

# Microscopy

**“We aim to provide value to our customers applications and processes  
in biology, medicine and industry”**

**Save investment : Products „Made in Germany“ and expert consultancy**

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A comprehensive offering for bio-medical and industrial applications



Laboratory Medicus



Laboratory & Research H 600 Upright



Laboratory & Research Wilovert Inverted



Stereo Wiloskop



USB-CCD Colour Cameras

## Highlights of product and services offering

- ✓ Comprehensive program for education, bio-medical routine and industry
- ✓ Dedicated solutions for selected applications
  - Dermatology
  - Alternative treatment (native blood)
  - Environmental investigation (fungi, biosolids)
- ✓ Competent consultancy of customers and distribution partners
  - Application-related and technical
- ✓ Stable microscopic results
  - Stands with highest mechanical stability
- ✓ High and constant quality „Made in Germany“
  - Complete manufacturing H 600 & Wilovert line
  - Final assembly and testing Med Prax & Medicus
- ✓ Highest safety
  - All products comply with Medical Device Directive
  - Safe investment through durable products
  - Repair service up to 20 years

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## Educational Microscopes : „Robust and easy to use“



Med Prax

- Ideal for use in rough classroom environment
- Compact and robust design
- Easy to operate
- Optimal image through Köhler illumination
- Configuration dedicated to education
- Attractive price

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## Routine Microscopes for Medicine and Biology “Ergonomic and versatile System Microscope”



Medicus

- Ideal for use in bio-medical routine labs
- Robust and easy to operate
- Available in different contrasting techniques
  - Brightfield
  - Darkfield
  - Phase Contrast
- LED fluorescence retrofitable
- Different optical outfits (objectives, condensers)
- Wide range of accessories

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## Laboratory Microscopes for Medicine and Biology “Modular System adopting to Application Needs”



H 600 Fluorescence

- Dedicated to medical & biological research
- Application-specific configurations
- Darkfield version for alternative practitioners
- Available in different contrasting techniques
  - Brightfield
  - Darkfield
  - Phase Contrast
  - Fluorescence (HBO and LED illumination)
- Different optical outfits (objectives, condensers)
- Wide range of accessories
- Attractive price

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## Inverted Microscopes for Biology “Best Price/Performance Ratio in its Class”



Wilovert Fluorescence

- The ideal instrument for the observation of cell cultures
- Application specific configurations
- Holding frames for culture vessels & Petri dishes
- Available in different contrasting techniques
  - Brightfield
  - Phase Contrast
  - Fluorescence
- Different optical outfits (objectives, condensers)
- Wide range of accessories
- Outstanding price/performance ratio

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## Stereo Microscopes : “Versatile Instruments for Biology and Industry”



Wiloskop

- Versatile microscope for industrial & biological applications
  - Industrial production & quality control
  - Preparation/investigation of large biological samples
- Transmitted & incident light (LED or external illumination)
- Wide zoom range & large field of view
- Wide range of application-specific accessories
- Adaptation of cameras through trinocular tube

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## Industrial Laboratory Microscope “Modular System for incident and transmitted Light”



H 600 AM with cold light source

- Designed for industrial quality control
  - Incident light for investigation of metals, ceramics and composite materials
  - Transmitted light for transparent materials or powders
- Available as incident-light or incident/transmitted-light version
- Wide range of long working distance objectives
- Comprehensive range of accessories

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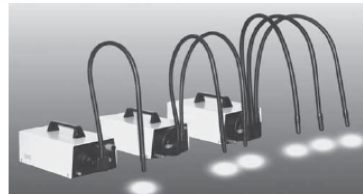
## A full range of accessories for documentation, cell cultures, fluorescence



- CMOS and CCD colour cameras for documentation
- Easy adaptation via trinocular tube & C-mount
- USB connection to PC
- Workflow oriented SW for image capture, storage & measurement



- Holding frames for culture vessels  
( e.g. Petri dishes, microtiter trays)



- Halogen fibre light sources 150 W and 85 W



- Fluorescence Marker Mykoval
  - Easy staining of samples
  - Low bleaching
  - Ideal for staining of fungi and yeasts

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## Application specific benefits : Example Microbiology

<b>Application</b>	Research and medical diagnosis of micro organism
<b>Investigation</b>	Appearance and form of bacteria, cell cultures, fungi and mycoses
<b>Method</b>	Phase contrast (PH), Fluorescence staining with Mykoval marker
<b>Instruments</b>	<p><u>Upright Microscopes :</u></p> <ul style="list-style-type: none"> <li>• Medicus with phase contrast or LED fluorescence illumination</li> <li>• H 600 PH respectively with LED fluorescence or HBO illumination</li> </ul> <p><u>Inverted Microscopes :</u></p> <ul style="list-style-type: none"> <li>• Wilovert PH or with HBO fluorescence</li> </ul> <p><u>Digital Cameras :</u></p> <ul style="list-style-type: none"> <li>• CMOS und CCD cameras for documentation</li> </ul>
<b>Specific Features</b>	<ul style="list-style-type: none"> <li>• Application specific microscopy configurations</li> <li>• High mechanical stability of the stands</li> <li>• Attachments for containers for cell cultures</li> <li>• High power LED fluorescent light source including filters</li> <li>• Mykoval fluorescent dye for marking of fungi and bacteria</li> </ul>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Stable microscopic results</li> <li>• Easy staining and low bleaching of Mykoval fluorescent dye</li> <li>• Easy operation and retrofit of LED fluorescence illumination</li> <li>• Save investment through durable products „Made in Germany“</li> <li>• Consultancy regarding applications and products</li> </ul>
<b>Summary</b>	<p>Save investment :</p> <ul style="list-style-type: none"> <li>• Durable products and expert consultancy</li> <li>• Application specific solutions from one source</li> </ul>

**We think on our customers applications and not on products only**