



medline
— s c i e n t i f i c —

Inspired Solutions for your Laboratory

 precipoint

M8 Microscope and Scanner

Content



**The M8 by PreciPoint —
German 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 PreciPoint 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.

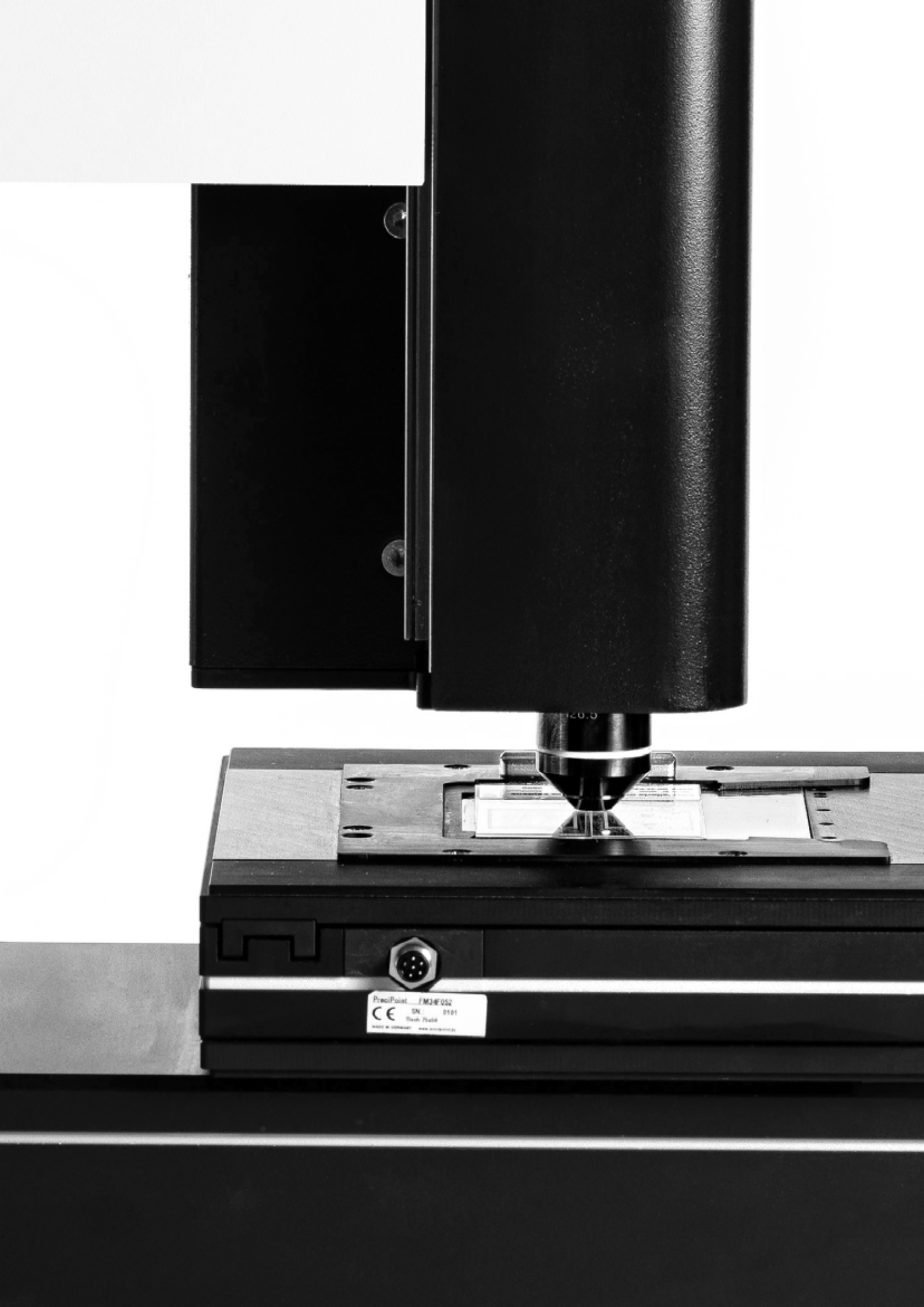
P. 18 — 29

Clarity

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

P. 30 — 37

Simplicity



PreciPoint FM3H 052
CE SN 0101
Tech-Point
MADE IN GERMANY www.tech-point.de

User Interface

The M8 from PreciPoint 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 from PreciPoint 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.

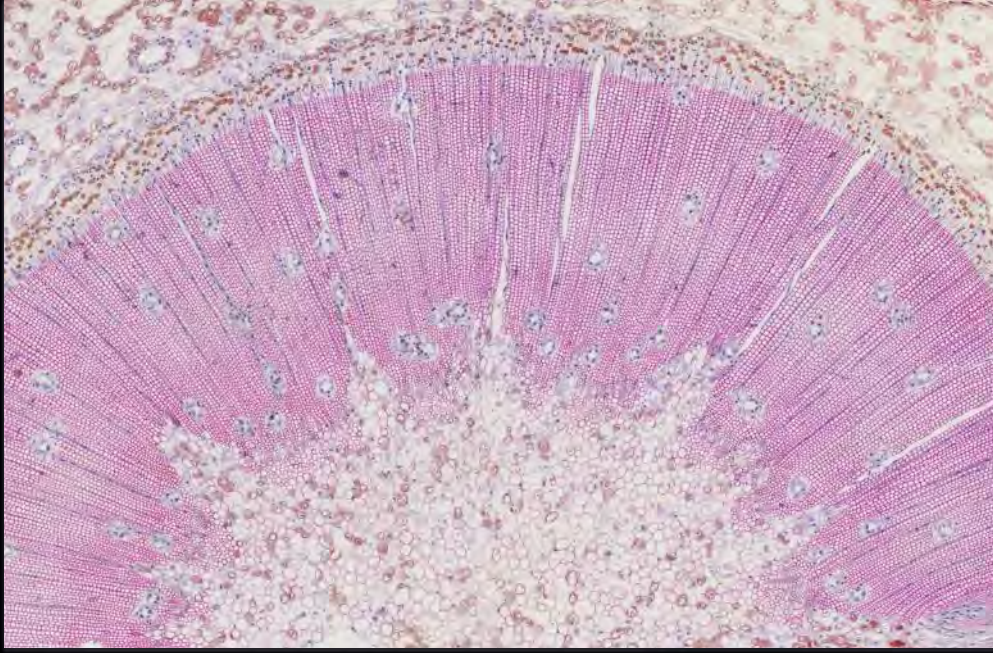


Region of Interest

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

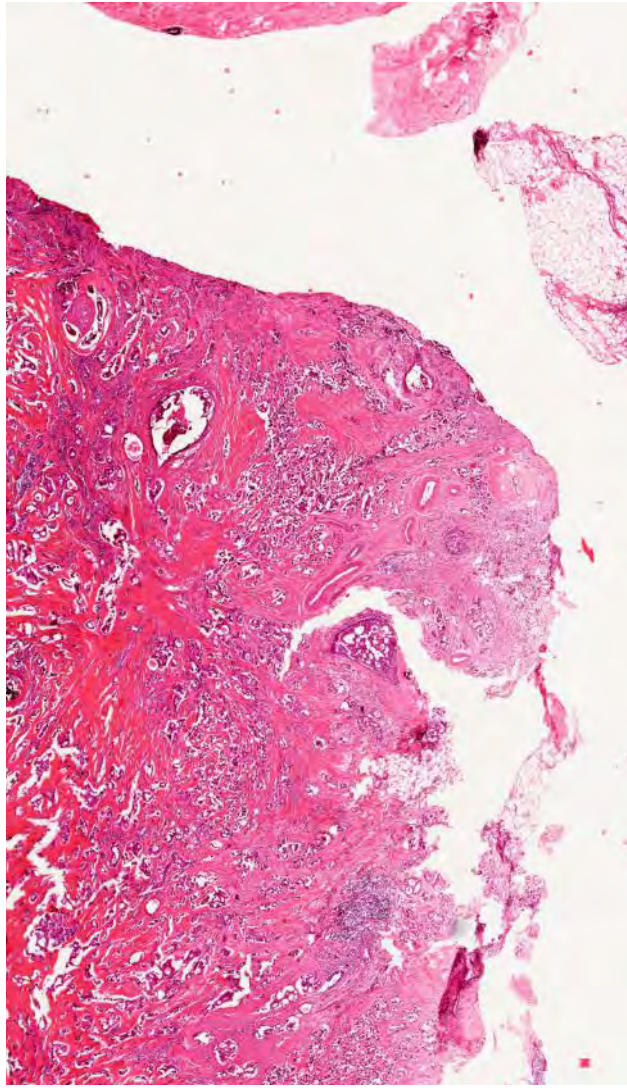


Field of view when working with a normal digital microscope, 10x objective



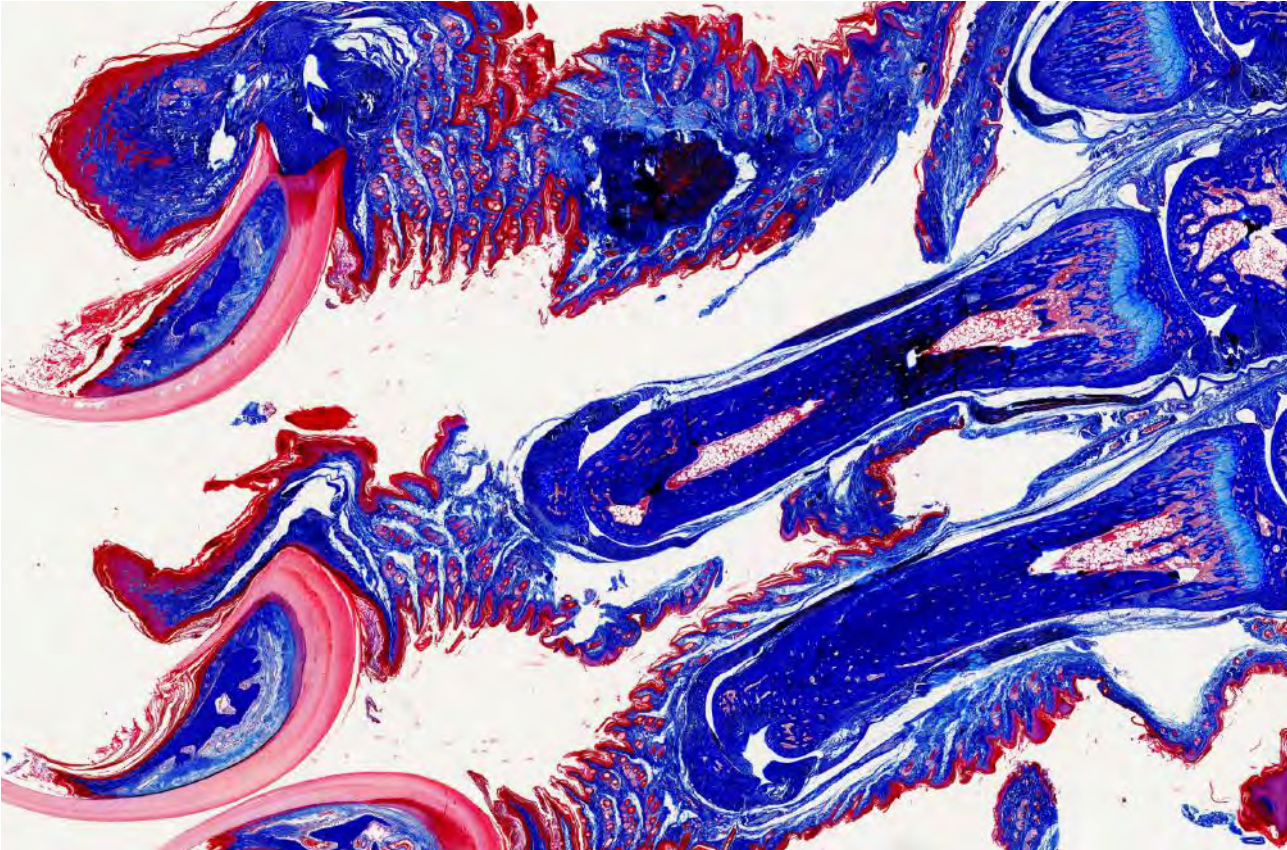
Fascination



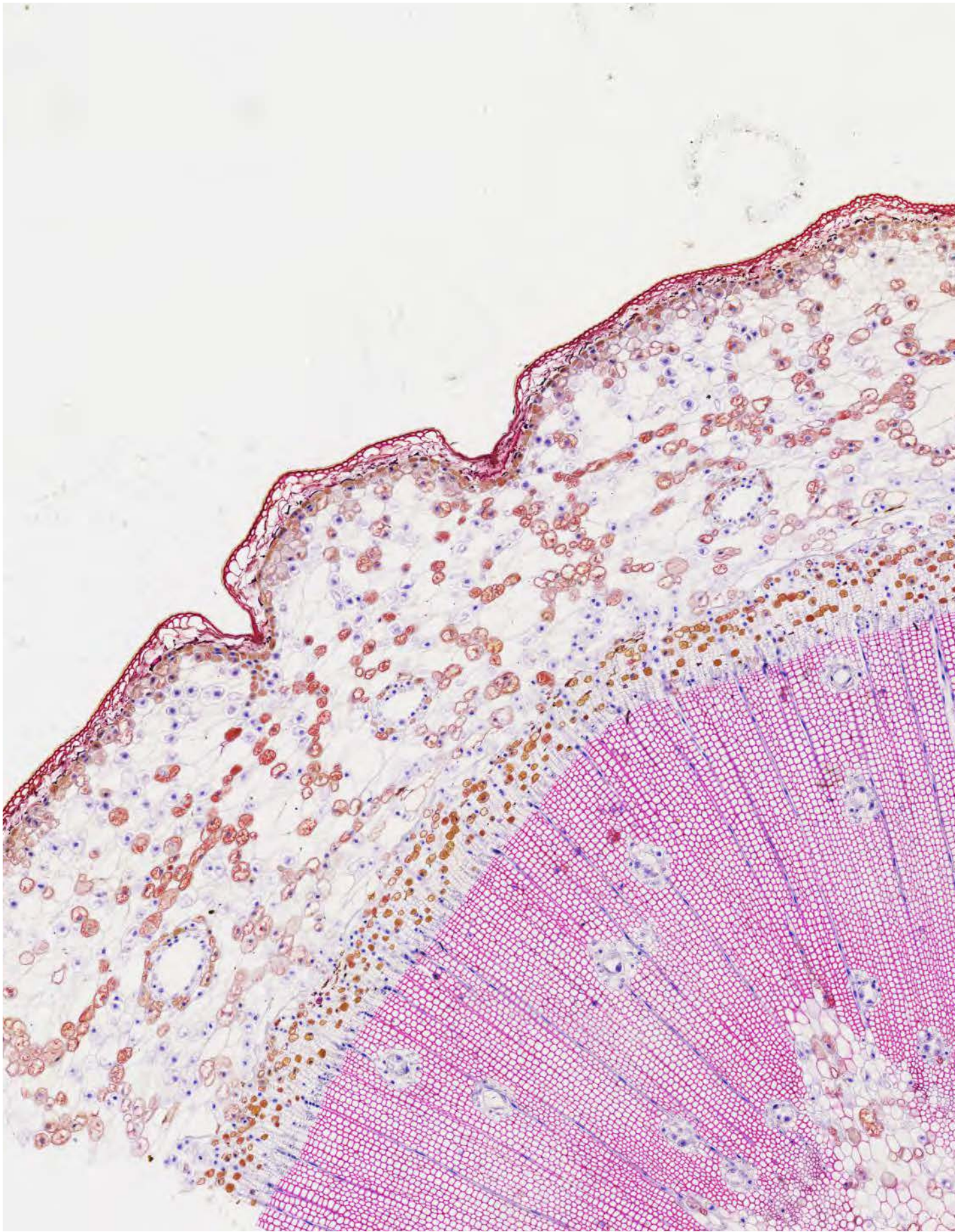


Cancer
Magnification 2x

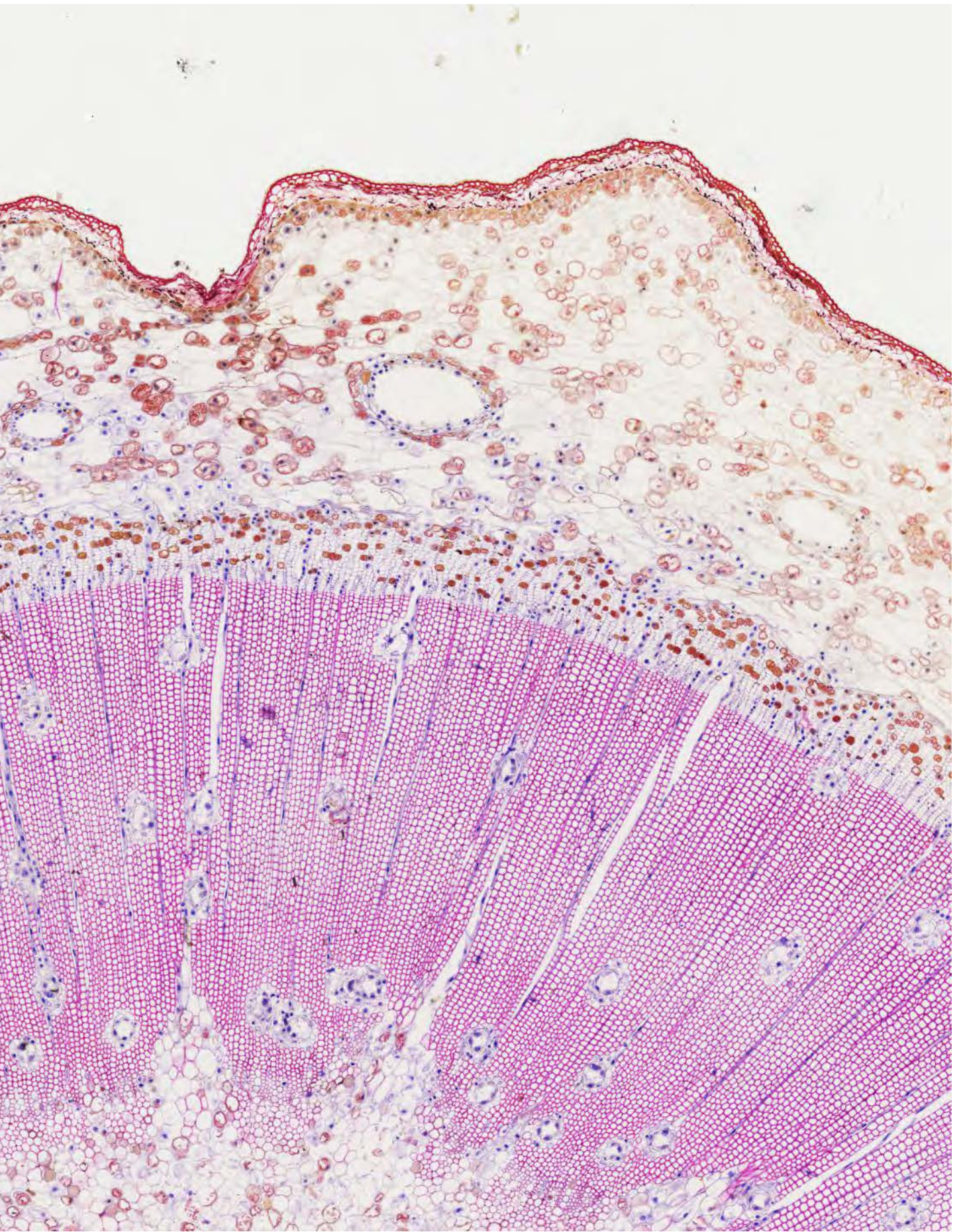
Problems fascinate us. Finding new ways, possibilities and solutions is our passion. Along the way, we never forget to appreciate the beauty of the microcosm.



Hindpaw, Rat
Magnification 40x

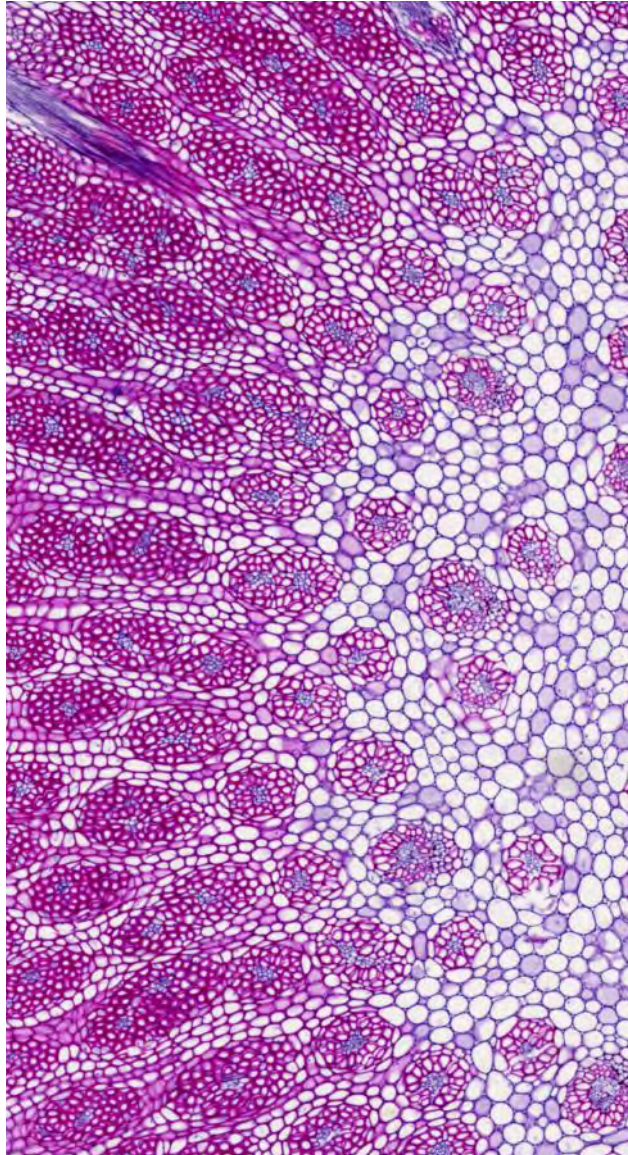


Trunk of Pine
Magnification 20x





Limewood
Magnification (20x): 5.22 x



Sprout, Dragon Tree
Objective Magnification 20x

FOCUS



∞ / 0.17 / FN20

Amministrativa m...

0 s

Insert slide

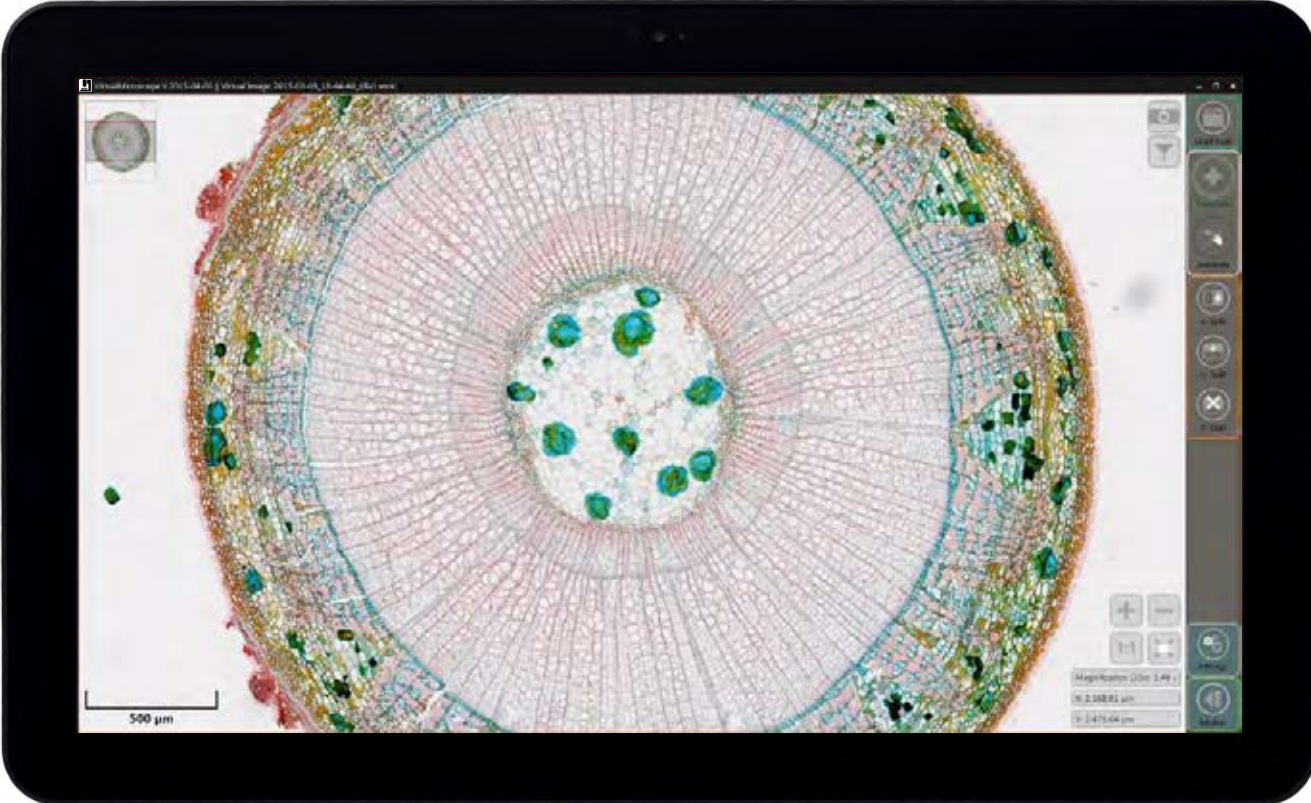
How much more focused could life become, if your work flow would be tailored to your needs? In under 60 seconds, the M8 from PreciPoint gets work done that has previously taken hours. Save time, stay focused.



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.





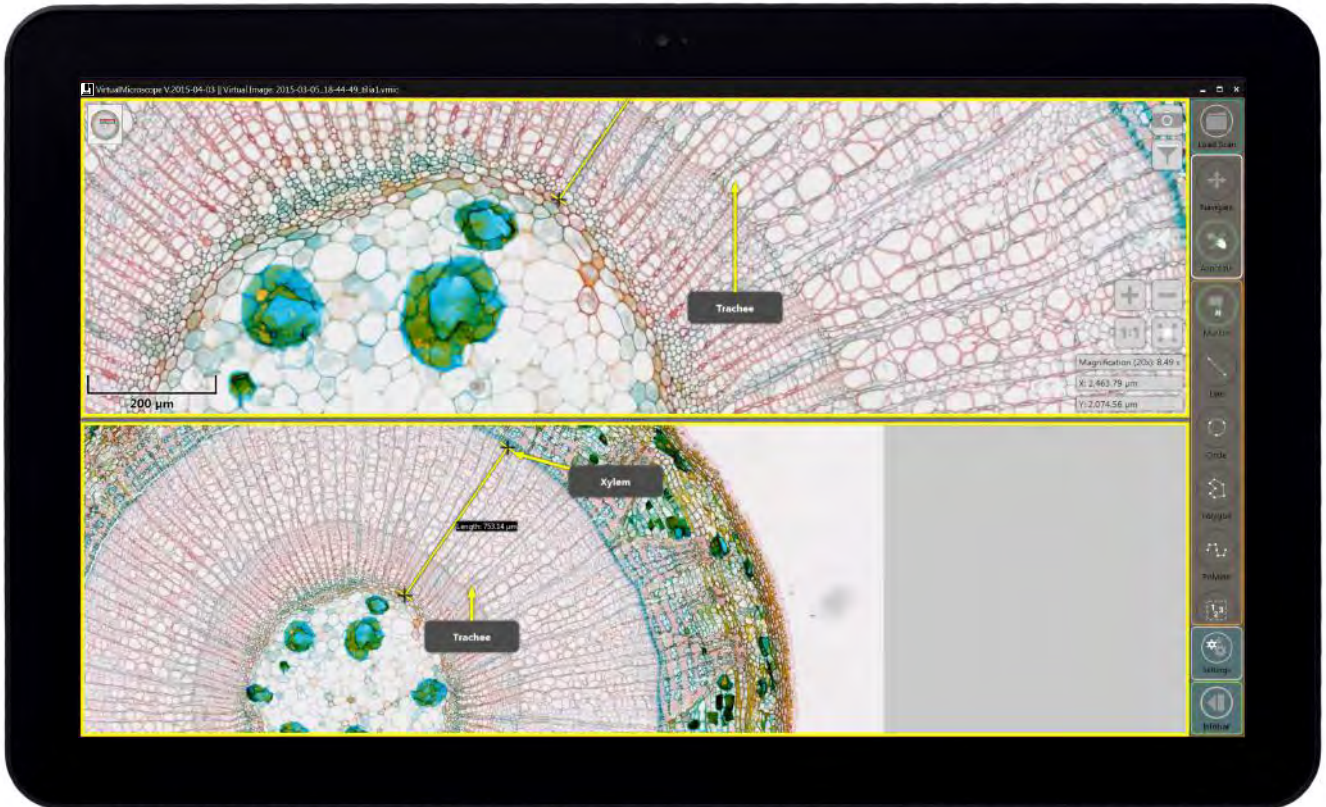
Live-Stitching, automated x-y-stage: Experience an amazingly large field of view.

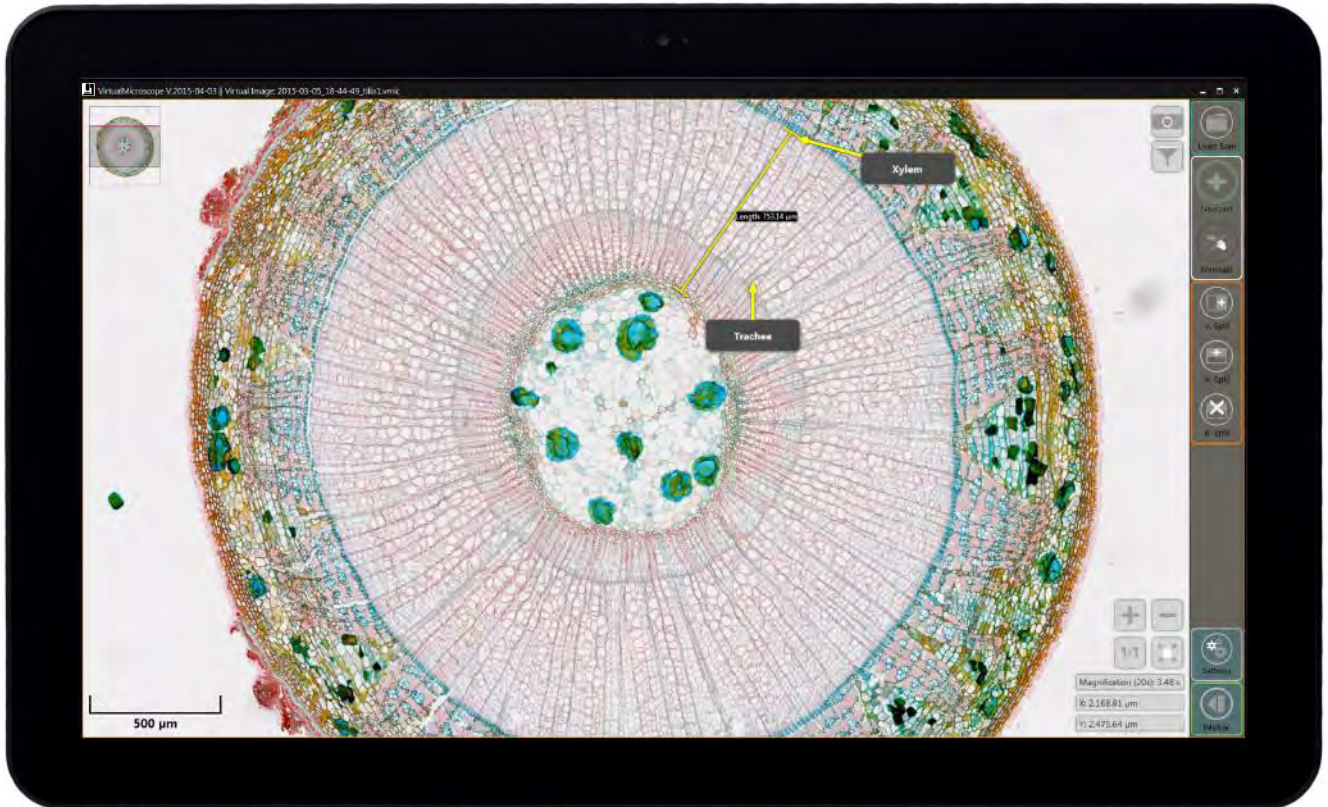
15 s Details

The M8 from Precipoint 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 enable digitization and processing of your work in less than 60 seconds. Save time - stay focused.

Clarity



Remote Clarity

The M8 from PreciPoint 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**

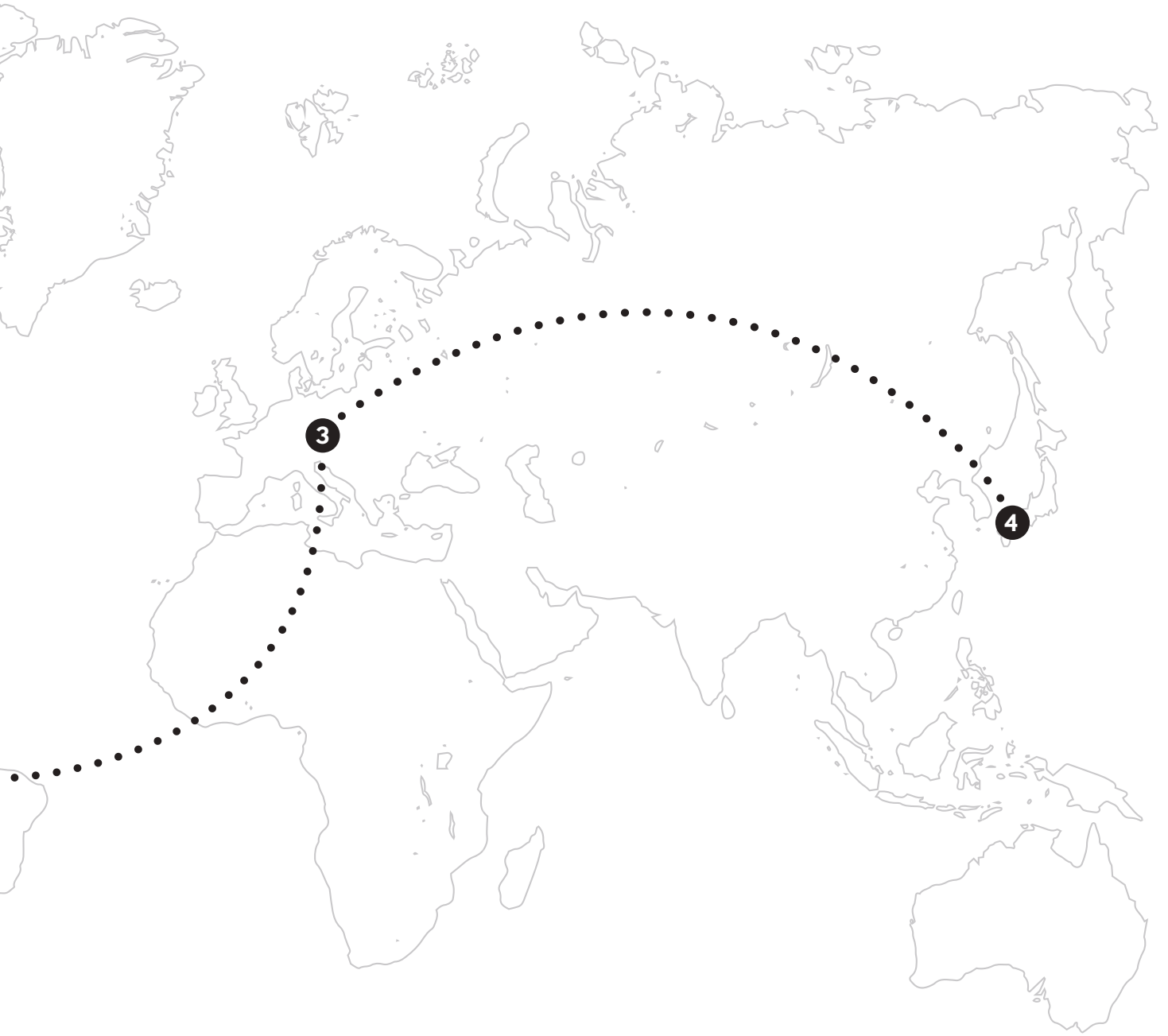
Operates the M8 located in the US remotely and shares the screen in real time with Fritz.

3 **Fritz**

Sends the digitized slide to Akira.

4 **Akira**

Finds the solution.



In brief

Technical data and key features of the M8

Microscope

Overview picture; bar code recognition possible

Live Stitching: Concatenation of individual pictures taken at the maximum resolution of the objective within seconds to a full screen single picture

1x-350x Zoom, Live-Stitching makes change of objective redundant

Transmitted light; supported objectives: 10x, 20x, 40x, 60x, 100x Ask us for detailed specifications

Easy, intuitive and ergonomic handling via touch screen

Automated x-y-stage 25 x 75mm (2 slides) or 50 x 75mm (1 slide)

Automated Z-axis; Z-stacking

Annotations, measurements

Optional software based applications and analytics

45cm x 40cm x 30cm; 25kg

Computer and Software

Recommended: Dell XPS One 27 Multitouch, Win 8.1. or 10

Connection from computer to M8: USB 3.0

Image formats: PNG, JPEG, TIFF, BMP, VMIC, HTML
 Editable formats: CSV / XLS

Software included

Digitization / Scanning

Scans (full or parts) and screen shots created within 60 seconds

15 x 15mm: 7min (40x magnification)

5 different scanning modes (quality, speed)

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

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, 5 different modes available



M8



Side
M8 from PreciPoint



Front
M8 from PreciPoint

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

Send an email to enquiries@medlinescientific.com
including your preferred date and contact data,
subject "Remote session".

—
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