

From Eye to Insight

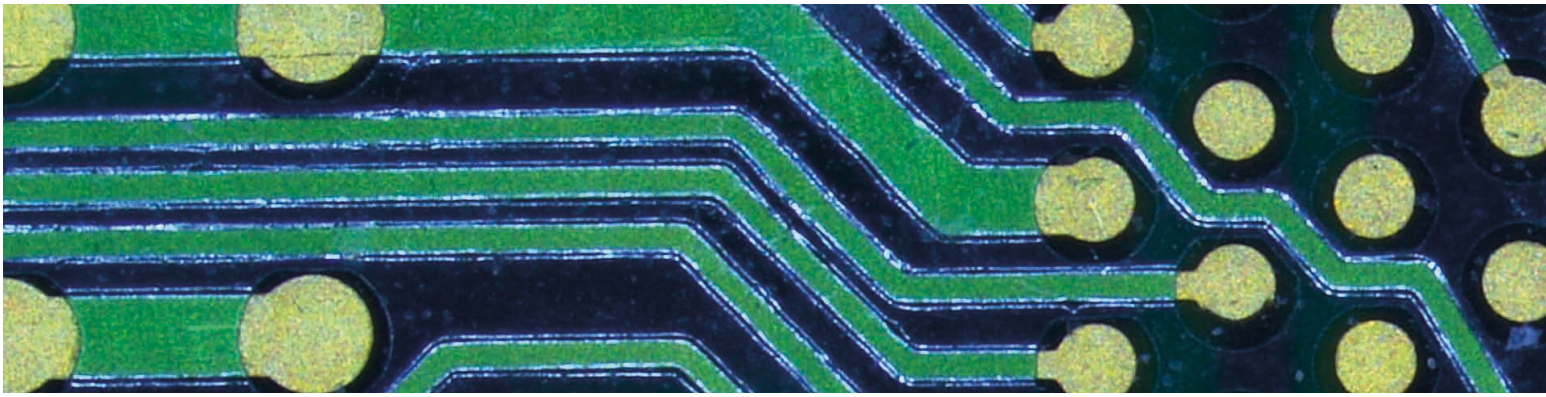
*Leica*  
MICROSYSTEMS

# Inspiring simple inspection

Emspira 3  
Digital microscope



red dot winner 2022

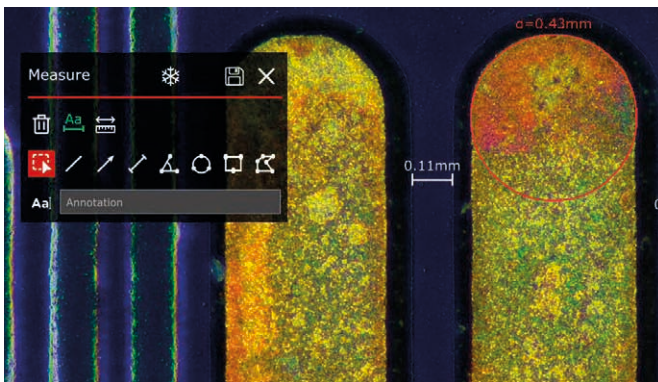


Emspira 3 digital microscope empowers users to streamline inspection processes, cover inspection needs flexibly, and work in a confident and reliable way, with a single system.

## STREAMLINE YOUR INSPECTION PROCESS

### Inspect with a single system

Perform comprehensive visual inspection tasks with no need for a PC – the integrated on-screen display provides intuitive tools in stand-alone mode. You don't need to have different workstations for dedicated work steps.



Measurements done with the integrated on-screen display in stand-alone mode.

### Measure directly during visual inspection without a PC

> In stand-alone mode, measure multiple regions on the sample in the live image

### Directly compare to references with a single click

> For easier decisions, compare the live image to reference images or customized overlays to check if parts are within tolerances

### Enhance communication for fast decisions

Directly save images on network folders and share them with co-workers via email.



Emspira 3 digital microscope with standard base and LED3000 ring light illumination.

### Annotate images without a PC

> Add annotations directly to the image using the integrated on-screen display

> Easily highlight features and areas of interest on the sample by adding comments and conclusions, as text and graphical elements, to the image

### Automatically save images on your network

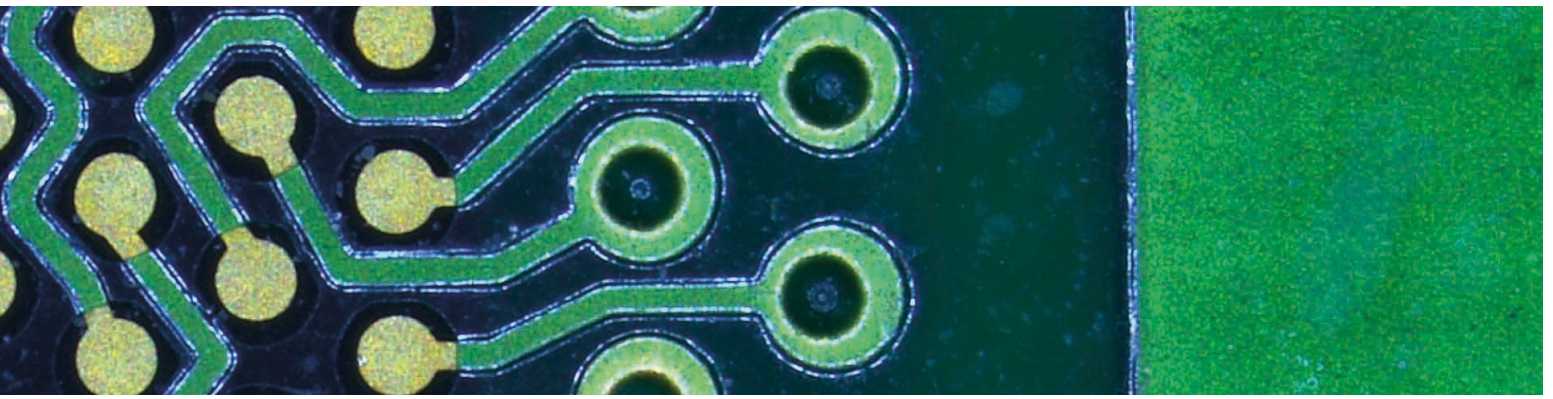
> Save images and results from inspection directly to your local network via ethernet connectivity for fast storage

> Simultaneously take and share images with a single press of a button using the optional hand/foot switch

### Share results via email with one click

> Easily share documentation directly with email contacts without a PC





## COVER YOUR INSPECTION NEEDS FLEXIBLY

### Adaptable for your different tasks

Customize Emspira 3 to the demands of many samples and easily adapt it to the changing needs of specific applications, thanks to its modular design and large variety of accessories.



Emspira 3 is adaptable to your requirements – available in different configurations.

#### Use the illumination that works for your sample

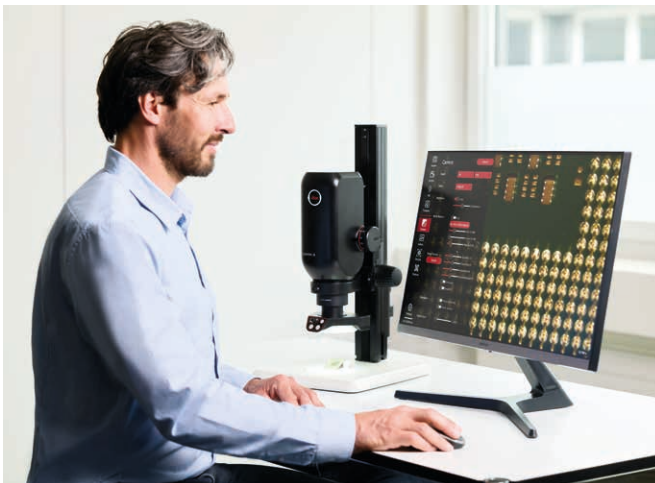
- > Reveal relevant details with the appropriate illumination

#### Go smoothly from overview to details

- > Quickly change sample field of view with 8:1 zoom range
- > Help to ensure correct measurements with encoded zoom

### Just use it – designed for everyone

Emspira 3 is designed for users of any skill level and the system can be operated intuitively with minimal training, saving you time and effort. Work according to your preferred style – using a mouse, keyboard, touch display, and hand / foot switch.



Emspira 3 digital microscope with integrated on-screen display.

#### Simplified use with an adaptable user interface

- > Hide functions not needed for simplified operation
- > Make the interface as lean as desired

## WORK WITH CONFIDENCE

### Keep your data easily available at all times

Minimize the risk of data loss by keeping results and data on your local network for worry-free storage. The resulting documentation is accessible anytime.

### Designed for robustness

Uptime is maximized as the robust and reliable design minimizes maintenance due to low wear and tear. The robust IP 21 housing of Emspira 3 protects its internal optics and mechanics from industrial environments. Its AgTreat antimicrobial surface also reduces the risk of spreading germs among users.



### Ergonomic workplace

- > View live images (with no eyepieces), displayed at up to 60 fps, in 4K resolution directly on a monitor
- > Inspect in a comfortable way with less strain

## YOUR ADVANTAGES WITH EMSPIRA 3

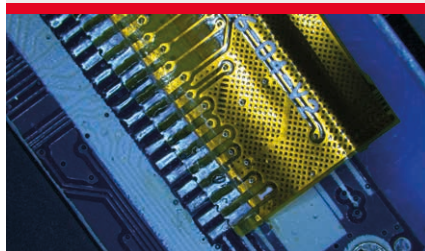
### Streamline your inspection process

Your integrated solution for comparison, measurement, and data sharing, allowing you to optimize inspection efficiency and ditch the PC.



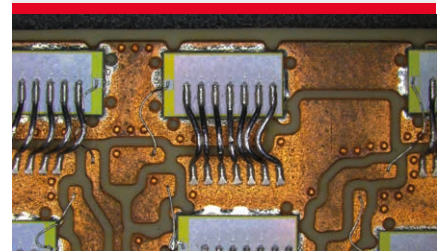
### Cover your inspection needs flexibly

Work the way you want. Adapt the solution to your requirements and the needs of individual users.



### Work with confidence

Focus confidently and reliably on your inspection work both in production and laboratory environments thanks to the robust design of Emspira 3.



CONNECT  
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