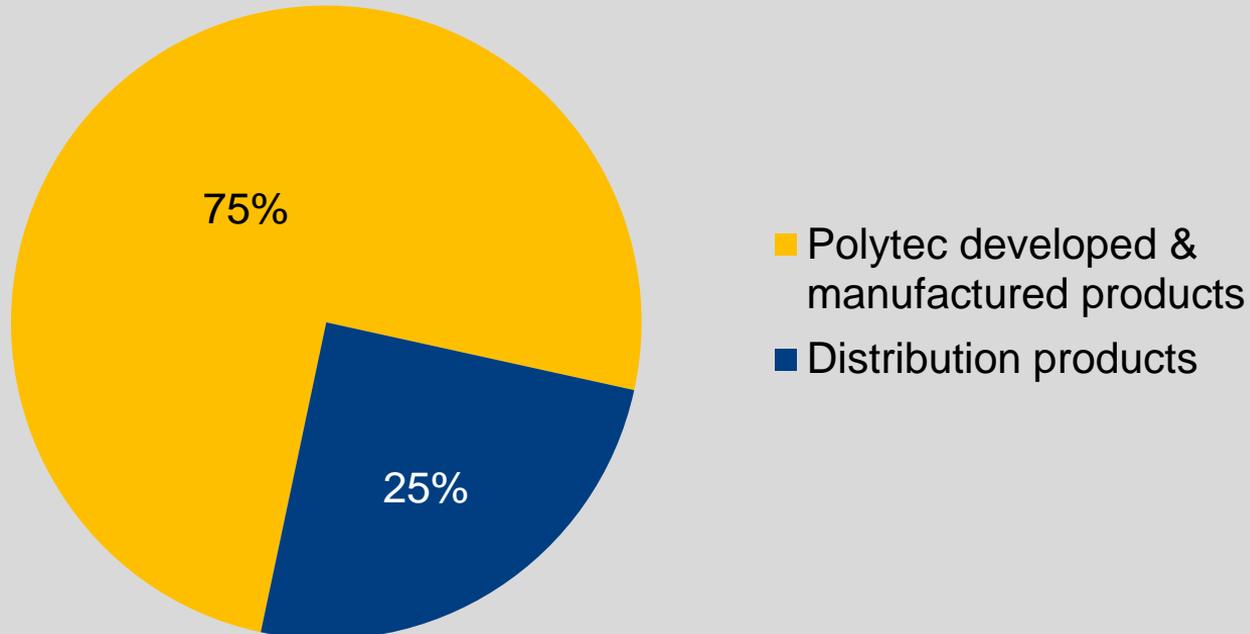
380 Employees Worldwide



Sales Worldwide by Regions



Sales Worldwide by Product Groups

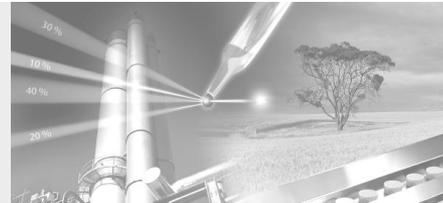


Business Units

Optical Measurement Systems



Analytics



Photonics



Optical Measurement Systems

Just Point and Measure Laser Doppler Vibrometer

Non-contact, Optical Vibration Measurement



Higher Quality, Faster Processes, Lower Costs Laser Surface Velocimeter

Industrial Length and Speed Control



Rapid, Non-contact, Large Area Surface Metrology

Surface Topography such as Flatness, Parallelism and Ripple



Laser Doppler Vibrometry

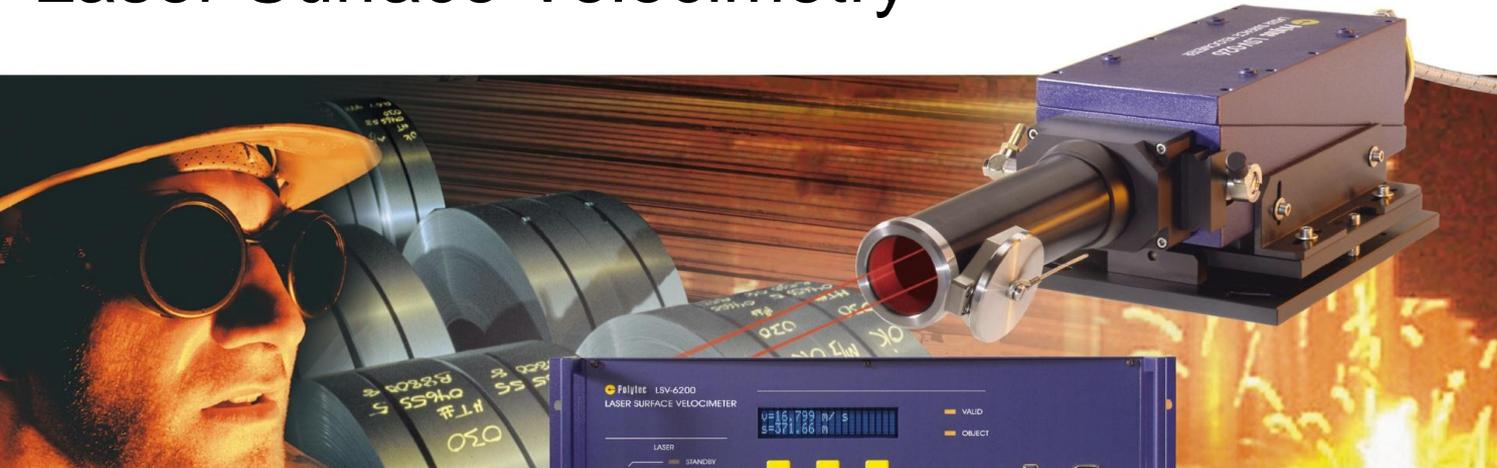


Typical Applications

- Automotive
- Aerospace
- Data Storage
- Microstructures
- Transportation
- Engineering
- Audio and Acoustics
- Biology and Medicine

- Non-contact vibration measurement
- Single-point or full-field scanning
- Out-of-plane or 3D components
- Macro- und microstructures
- R&D and production environments
- Up to 1,2 GHz

Laser Surface Velocimetry



Typical Applications

- Length/speed measurements in hot and cold rolling mills
- Online control of continuous casters
- Cut-to-length control of billets/slabs, plates, tubes, profiles, etc.

Measuring Length and Speed

- Non-contact and precisely
- In hostile environments
- At large working distances
- Flexible process integration

Surface Metrology

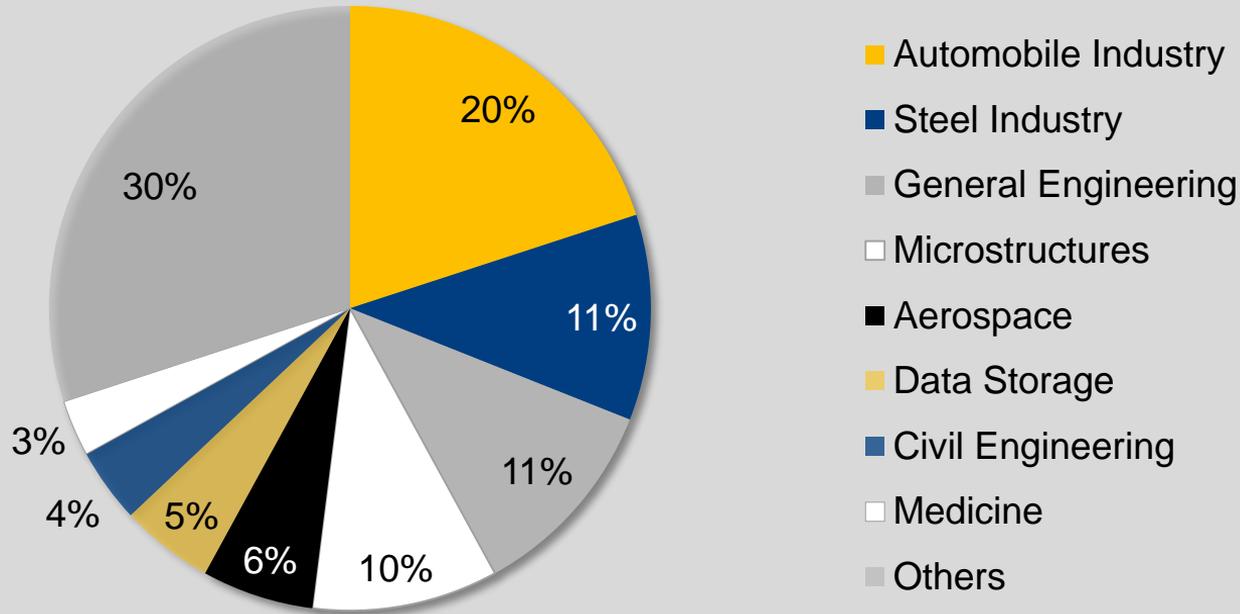


Typical Applications

- Verifying product part specifications
- Industrial quality and process control

- Optical topography and flatness measurements
- Large Z dynamic range, 10 nm Z resolution, large fields of view

Important Markets & Application Areas

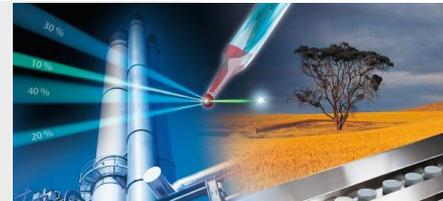


Business Units

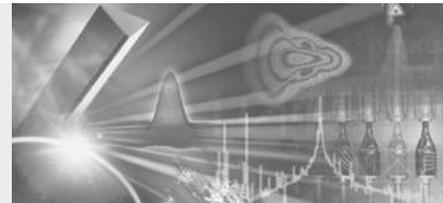
Optical Measurement Systems



Analytics



Photonics



Analytics

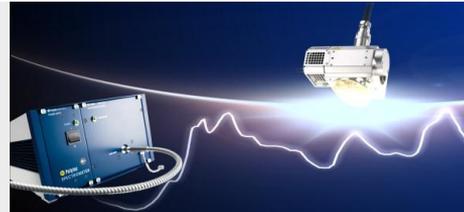
Improved Quality and Reduced Costs Process Analytics

For Incoming Goods Inspection, Process Monitoring and Final Quality Control

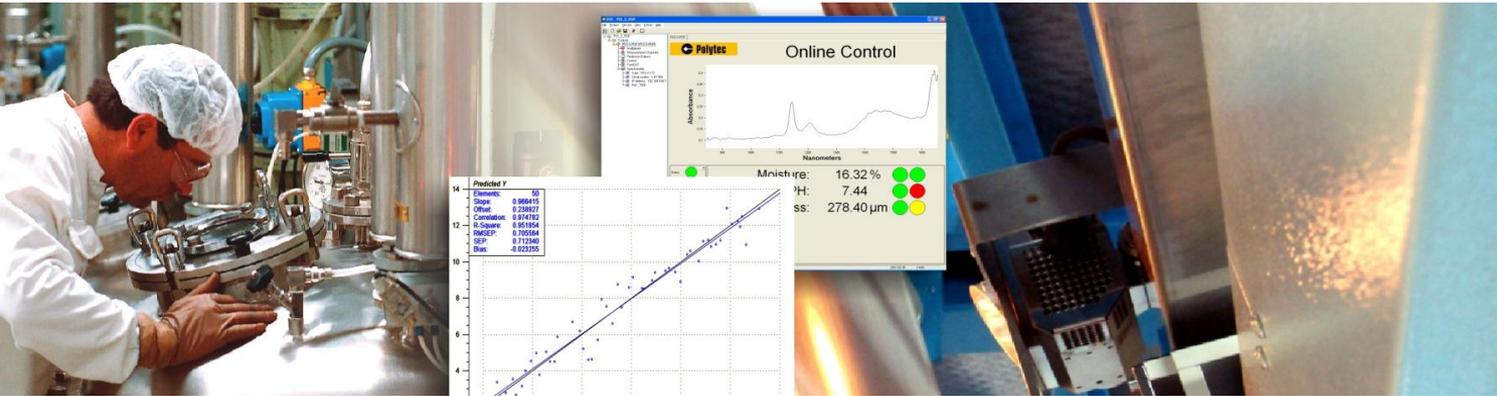


Straight and Modular Spectroscopy

Application Specific Configurations from Standardized System Components



Process Analytics



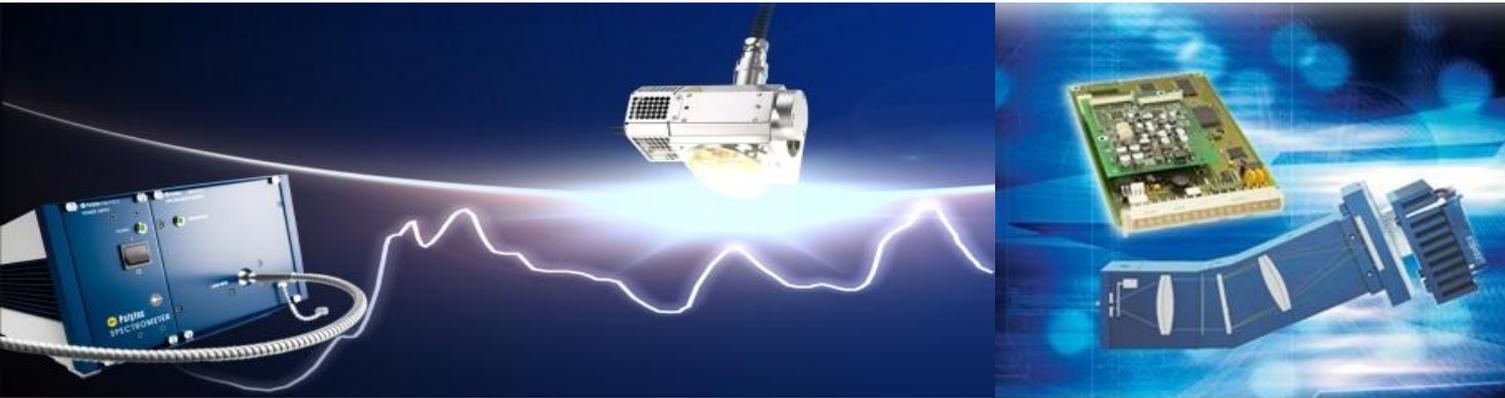
Typical Applications

- Quantitative analysis
- Qualitative analysis
- Layer thickness
- Particle size

Quality or Identity Control

- Incoming goods inspection
- Process control
- Product inspection

Spectroscopy



High End Components for OEM integration

- Transmission grating polychromators
- Electric components
- Automated accessories

Modular NIR-Spectrometer Systems

for Fast and Precise Online Analysis

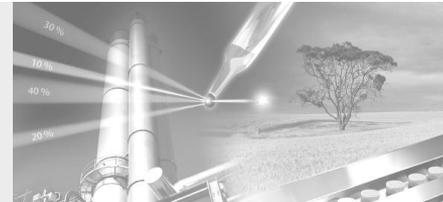
- Incoming goods inspection
- Process control
- Paper webs
- Bulk materials
- Liquids / compounds
- Gases

Business Units

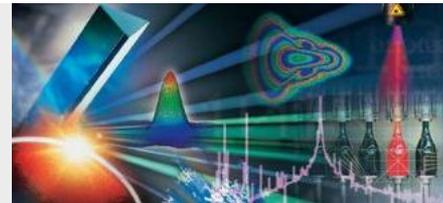
Optical Measurement Systems



Analytics



Photonics



Photonics

Products - Consulting - Service
Optical Technologies

In the field of Radiation Measurement Systems, Sensor Technology, Spectroscopy, Telecommunication, Laser Technology and Semiconductor Metrology

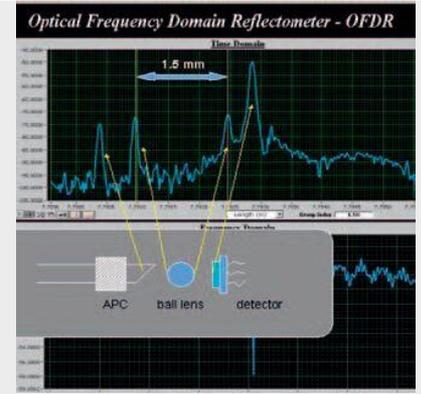
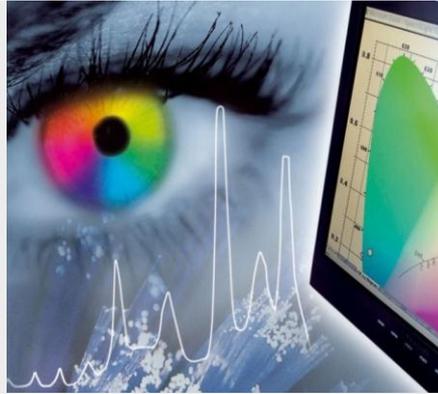
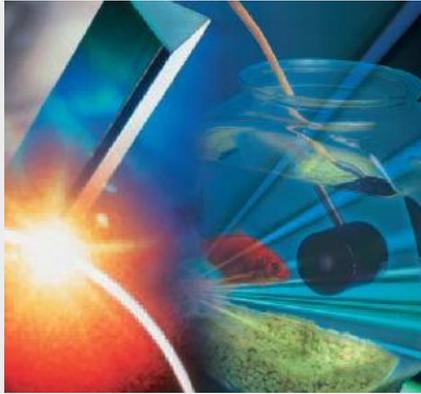


Components - Systems - Solutions
Machine Vision

For Industry, Research and Development



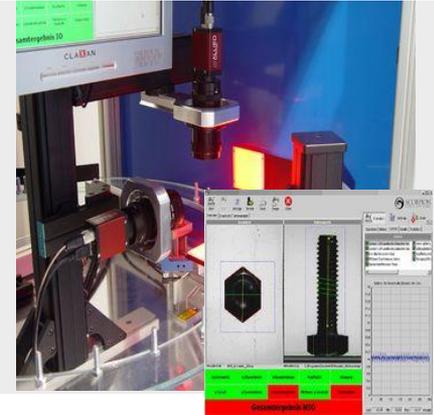
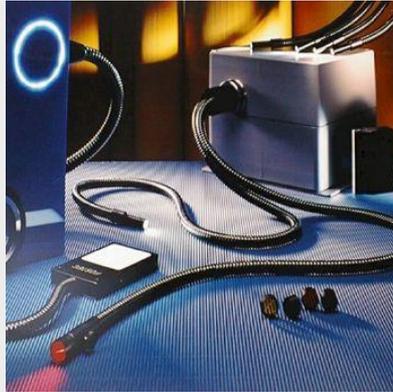
Optical Technologies



Components and Systems

- Laser and laser systems
- Laser accessories and components
- Special lamps and light sources
- Light measurement
- Spectral and imaging systems
- Electro-optical test systems
- Detectors / receivers
- NIR cameras
- Optical telecommunication
- Fiber optic sensing
- Photovoltaics and semiconductor metrology

Machine Vision



Components and Solutions

- Components and Solutions
- Fiberoptic illumination
- LED illumination
- Lenses
- Matrix cameras
- Line scan cameras
- High-speed cameras
- Filters
- Vision software
- Vision packages with configurable software
- Enclosures for cameras and lighting

Polytec



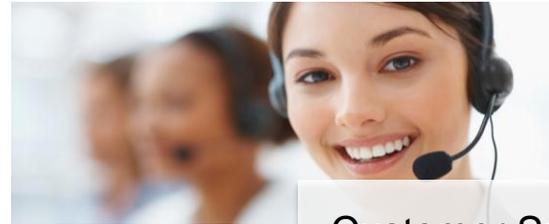
Research &
Development



Manufacturing &
Quality Control



Application Services



Customer Support /
Service

Research & Development

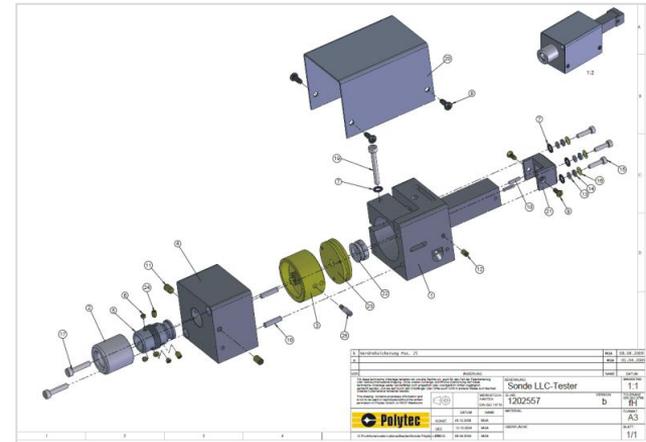
Departments

- Engineering
- Electronics
- Optics
- Software
- Technical Documentation
- New Technologies

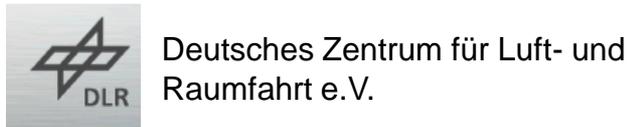
Domains

- Laser vibrometry
- Laser velocimetry
- Video microscopy
- NIR spectrometry
- Surface metrology
- Research projects

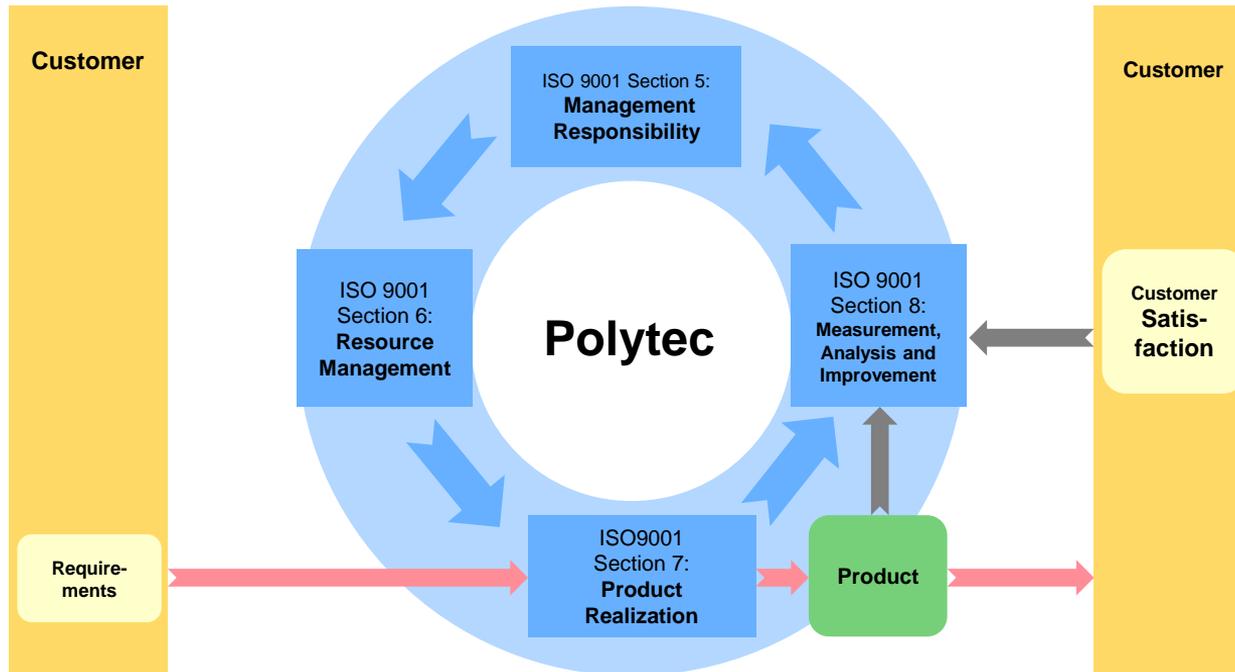
About 65 employees



Partnerships



Quality Management according to ISO 9001



Certificates:

- ISO 9001 
- IEC Ex 80079 
- FM Global 
- CSA 

Application Services

Use our application knowledge for your projects!

- **Measurement services**
 - On-site or in your labs
 - By experienced application engineers
 - With the most suitable and up-to-date vibrometry measurement systems
- **System rental**
- **Training and educational seminars**
 - Regular seminars on applications of vibrometry and the optimal use of vibrometers at the Polytec offices
 - Customized training at your site for your specific application



Customer Support / Service



We support our customers worldwide with:

- Well-trained service specialists and additional know-how of the Polytec service engineers and research scientists in the specific technologies of interest (optics, electronics, software)
- Repair and calibration at local service centers or on-site at customer facilities
- Global network of service sites
- Hardware and software service contracts
- A service hotline for prompt phone support