



M8 Microscope and Scanner

Content



The M8 by Histo-Line Engineering at its best

We focus on the development and production of measurement and automation technology. Our key competence is the digitization and automation of microscopes and micropositioning systems.

Our know-how ranges from optics to mechanics, electronics and software. We use our universal in-house expertise to develop individual modules and complete devices, custom-made solutions and innovative operating concepts.

The spectrum of our offer ranges from printed circuit boards to electronics, optical and mechanical components, complete testing systems with custom-made software - and now we proudly present the M8, the smartest microscope in the world.

Simplicity

The M8 from Histo-Line is as intuitive and ergonomic as your smart phone.

P. 4 — 9

Fascination

We appreciate the beauty of the microcosm.
Photo gallery.

P. 10 — 17

Focus

With the M8, you can reach your goals in less than 60 seconds – Save time, stay focused.

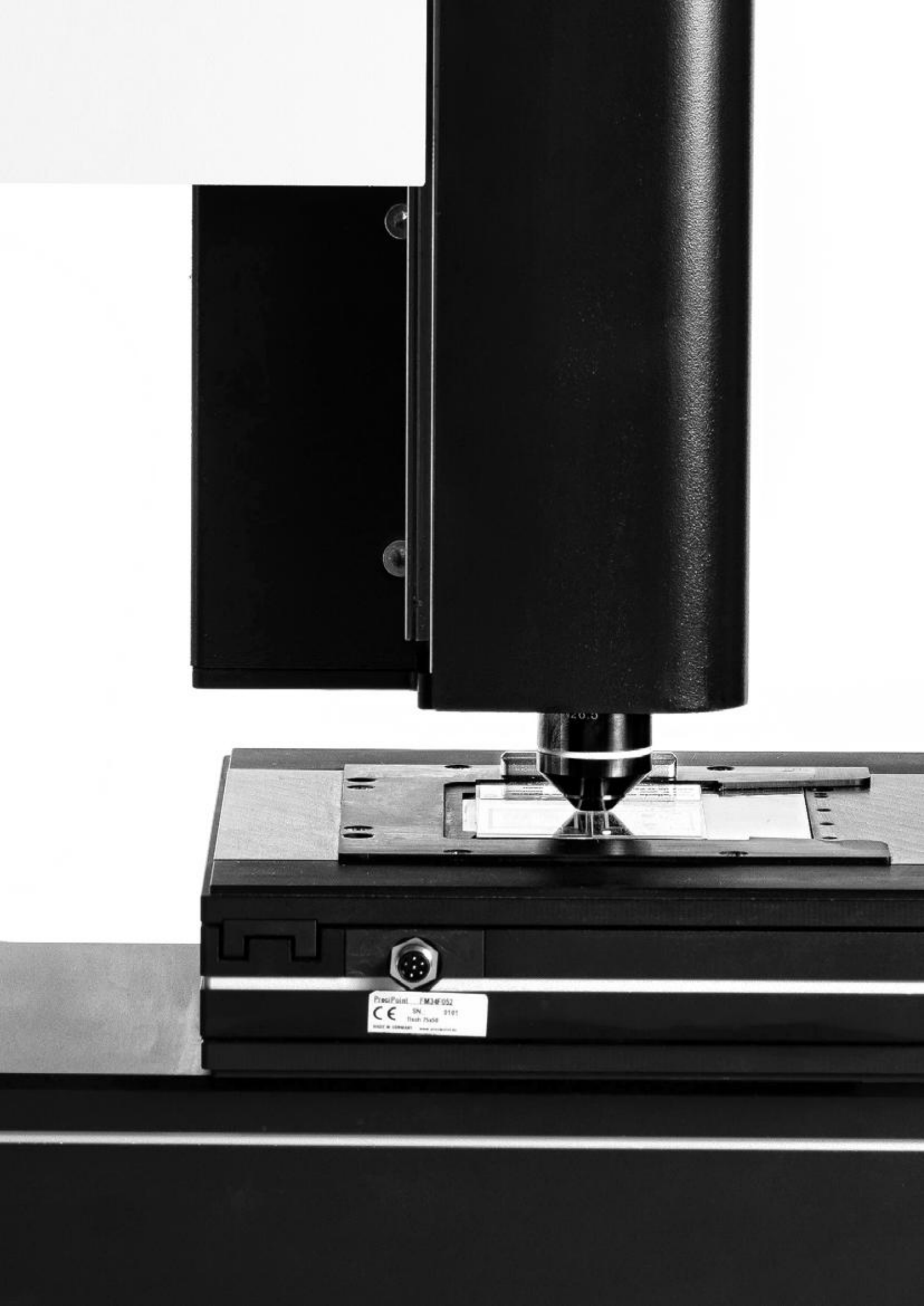
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Clarity

Become independent of time and place through the digital opportunities offered by the M8.

P. 30 — 37

Simplicity



User Interface

The M8 from Histo-Line is a microscope and a scanner at the same time, but as easy to handle as your smart phone. Don't get lost in the set up and operation of your work tool, we want you to be able to dedicate yourself fully to your work.



You may operate the M8 with a touchscreen computer, a tablet or a smart phone. The intuitive navigation makes you feel as if you could examine the sample with your own hands.

Intuitive and ergonomic handling not experienced in microscopy yet.

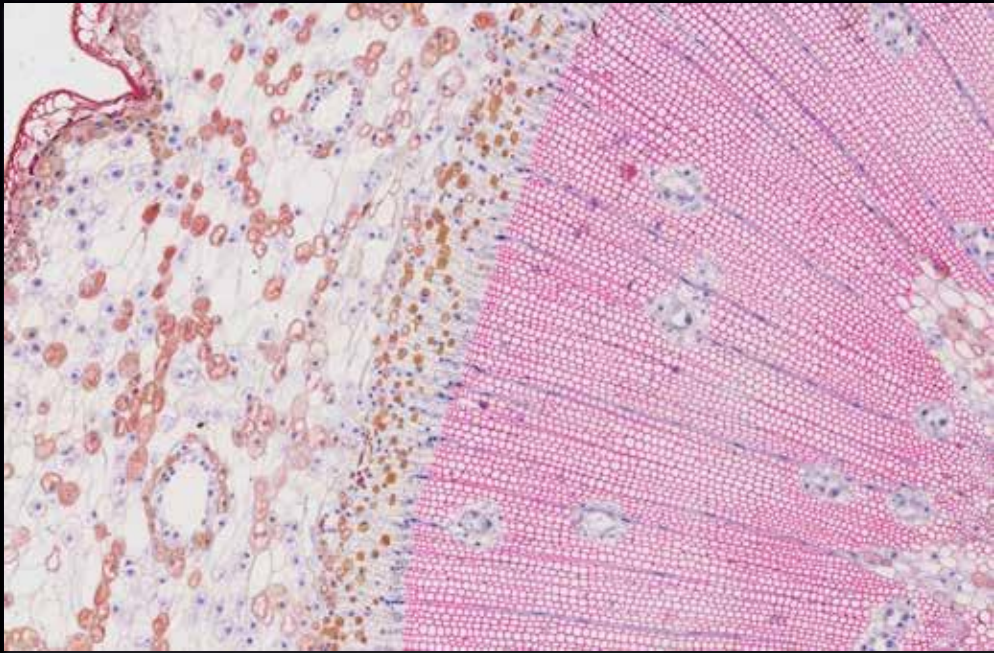


Region of Interest

The M8 is a truly smart microscope: Our Live-Stitching feature concatenates individual pictures taken at the resolution of the objective within seconds to a full-screen, single picture. This gives you an amazingly large field of view not seen in microscopy yet and makes the change of objective redundant. Your work gets faster and easier.

Single pictures taken at the resolution of the objective are concatenated within seconds to a full-screen, single picture.

Field of view when working with the M8 from Histo-Line. Thanks to the intuitive operating concept, you zoom seamlessly through the slide. While doing so, the Live-Stitching feature and the automated x-y-stages support you with the largest field of view possible at any position and magnification.

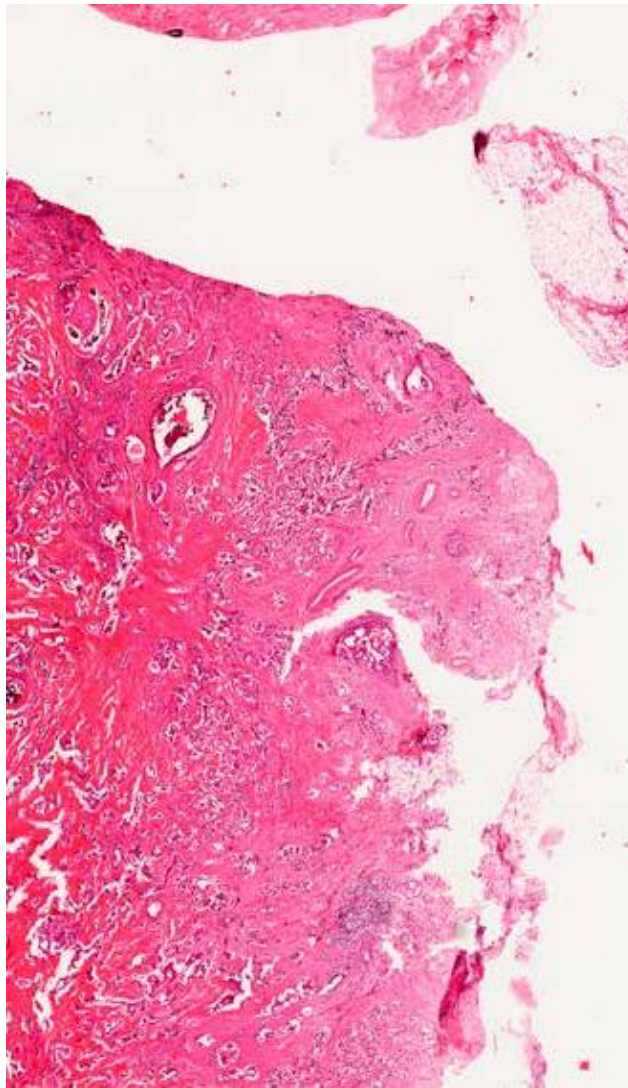


Field of view when working with a normal digital microscope, 10x objective



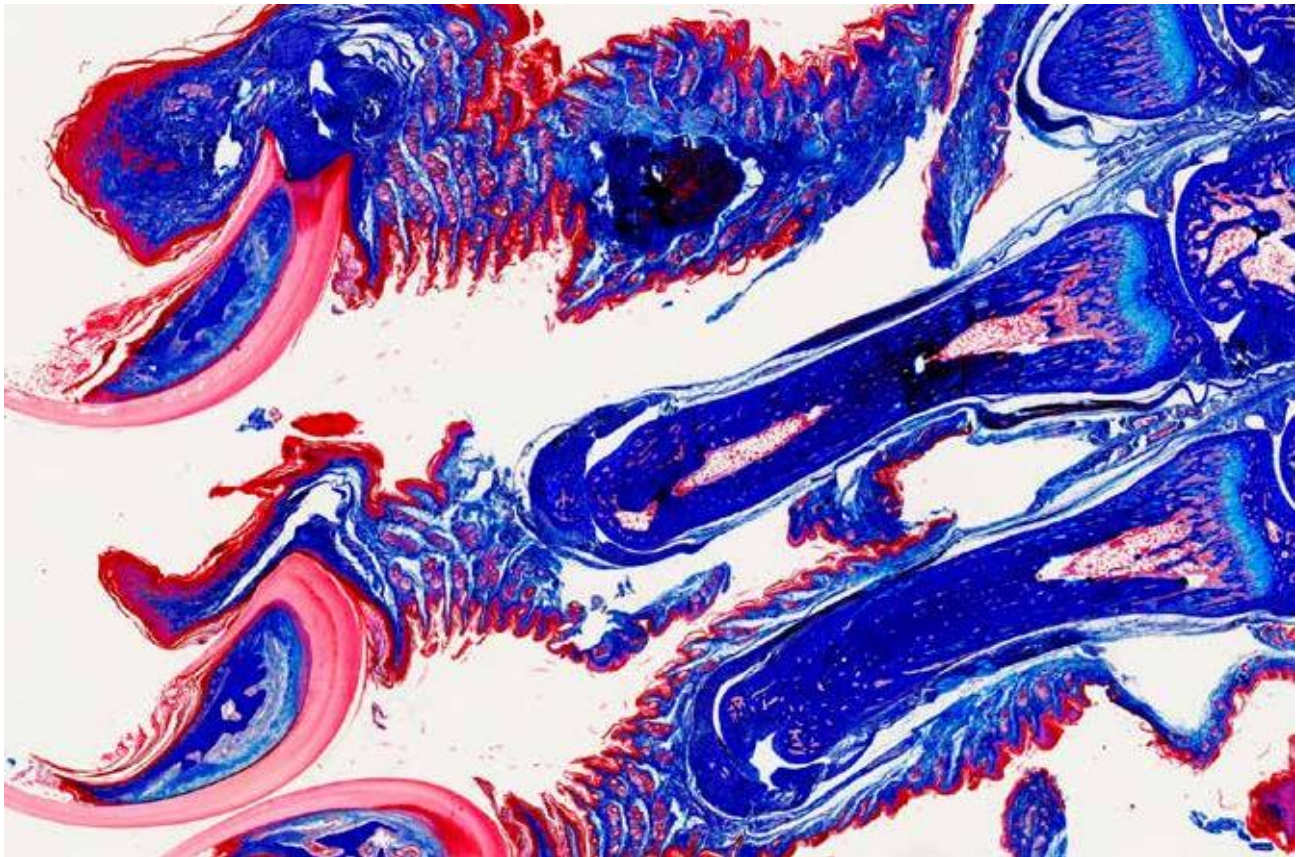
Fascination



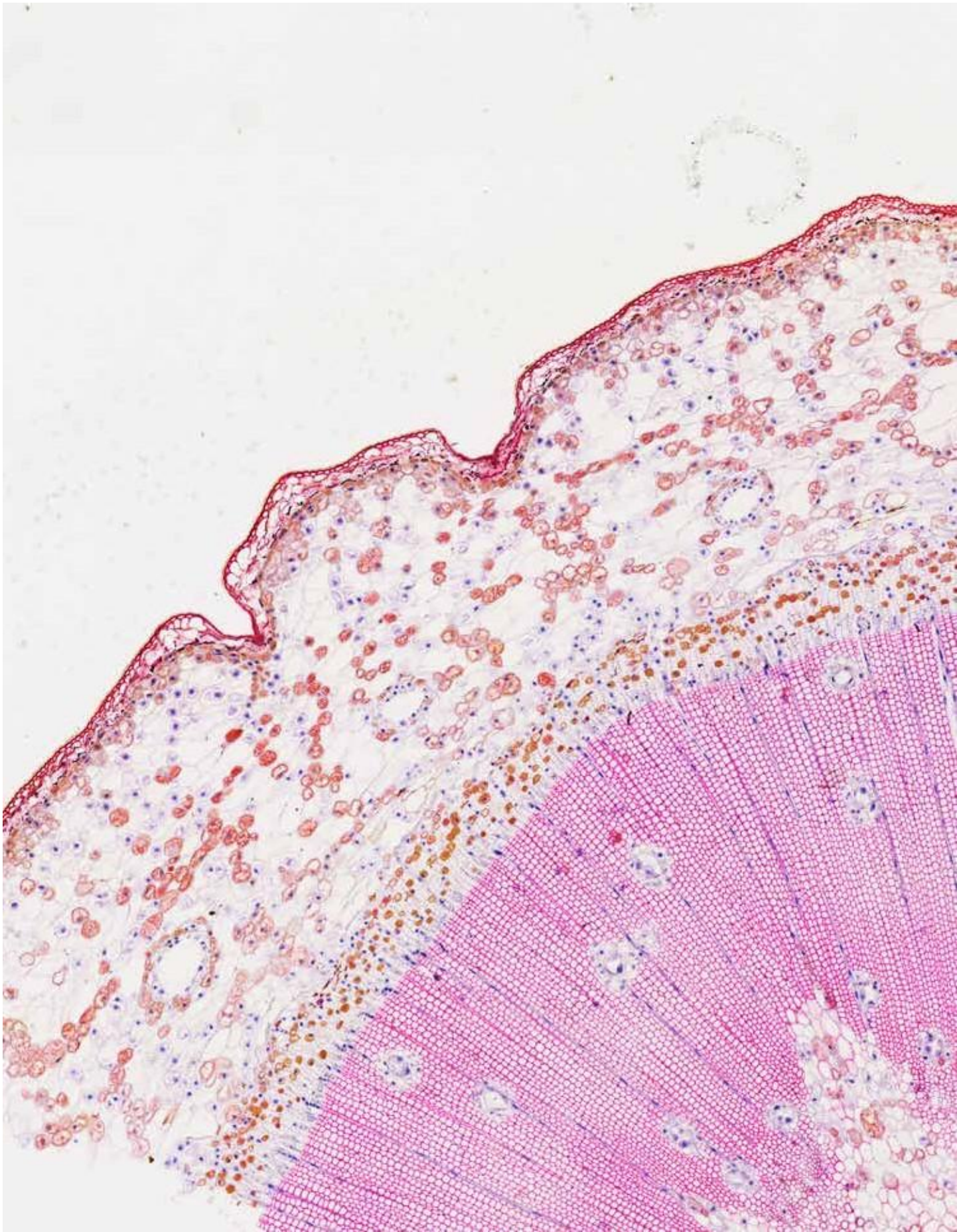


Cancer
Magnification 2x

Problems fascinate us. Finding new ways, possibilities and solutions is our passion. Along the way, we never forget to appreciate the beauty of the microcosm.



Hindpaw, Rat
Magnification 40x

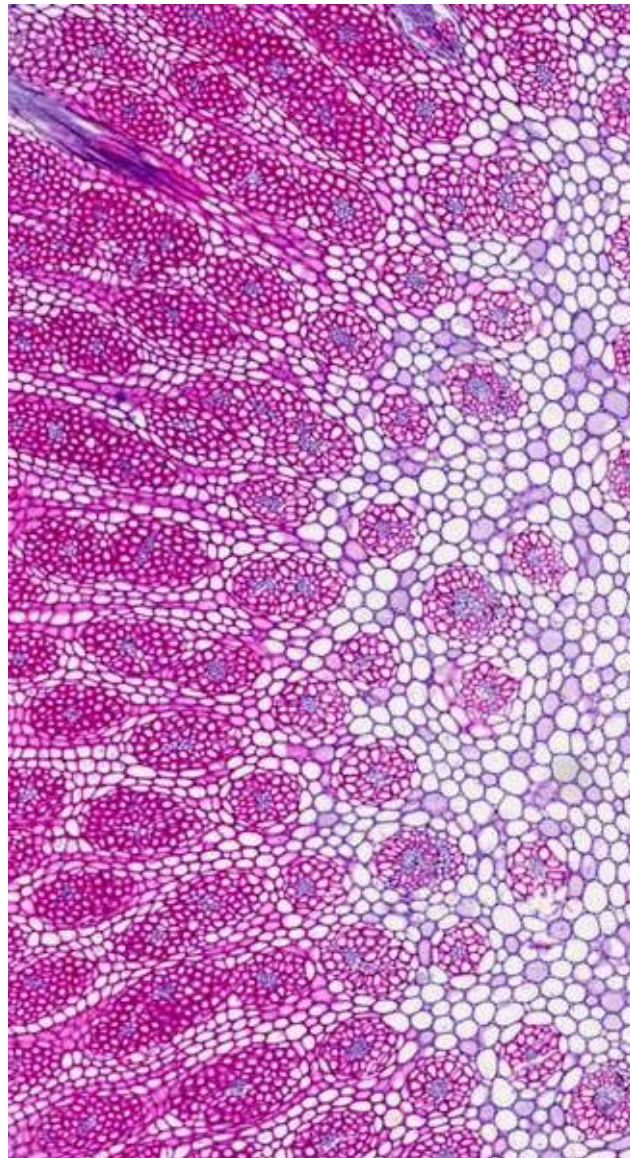


Trunk of Pine
Magnification 20x





Limewood
Magnification (20x): 5.22 x



Sprout, Dragon Tree
Objective Magnification 20x

Focus



0 s Insert slide

How much more focused could life become, if your work flow would be tailored to your needs? In under 60 seconds, the M8 from Histo-Line gets work done that has previously taken hours. Save time, stay focused.



10 s Overview

The overview picture helps you to find your region of interest and you may use it for direct navigation within the slide.



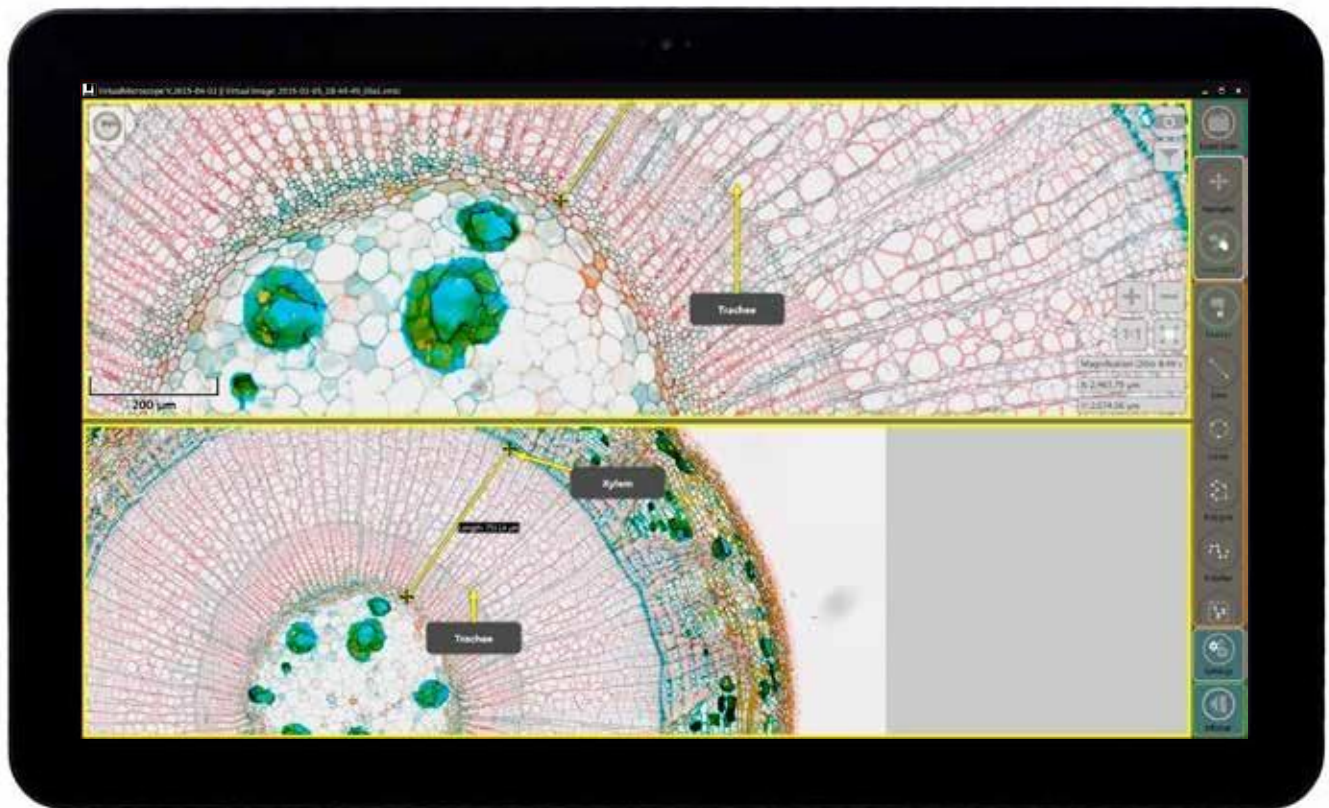


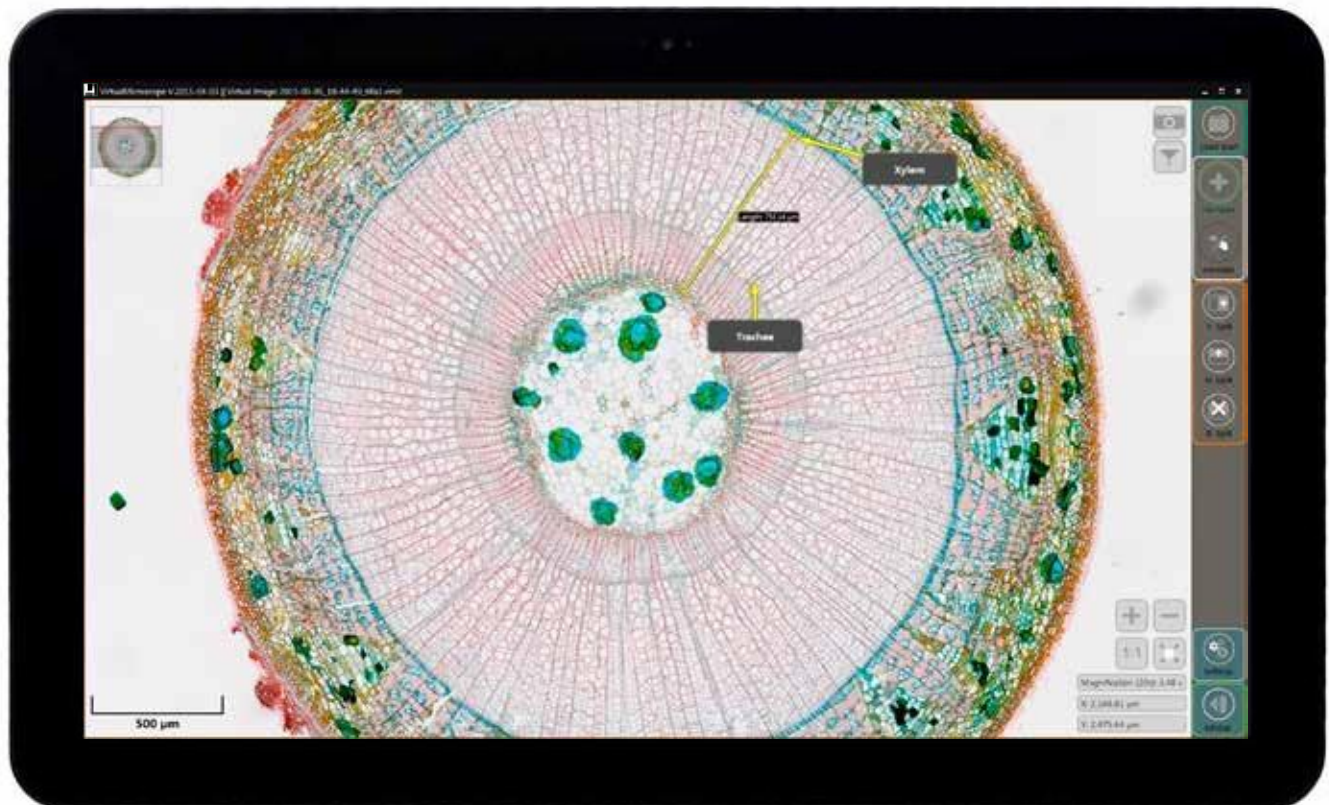
15 s Details

The M8 from Histo-Line is a truly smart and digital microscope. Enabled by the intuitive operating concept, you zoom seamlessly through the slide as if you could examine the sample with your own hands. While doing so, our Live-Stitching feature and the automated x-y-stage concatenate individual images to a full screen single picture, making your work easier and faster.

30 s Findings

Annotations, measurements, multiple fields of view and other software based applications empower you and your work.





60 s Digitized

Use your resources efficiently: screen shots as well as partial and full slide scanning in different qualities enabled digitization and processing of your work in less than 60 seconds. Save time - stay focused.

Clarity



Remote Clarity

The M8 from Histo-Line enables you to work whenever and wherever required. Access and operate the M8 remotely and in real-time (telepathology) and connect, share and discuss your findings with your colleagues and specialists from all over the world. Clarity is key.

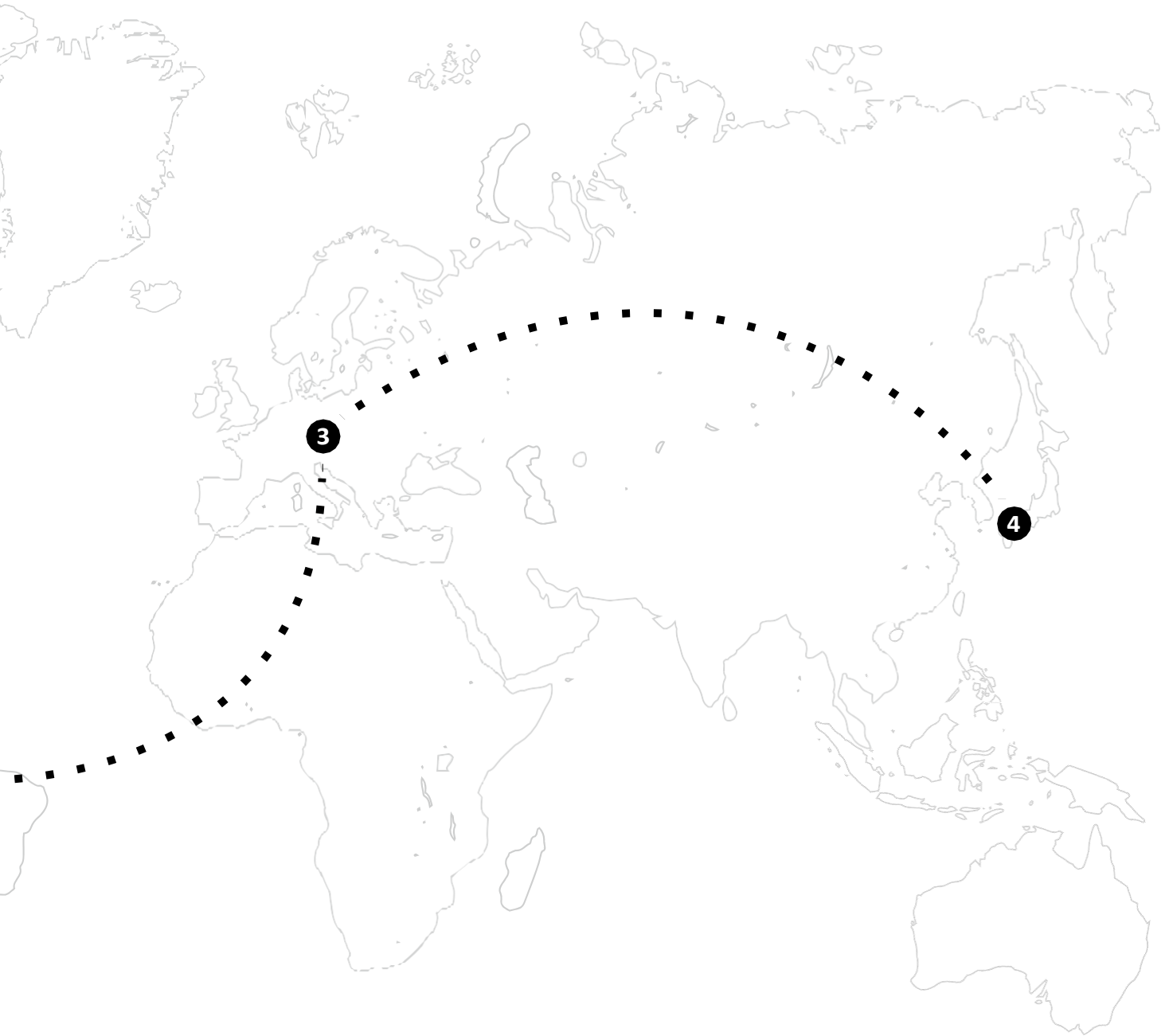
1 Peter
asks his colleague
Daniel to have a look
at the slide.

2 Daniel
Operates the M8
located in the US
remotely and shares
the screen in real
time with Fritz.

3 Fritz
Sends the digitized
slide to Akira.

4 Akira
Finds the solution.





In brief

Technical data and key features of the M8

Microscope	Computer and Software
Overview picture; bar code recognition possible	Recommended: Dell XPS One 27 Multitouch, Win 8.1. or 10
Live Stitching: Concatenation of individual pictures taken at the maximum resolution of the objective within seconds to a full screen single picture	Connection from computer to M8: USB 3.0
1x-350x Zoom, Live-Stitching makes change of objective redundant	Image formats: PNG, JPEG, TIFF, BMP, VMIC, HTML Editable formats: CSV / XLS
Transmitted light; supported objectives: 10x, 20x, 40x, 60x, 100xAsk us for detailed specifications	Software included
Easy, intuitive and ergonomic handling via touch screen	Digitization /Scanning
Automatedx-y-stage 25x75mm (2 slides) or 50x75mm (1 slide)	Scans (full or parts) and screen shots created within 60 seconds
Automated Z-axis; Z-stacking	15 x 15mm: 7min (40x magnification)
Annotations, measurements	4 different scanning modes (quality, speed)
Optional software based applications and analytics	Scanning resolution: 20x, 0.5 NA: 0.32 µm/px; 40x, 0.75 NA: 0.16 µm/px
45cm x 40cm x 30cm; 25kg	Remote and real-time access

1x – 350x

Zoom, Live-Stitching makes
change of objective redundant

0.16 $\mu\text{m}/\text{px}$

Scanning resolution: 20x,
0.5 NA: 0.32 $\mu\text{m}/\text{px}$;
40x, 0.75 NA: 0.16 $\mu\text{m}/\text{px}$

60 s

Scans and screen shots created within
60 seconds, 4 different modes available



M8





Front
M8 from Histo-Line

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Book a remote-session and
test the M8 from Histo-Line
right from your own premises.

