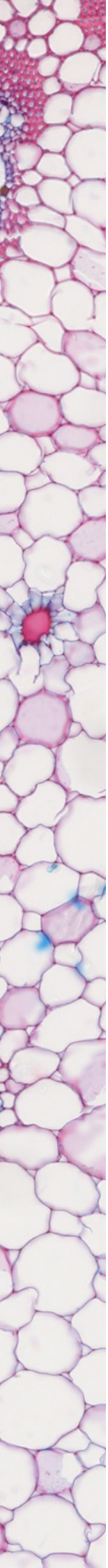


M8 Microscope and Scanner

precipoint

M8

PreciPoint M8

Dual digital microscope & scanner to accelerate and digitize your workflow

All-in-one device

The M8 serves both as a microscope and a scanner, thus offering completely new possibilities for your workflow.

Page 4

Digitize your workflow

View a 15x15mm area within seconds at the highest resolution and image quality. Scan and save your images for future examinations.

Page 5

Live remote control

Control the M8 from anywhere at anytime and simultaneously work with colleagues for second opinions.

Page 6

Empower your application

The M8 is the perfect working tool for various applications.

Page 8

Cloud and image analysis

Empower your work with cloud solutions, virtual classrooms, and powerful image analysis tools.

Page 10

Made in Germany

PreciPoint products are made and engineered in Germany since 1982.

Page 14

All-in-one device

Accelerate your workflow with the
M8 Microscope and Scanner

The M8 is an all-in-one device that offers completely new possibilities for your workflow. The M8 is equipped with three different modes - Live, Instant Scan, and Slide Scan. With these three modes combined, the M8 serves both as a microscope and a scanner. It allows you to directly work on your sample, perform various analyses, and to scan your slides for documentation and future viewing. With its live remote control capability, the M8 can also be controlled from all over the world. Thanks to its entirely automated hardware, you can work on a sample from anywhere, just as if you were right next to the device.

Let your work get faster, easier, and smarter with the M8 Microscope and Scanner.

Different operating modes tailored to diverse workflows

The Instant Scan mode is a world's first and unique to PreciPoint

Live Mode
The Live Mode offers capabilities of a digital microscope. See the sample live, and zoom through the sample to view different layers and structures in your specimen. The overview image helps you to orientate and navigate.

Instant Scan Mode
The Instant Scan mode is unique to PreciPoint. It gives you a large field of view of a digital scan with the speed of a microscope. Access a 15x15mm area within seconds at high resolution. Perform analyses, look for rare happenings, make annotations, take notes, and then digitize everything. Generate all the reports you need.

Slide Scan Mode
Achieve highest quality scans to digitize your microscope slides. Scanning your selected region of interest (ROI) or whole slide imaging (WSI) is possible, regardless of the sample's thickness, size, and difficulty (e.g. cytology and osteology slides).

Digitize your workflow

Uses of the M8

Research	Education	Remote Control	Conferences
Speeds research by quickly digitizing images	Project microscope onto large screen when exploring specimen	Access samples from anywhere at anytime	Project microscope onto large screen when exploring specimen
Ergonomic large touch screen makes long research hours easier	Eliminates need for a microscope and slide per student	Save travel time and shipping costs	Overview image helps you and the audience to orientate
Increases accuracy with annotation tools	Provide comprehensive overview in high quality	Work from home, virtually consult colleagues	Provide comprehensive overview in high quality
High quality slides scans for publications and documentation	Annotate samples together live	Have full control of microscope without directing technician	View and analyze live images together
Work from home with virtual microscopy	Scan and share images after class	Save scan wait time	Remote presentations possible
Receive consultations with remote control immediately	Work from home, create virtual classrooms	Eliminate on-call traveling physicians	Save travel time and shipping costs

Discover more use cases at:
PreciPoint.com/discover

Live remote control

Access the M8 from anywhere at anytime

Users can log into the M8 from anywhere in the world, directly steer the M8 live, offer their opinions remotely, and even participate in consultations from their own offices. These are a few of the many benefits that the M8 offers with its live remote control capabilities. You no longer have to use hefty dual or multi headed microscopes. No more scanning the sample beforehand. No more traveling. No more shipping slides.

Thanks to the fully automated and motorized M8 Microscope & Scanner, users can access and control the M8 from afar and steer the M8 live and instantly. Live remote control is possible on computers, laptops, tablets, and even smart phones. Evolve the way you participate in teaching, conferencing, collaboration, second opinion consultation, and more.

Benefits of live remote control
Access samples from anywhere at anytime
Simultaneous viewing for multiple users for second opinions
Top image quality with large field of view within seconds
View different layers with manual focus plane adjustment
Save travel time and shipping costs
Save scan waiting time
No worries about scanner sensitivity and unfocused images
Easy handling and cleaning when switching between fresh sample slides

❶

Elizabeth connects with Fritz

While examining a slide in Houston, she asks her European colleague Fritz for instant consultation.

❷

Fritz uses live remote control

Fritz personally steers the M8, located more than 9,000 km away. He can instantly analyze the sample. Fritz asks two more specialists for their opinions.

❸

Jay and Patrick find the solution

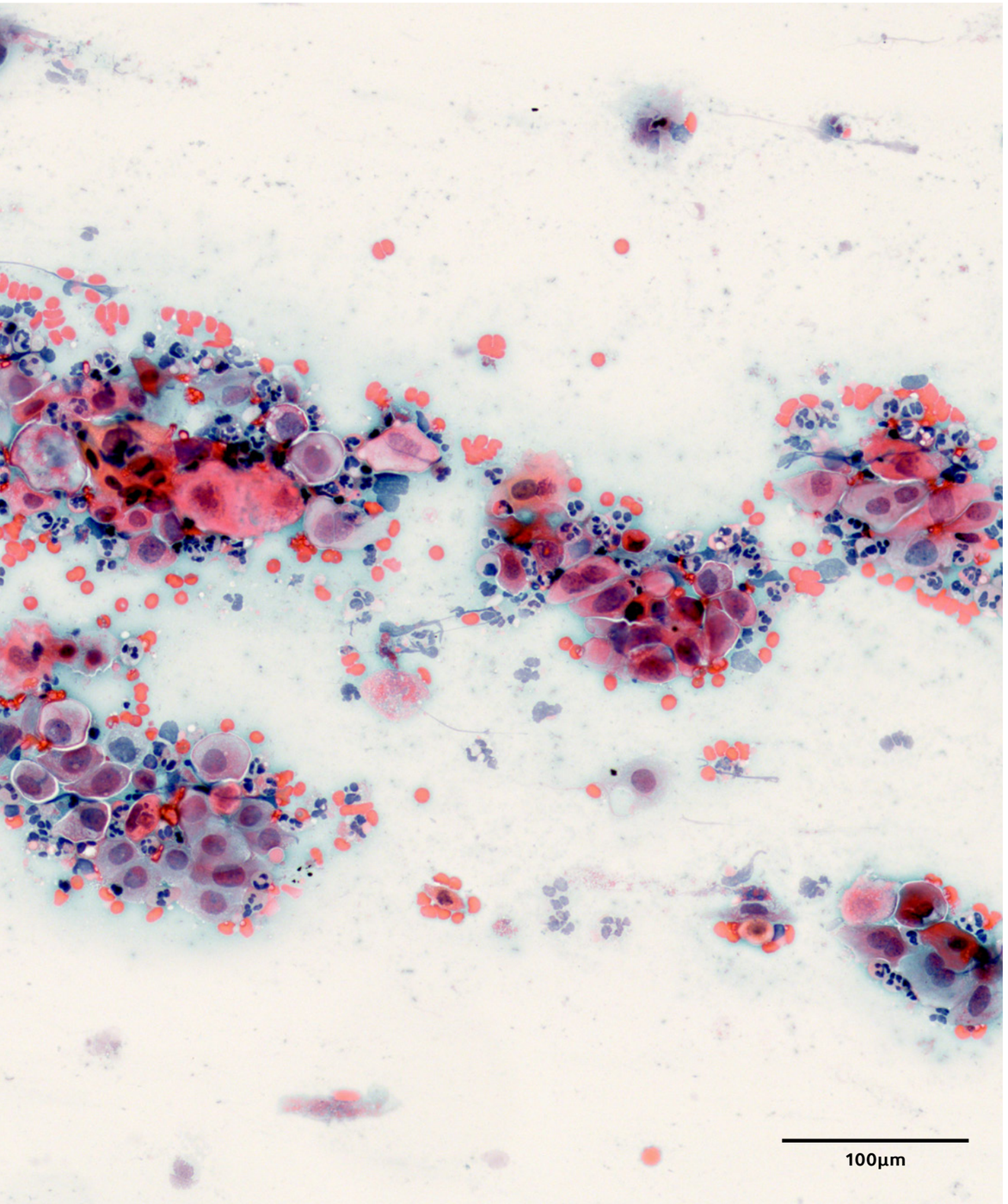
The two specialists in Beijing observe the sample simultaneously with Elizabeth and Fritz. Together as a team, they find the solution.

Empower your application

The M8 is the perfect working tool for various applications

Cytology

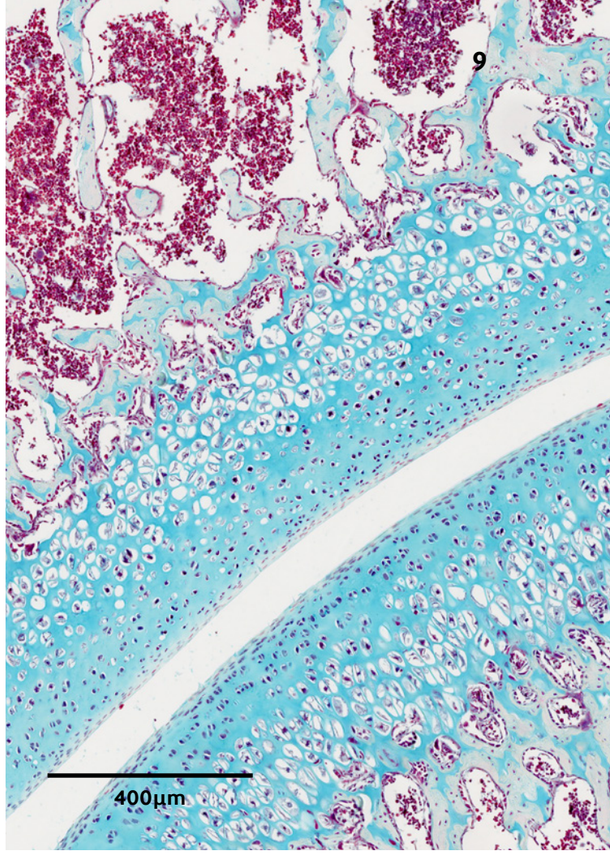
Gynecology – 40x objective



Learn how the M8 will accelerate your application:
PreciPoint.com/applications

+

and many more

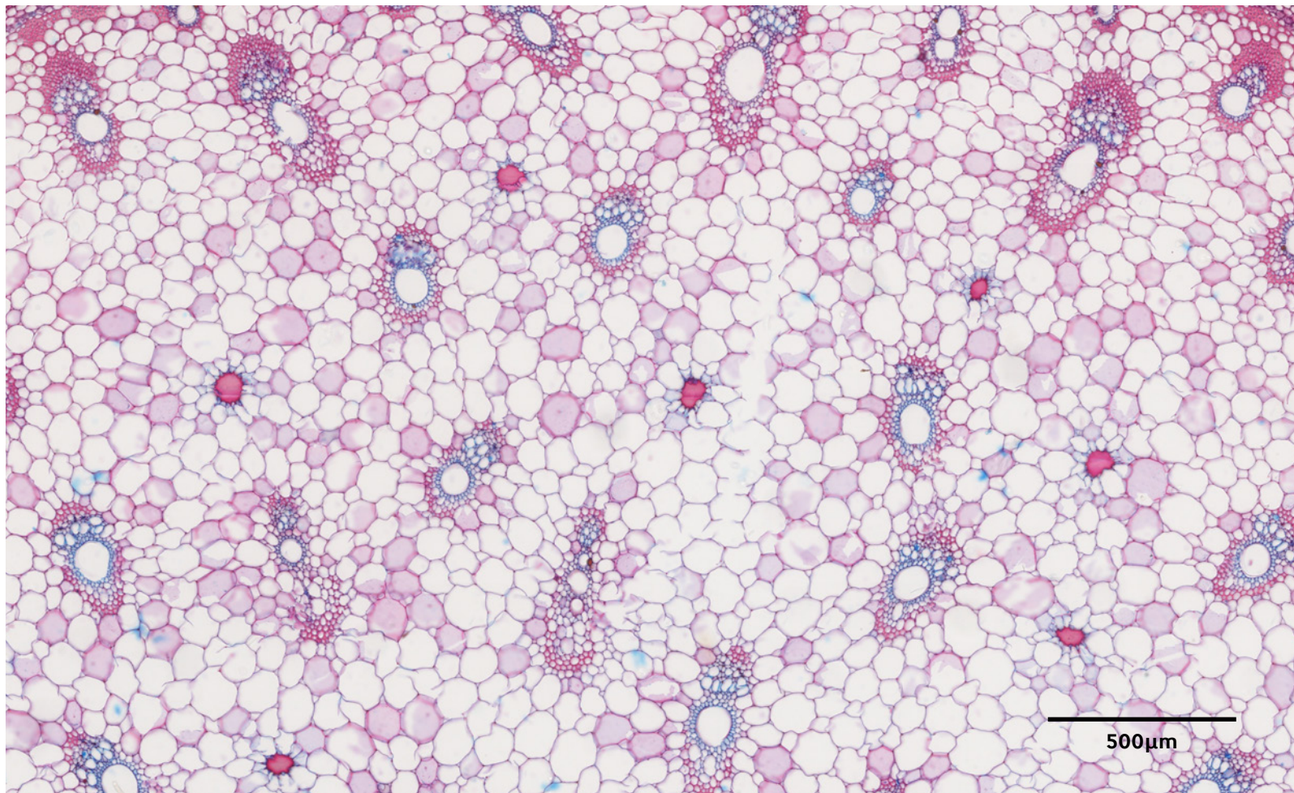


Orthopedics

Rat knee – 60x objective

Botany

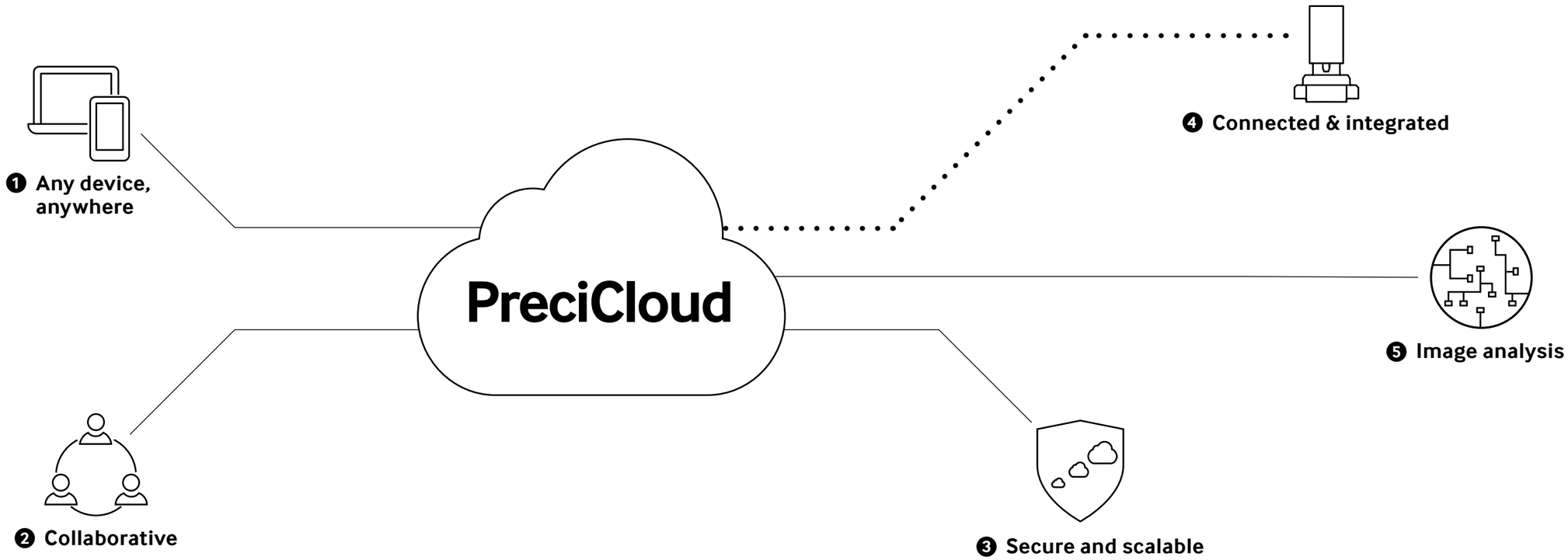
Canna – 20x objective



Cloud and image analysis: PreciCloud

Visit **www.Preci.Cloud** to go virtual

Centralize and digitize your workflow on our secure web-based platform – PreciCloud



1 Work seamlessly from wherever you are
Store, view, share, and access your digital images and slides from anywhere in the world with any device. Our web-based solution works both in desktop and mobile browsers. The platform will provide everything you need to organize your tasks and projects of any size.

2 Set up collaborative workflows & virtual classrooms
The comprehensive tools available on PreciCloud enable you to set up virtual classrooms, collaborative workflows, as well as second opinion consultation. Experts and colleagues can easily interact simultaneously while working in different locations.

3 Secure and scalable
PreciCloud is perfectly adapted for your data: Within our platform, users have the option to control sharing rights and permissions, as well as to have access to logs for documenting or auditing purposes. Our cloud platform is inclusive, secure, and scalable.

4 Full integration to your PreciPoint products
All PreciPoint solutions are connected and fully integrated. You may upload your scans from a PreciPoint microscope and scanner directly onto PreciCloud. Share and access your slides virtually without needing to transfer files manually.

5 Use image analysis to empower your work
PreciPoint provides a collection of powerful and automated analysis tools that use cutting edge image recognition and machine learning algorithms. Pre-analysis is made possible with the help of a deep learning approach for final review by users.

In brief

Technical data and key features of the M8

Microscope and Scanner

Operating modes tailored to diverse workflows:	Live-mode, InstantScan mode, SlideScan-mode
Light:	Transmitted Light; LED, brightfield
Barcode scanning:	Yes
Supported objectives:	20x to 60x air (Olympus)
Seamless zoom:	Live-Stitching makes objective changes unnecessary
Dimensions:	45 cm x 40 cm x 30 cm; 25 kg
Automated Microscope:	X-Y-stage automated, Z-axis automated
Handling:	Controlled with computer; Live remote control due to automation

Digitization

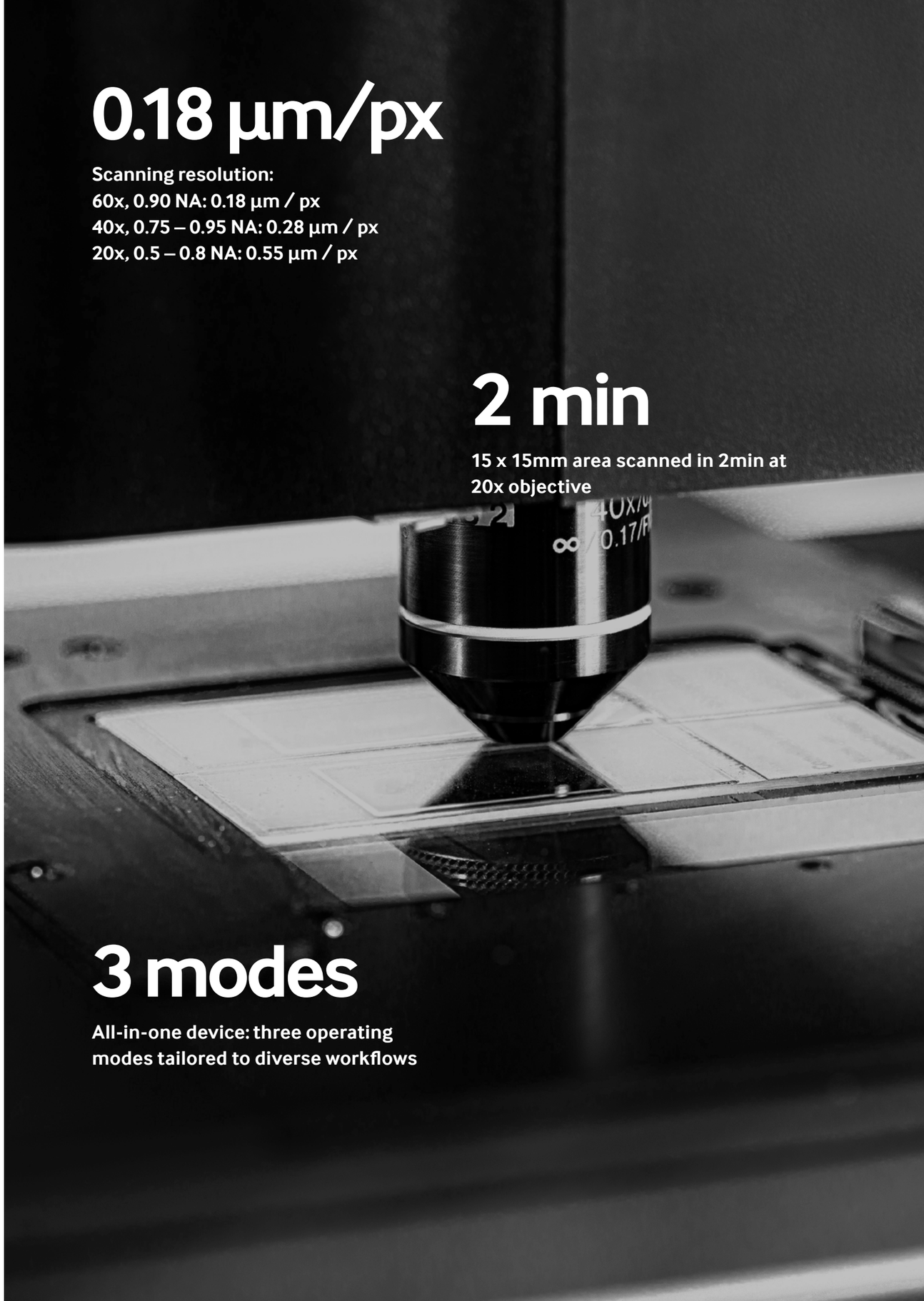
Scanning parameters:	Whole Slide Imaging or partial digitization
Scanning algorithms:	Different scanning algorithms tailored to different slide qualities
InstantScan-mode:	Large field of view within seconds at high resolution
Scanning speed per slide with 20x:	2 min[1]
Scanning resolution with 60x:	0.9 NA: 0.18 µm/px
Scanning resolution with 40x:	0.75 – 0.95 NA[2]: 0.28 µm/px
Scanning resolution with 20x:	0.5 – 0.8 NA[2]: 0.55 µm/px
Slide capacity:	25 x 75 mm (2 slides) or 50 x 75 mm (1 slide)
Z-Axis Resolution:	25 nm
XY-Axis Resolution:	78 nm
Z-Stacking:	Yes (up to 450 µm range)

Cloud, Image Analysis, and Computer

Operating software:	MicroPoint included
Viewer software:	ViewPoint* included (unlimited users)
Storage:	PreciCloud slide storage
Image analysis:	Several software applications on request, based on customer needs
Computers:	Various computers recommended and approved by PreciPoint
Microscope computer connection:	USB 3.0 Cable
Image output formats:	PNG, JPEG, TIFF, BMP, VMIC, XLS, and many more

RUO (intended for use in non-clinical laboratory research)
Technical specifications Subject to change without notice

[1]Dependent on sample preparation, scan parameters and objectives; 15x15 mm
[2]Dependent on used objective
**Free download of ViewPoint on www.precipoint.com*



0.18 µm/px

Scanning resolution:
60x, 0.90 NA: 0.18 µm / px
40x, 0.75 – 0.95 NA: 0.28 µm / px
20x, 0.5 – 0.8 NA: 0.55 µm / px

2 min

15 x 15mm area scanned in 2min at 20x objective

3 modes

All-in-one device: three operating modes tailored to diverse workflows

PreciPoint – Made in Germany

German Engineering at its best

Since 1982, we have made more than 15,000 installations of diverse systems and devices all over the globe. They are produced in Germany and our solutions are made to the highest German engineering standards. Our key competence is the digitization of measurement and automation technology in the field of microscopy and micropositioning systems. The spectrum of our offers ranges from smart microscopes to automated testing systems with custom-made software and from microspectroscopy to x-y-stages.

Since 2015, we proudly present the M8, a truly smart microscope that disrupts the traditional methods of microscopy use. The M8 is most probably the smartest microscope and scanner in the world. It integrates all our expertise and experience collected over the past decades. Our global sales success proves that users worldwide embrace and appreciate the opportunities that the M8 offers.

Contact us to learn more about the future of microscopy at sales@precipoint.de or +49 (0) 8161 976 979-9.
Let's digitize and accelerate your workflow together.

The PreciPoint product family

M8 Microscope and Scanner

O8 Oil Microscope and Scanner

I8 Inverted Microscope and Scanner

Discover the future of microscopy. Book a remote session today to see how the M8 can digitize and accelerate your workflow.

Send us an email: sales@precipoint.de
—
or talk to us directly: +49 (0) 8161 976 93 49

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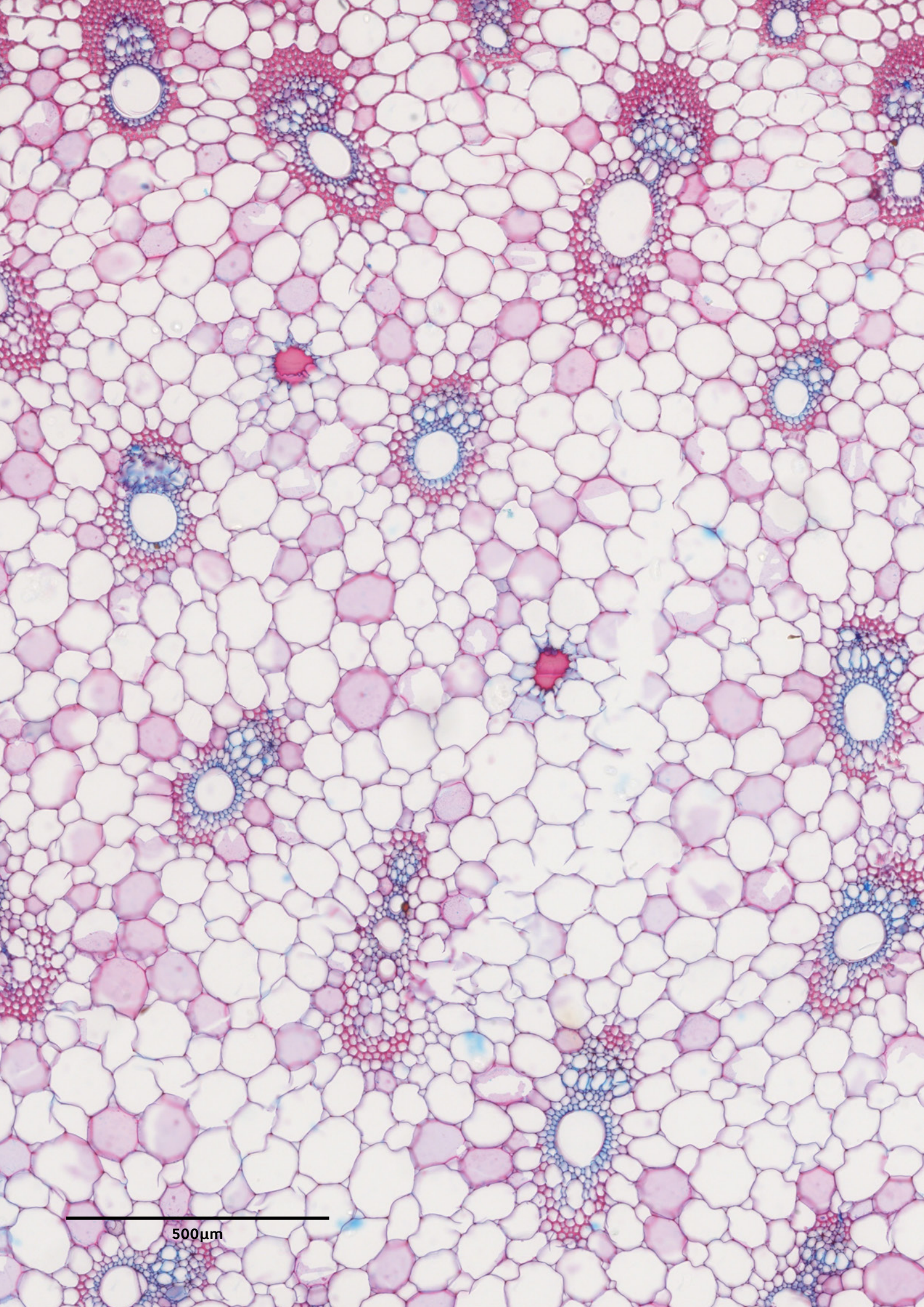
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