



Metafer

Scanning and
Imaging Software

SLIDE SCANNING ...

Highlights

- Capture up to 800 slides seamlessly in a single session.
- Utilize various contrasting methods, including but not limited to brightfield, fluorescence, phase contrast, darkfield, and more.
- Effortlessly link and combine different imaging tasks, letting Metafer engage the objectives, and benefit from an automated immersion oil dispenser.
- Enable barcode reading for specimen identification and tracking, allowing Metafer to capture images from the frosted end of the specimen.
- Take advantage of a range of settings to establish automated focusing tailored to the specimen's specifics.
- Review all imaging results in a well-organized image gallery.
- Efficiently relocate identified objects on the microscope with a single mouse click.
- Customize workflows according to your preferences using a flexible classifier-based imaging approach.
- Expand your imaging network by integrating multiple workstations managed by Metafer and Ikaros.



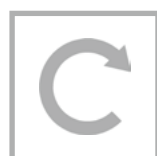
... AND MORE



MAGAZINES

Slide frame magazines hold 16 frames with 5 slides each, for a total of 80 slides. A fully equipped SlideFeeder x80 hosts 10 magazines plus one bar code reader.

Each magazine is portable and can easily be taken to the workbench for loading.



MODULE

The rotating module of the SlideFeeder x80 delivers the slide frames to the motorized stage of the microscope.

The device runs unattended and is prepared for 24/7 operation - including intelligent priority sample handling.



AUTOOILER

If the current workflow requires the use of an immersion oil objective, the automated oil dispensing device is engaged.

Detailed sample dependent macros control optimal oil dispersal for each sample.



CAMERAS

There are different CoolCube digital camera models to choose from. All models are available as monochrome or color versions.

The cameras provide seamless automated integration with the Metafer software enabling optimal performance.



MICROSCOPE

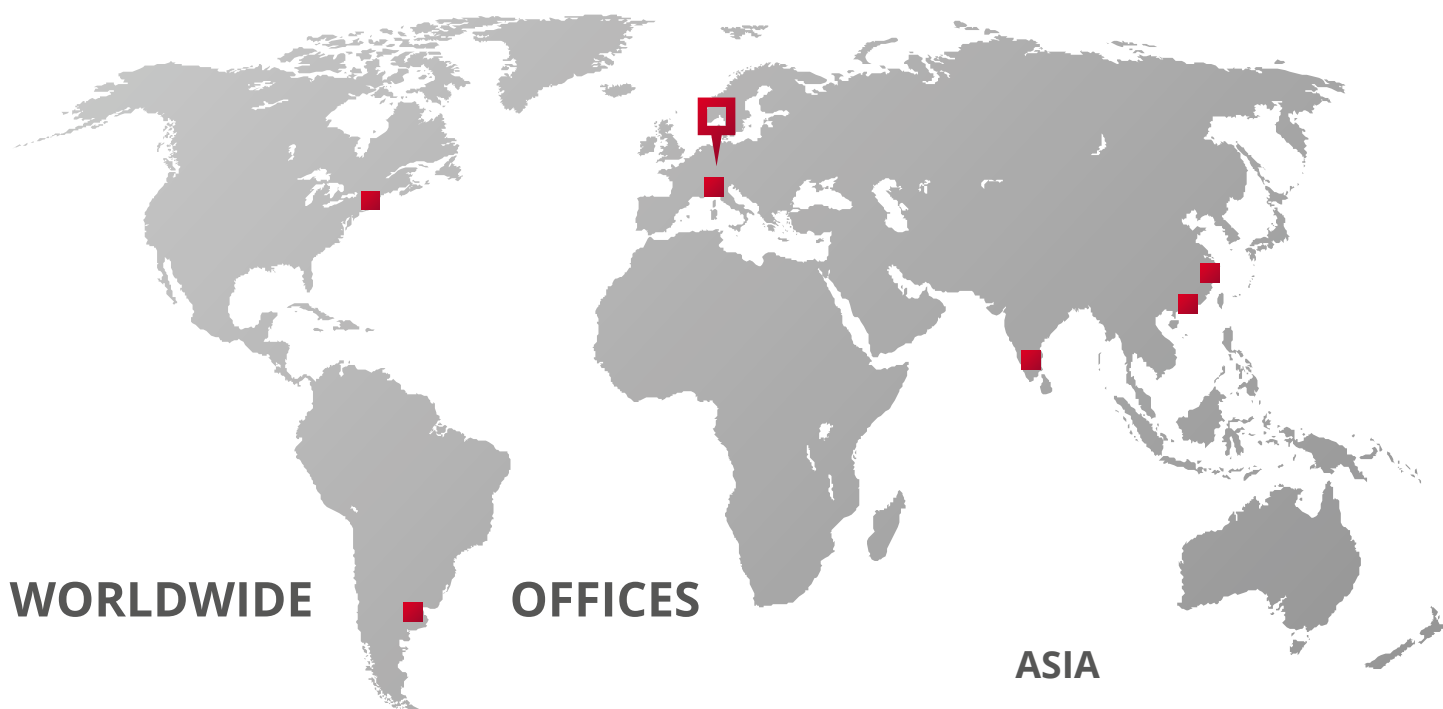
Metafer operates a motorized, high-end research microscope equipped with a stepping-motor stage to enable the finding of objects.

All relevant features of the microscope are directly driven by the Metafer software.



SOFTWARE

The PC based Metafer software controls the scanning hardware and provides a convenient user interface prepared for all-day, routine use. Thanks to the exceptional classifier concept the Metafer software provides the optimal balance between flexibility and standardization.



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The described functions refer to the following software versions: Ikaros 6.3 | Metafer 4.3

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MetaSystems products are used in many countries worldwide. Depending on the regulations of the respective country or region, some products may not be used for clinical diagnostics.

Some hardware components supplied by other manufacturers are not included in MetaSystems IVD products and are therefore not IVD medical devices.

MetaSystems software provides, among other functions, features to assist users with image processing. These include, but are not limited to, the use of machine and deep learning algorithms for pattern recognition. The output generated in this process should be regarded as preliminary suggestions and, in any case, mandatorily requires review and assessment by trained experts.

MetaSystems offers **Customization Packages** for application workflows that have been successfully implemented for customer labs using standard Metafer platform functionality. It is expected that they can be implemented for other customer labs using similar workflows and slide preparation procedures. If a Customization Package is purchased, MetaSystems product specialists will - based on their experience from other similar application cases - support the customer lab in adapting the Metafer software configuration to their needs. The performance of the solution will depend on the quality of the customer slides and the expertise of the users, MetaSystems cannot specify or guarantee any performance parameters. The validation of the solution for clinical use is the sole responsibility of the customer lab.

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