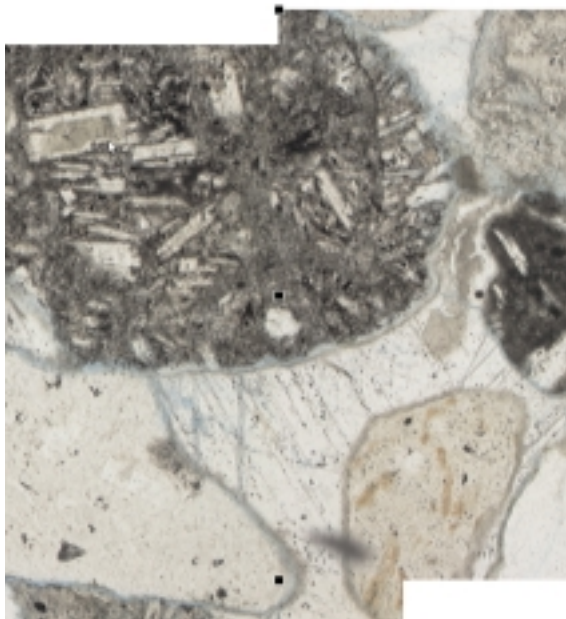
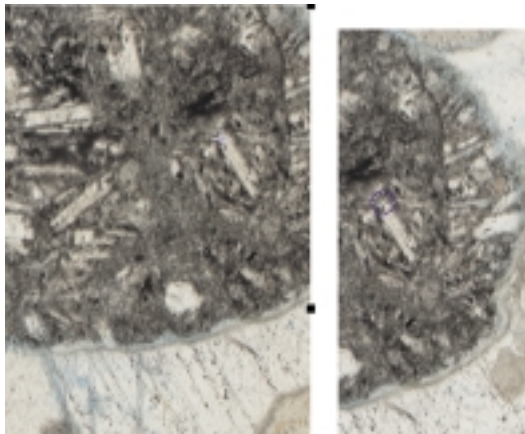




Image Assembly



Brief Description

The *ImageAccess Module Image Assembly* allows to assemble images into a composite image.

The Image Assembly module is especially useful when capturing panorama images with high magnifications or where an object cannot be captured in one image due to its size.

The object is photographed in several overlapping images, using the X/Y-table and then assembled as a composite overview image with the automatic or manual functions. Images may be captured with any camera or archive images can be used.

One- and Two-Point Matching

Matching helps manually create a composite image quickly and accurately, even in cases of different image sizes or orientation.

Automatic assembly is enhanced by setting a reference marker on the images to overlap. Two markers are set where a rotation is needed for exact overlapping. With two markers it is possible to match the images including automatic rotation and resizing.

Zoom Window

The zoom window helps determine the matching points exactly.



Transparency Mode

Using this tool you can see the overlapping area of both images in semi-transparent mode and thus match them.

BestFit

The automatic BestFit function seeks the perfect match after manual overlapping.

Automatic Matching

In automatic mode, pattern recognition enables matching without manual intervention.

Key Features

- Interactive or automatic image assembly from an archive or directly from a camera
- Easy-to-use tools for matching
- Easily arrange and organise all images on the assembly surface
- Supports all graphics file formats

Technical Data

Assembly surface	Workspace with Navigator for arranging and organising all images needed for the composite image
Move images	Manual assembly of individual images with the mouse and pixel-precise positioning using zoom and arrows keys
Matching	One- and two-point matching for pixel-precise definition of the overlapping points. Automatic assembly.
*Automatic matching	Automatic assembly based on an image-analysis algorithm
Resizing	Two-point matching includes automatic rotation and resizing
Rotation	Rotates an image around a user-defined point by user specified values
Zoom window	The zoom window helps determine matching points of images on the assembly surface. Magnification ratios from 200% to 600%
Brightness	Individual adjustment of image brightness to allow smooth transitions within composite images
Display Layers	Free determination of the display layer for each image on the assembly surface
Grouping	Handling of images is optimized by grouping singular or joined images to form a new sub-image
Cropping	Cutting function to determine the new composite image.

* Only with *ImageAccess Module Image Assembly PRO*.

The zoom functionality of the *ImageAccess Navigator* especially facilitates easy selection of the optimal image display.

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Ordering Information

Article No.	Description
1.00.560.00	Image Assembly , manual creation of composite images
1.00.561.00	Image Assembly PRO , manual and automatic creation of composite images.