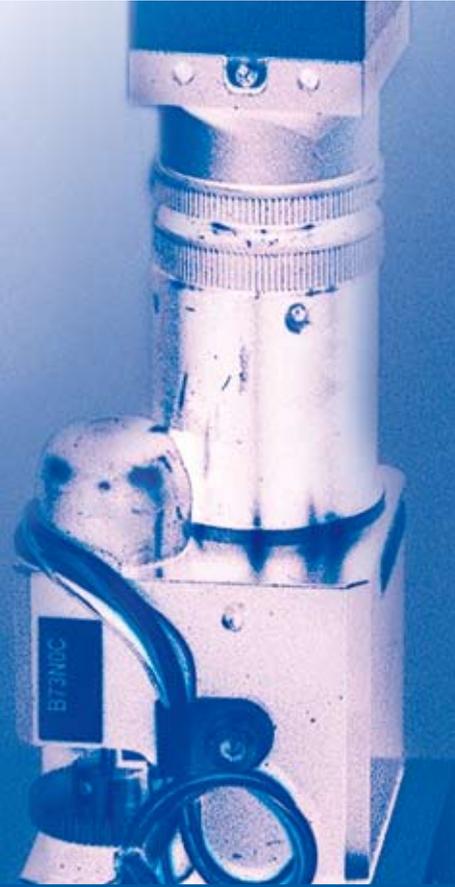


# Opto



## Solutions

Custom made Optics, Mechanics, Prototypes and Series

[www.opto.de](http://www.opto.de)

Solutions in Optics

Our vision is to take our experience to a global audience, and to enable our customers to reach unsurpassed levels of optomechanical excellence

#### Opto is ...

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... a developer and manufacturer of client driven opto-mechatronic modules, components and systems



#### Your advantage ...

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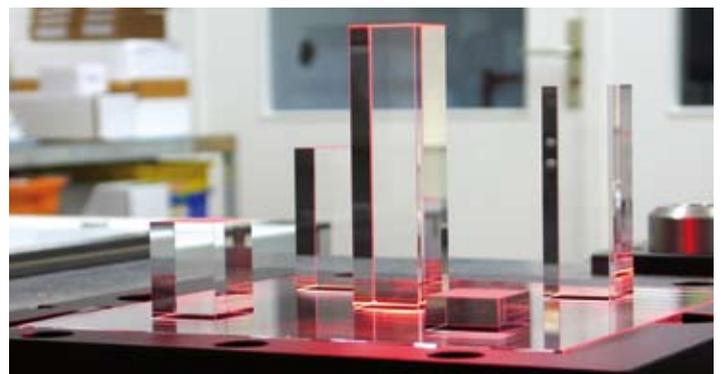
... is to have a vision solution tailored exactly to your needs, at a price that's more competitive than off-the-shelf components



#### Opto differentiates ...

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... by combining its own special optics and mechanics with off-the-shelf components in order to create a perfectly balanced solution



#### Your dependable supplier ...

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... with a 3 decade reputation in producing perfect optomechanical solutions from one-off prototypes to full scale production, exceeding the highest quality standards and within budget





## Philosophy & Ethics

### Growth

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We offer every person involved a home and a future enabling them to develop their ability and personality thereby positively affecting our company.

### Respect

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Our philosophy is to listen carefully to the client and then to adapt ourselves to his needs.

### Strategy

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Do it 100% and with a plan or leave it.

### Human Interaction

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Sharing and respect are qualities at the heart of our warm, dynamic and enthusiastic team.

### Loyalty

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Loyalty, discretion and trust to our customer and company have first priority.

### Passion

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We treat every customer project with the same passion as if it were our own project.

### Long term relationship

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We are here for the long term, working for the joint and continued success of our customers and partners.

### Communication

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We only use straight forward communication - only as much paperwork as required and as little as necessary. In order to meet our collective goals effectively, we are plain talking.

### Agreement

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We take pride in establishing our reputation on old-fashioned values - where a commitment and a promise still means something.

### Precision

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Quality is the very pinnacle of our commitment. We deliver state of the art technology solutions with reliability included ,as standard' for every one of our customers.

### Innovation

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We anticipate our customers' needs and make them part of our evolving strategic innovation process.

### Partners

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We always seek to ensure that our selected partners have similar ethics to our own.



# Our mission is to develop market leading optomechanical solutions for the most advanced inspection applications

## Manufacturing & Assembly

As an established leader in developing some of the most innovative optomechanical solutions, the core of our business has to be a capability in manufacturing and assembling to the very highest specifications.



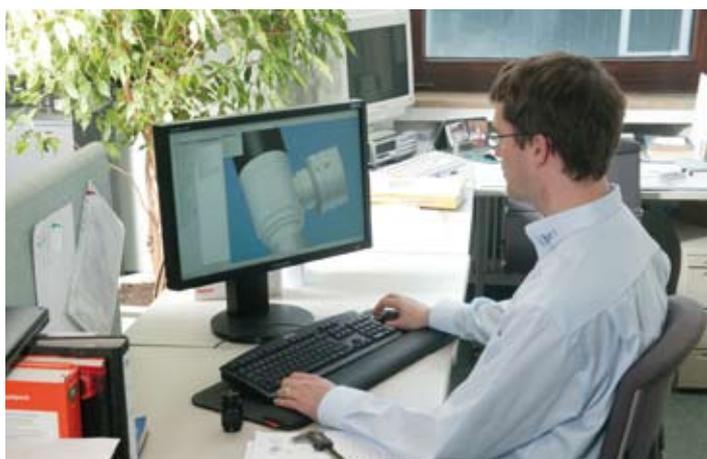
## Handling

All our internal processes from purchase of components and raw materials, through to internal logistics, production, assembly, quality, and shipment are closely managed and monitored by our ERP and CRM systems.



## Design

We combine optics, mechanics, software and electronics for perfect functionality: from simple CAD designs to complete system designs; from special lenses to complete optical systems; from basic imaging software to complex automated inspection.



## Development

With our comprehensive experience, we can develop specific components, modules and full systems. From proof-of-concept to ready-for-production and beyond, we are able to respond to virtually any request.



## Quality

Quality is the pinnacle of our commitment to our customers, and we are proud to still be a company that values quality and reliability as our main goal.



## Build to Print

We are able to offer a leading contract manufacturing and build-to-print service for customers requiring specialist machining of high precision metal parts in small to midsize volumes.



## We enhance our customers ideas

### End Users

use our solino catalogues of Components, Inspection Systems and Image Analysis Systems.



*Movable Stereomicroscope for Restoration*

### System Integrators

implement our solino standard components together with Opto's custom made solutions in their applications.



*Top and Bottom Microscope System for Wafer alignment*

### OEM's

develop together with Opto's specialists specific solutions and modules and Opto delivers the ready product from the prototype to the series production.



*16:1 Autofocus Zoom system for LCD-Display control*

# The international sales channel for our standard products is [solino.com](http://solino.com)

## Components

Selected precision components for Microscopy, Machine Vision and Laser applications.

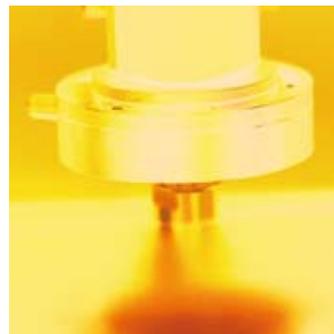
[www.solino.com](http://www.solino.com)



## Inspection Systems

Our range of optical stand alone solutions for precision inspection and quality control.

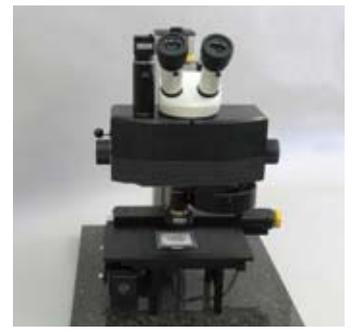
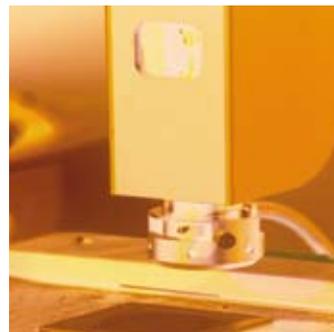
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## Image Analysis Systems

Our unique software-driven standard solutions for niche inspection applications.

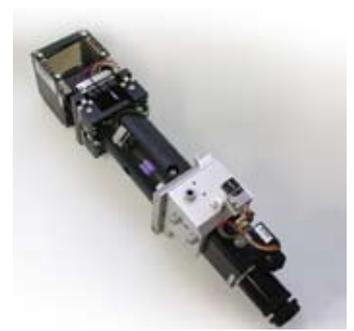
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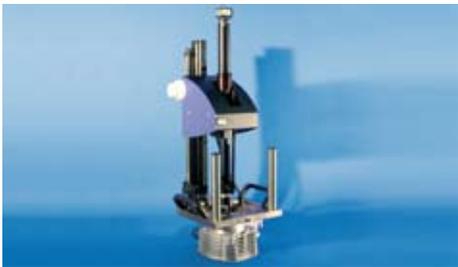
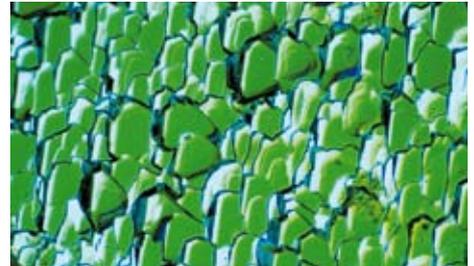
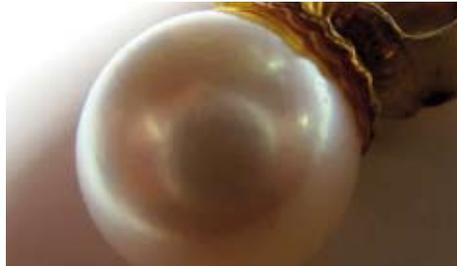
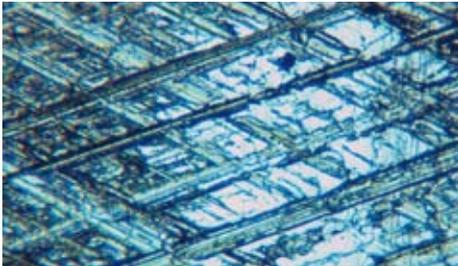
## Custom Solutions

Plug and Play Imaging Modules for Machine Builders, OEM's and System Integrators consisting of optics, mechanics, illumination and sensors.

[www.opto.de](http://www.opto.de)



## Your Market—Our Solution



### Automotive

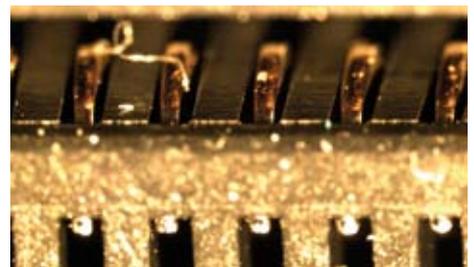
Non destructive inspection of Cylinder bores. Evaluation of component cleanliness.

### Education and R&D

High speed video capture and documentation of micromechanics. Optical inspection for the restoration of paintings and sculptures.

### Energy

Automated inspection of thin film solar panels. Synchrotron beam control & alignment.



### BioMedical

Machine integrated microscopic embryo surveillance. Eye surgery machine coaxial inspection and laser beam delivery .

### Security

Mobile fluorescence fingerprint analysis. Microscopic survey and laser treatment of new materials.

### Semiconductor

Inspection of Pick and Place processes. Automated optical board control. Microscopy machine integration.



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