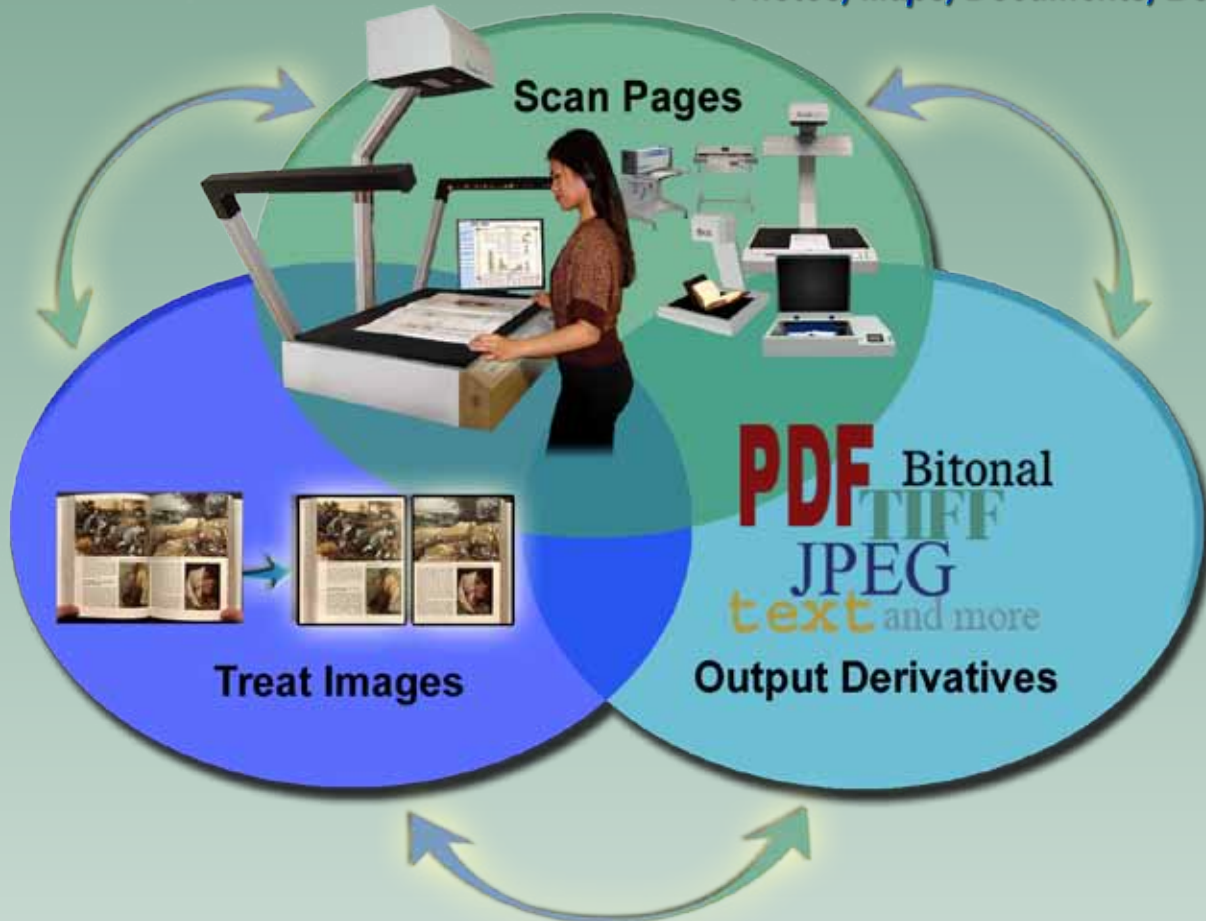


Opus FreeFlow

Freedom to Digitize
Ad Hoc & On-Demand
Photos, Maps, Documents, Books, ...



The Opus digitization process was designed specifically for academic libraries, museums and archives. Use Opus FreeFlow to build digital assets for preservation, archive, digital collections for the Web, and for viewing software. Its image treatment processes such as fan, gutter and book curvature removal, and content location and registration, are dramatically faster and easier to use than photo editing software.

Opus FreeFlow operates a wide array of preservation quality scanners and allows for the import of existing images as well. It then groups images into objects (i.e. books), which are easily managed and processed. Finally, it renders those objects into a variety of derivatives.

SCAN

IMAGE
TREATMENT

EXPORT

With Opus FreeFlow 3-tab interface, users can switch dynamically between scanning, image treatment and outputting derivatives. Multipage objects can be reopened and reprocessed at any time. Pages can be deleted and rescanned and new pages can be scanned and inserted. Unlimited derivatives can be created with variations in image size, resolution, format and file type.

Opus FreeFlow is fully compatible with Opus Digitization Workflow software. While objects are in the middle of the Opus workflow, they can be opened with Opus FreeFlow for additional scanning, image modification and derivative generation.



Freedom to Digitize
Ad Hoc & On-Demand
Photos, Maps, Documents, Books, ...

Opus FreeFlow digitization software provides all the necessary functionality to create digital books and other materials from scanned images. Prior to Opus, digitization had to be performed one image at a time using photo editors for image treatment, and content managers for keying metadata. With Opus Freeflow, after scanning and treating images, digital derivative images are output to destinations such as digital content management systems and digital master images to digital archive systems.

Opus Digitization Workflow software allows for the use of temporary workers with minimal training while minimizing the chance of errors and ensuring that preservation quality standards are met. Unlike FreeFlow, Opus Workflow applies somewhat rigid management principles. Opus FreeFlow and Opus Digitization Workflow work seamlessly together and can be used by a trained digitization staff member at any time to perform processing and output independently of the structured workflow.

In addition, Opus FreeFlow works with third-party software. For example, if a user wishes to perform an image treatment function supported by a popular photo editor, the press of a button in Opus FreeFlow can launch the third-party application with the current image ready for editing. Once the edits are completed and saved, exiting the photo editor will return the user to Opus FreeFlow with the image showing the modifications that were made.



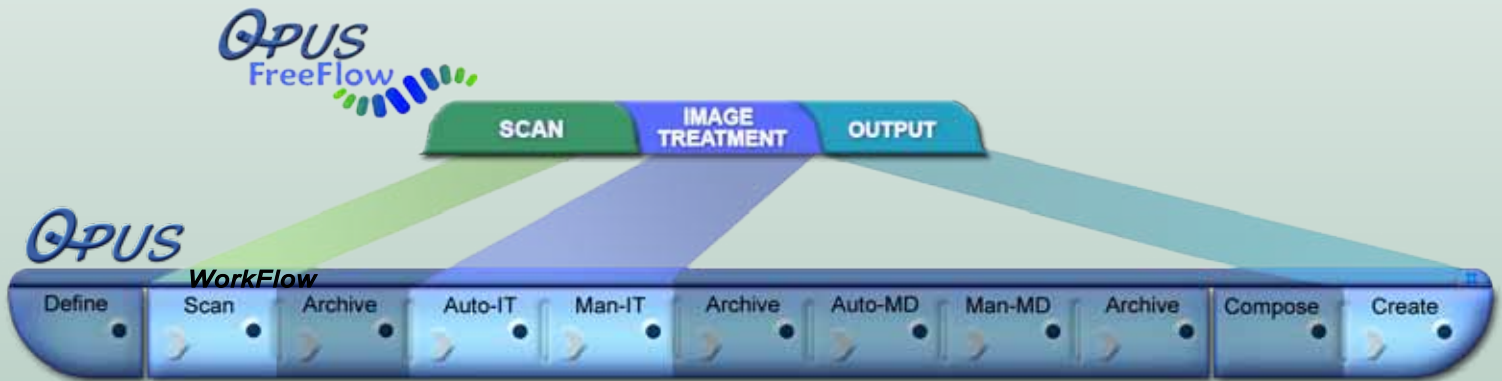
Scanning
Containerizes the images of an object
Supports continuous (batch) scanning
Supports multiple concurrent objects - suspend and resume scanning of unfinished objects
Supports all Scan2Net® scanners
Supports many TWAIN scanners
Supports insertion, deletion, rescanning and rotation of images
Supports undo/redo

Image Treatment
Automatically locates content (configurable)
Automatically splits pages (configurable)
Automatically removes fan and gutter (configurable)
Automatically corrects for book curve (configurable)
Automatically levels background
Manual review, redo and override
Automatic process can be individually invoked by user

Collection Composition and Creation
Current object output of images in formats that can be imported by D-SPACE, Content DM, Fedora, Re-Discovery and other content managers
Derivative attribute specification (e.g. file format, size, resolution, color depth, quality factor)
Output of TIFF, JPEG, PDF, PNG, GIF, rich text, ASCII, Unicode, audio & other file formats, (one image per file or the entire volume in one file)
Output of full images, reduced images, Web images, thumbnail images

Opus FreeFlow versus Opus Workflow Features Comparison

Opus FreeFlow is an application that provides the scanning, image treatment and derivative creation capabilities of the full Opus Digitization Workflow system outside of its structured project management environment. Opus FreeFlow doesn't capture or output metadata or perform automatic archiving. Opus FreeFlow is fully compatible with Opus Digitization Workflow software. While objects are in the middle of the Opus Workflow, they can be opened with Opus FreeFlow and additional scanning performed, images modified and derivatives created.



Opus FreeFlow



Opus Workflow

Define Projects Features and Capabilities	FreeFlow	Workflow
Creates and manages projects		YES
Creates and manages project templates		YES
Creates and manages objects		YES
Prints object tracking sheets		YES
Maintains a project history database		YES

Scanning Capabilities	FreeFlow	Workflow
Automatically reads tracking sheets		YES
Containerizes the images of an object	YES	YES
Supports continuous (batch) scanning	YES	YES
Supports multiple concurrent projects and objects - suspend and resume scanning of unfinished projects and objects	YES	YES
Supports all Scan2Net® scanners	YES	YES
Supports many TWAIN scanners	YES	YES
Supports insertion, deletion, rescanning and rotation of images	YES	YES
Supports undo/redo	YES	YES

Opus Workflow VS FreeFlow Features Comparison (Con't)

Image Treatment Capabilities	FreeFlow	Workflow
Automatically locates content (configurable)	YES	YES
Automatically splits pages (configurable)	YES	YES
Automatically removes fan and gutter (configurable)	YES	YES
Automatically corrects for book curve (configurable)	YES	YES
Automatically levels background	YES	YES
Manual review, redo and override	YES	YES
Automatic process can be individually invoked by user	YES	YES
Image treatment scheduling (e.g. overnight)		YES
Template-based image treatment processing		YES

Metadata Capture Capabilities	FreeFlow	Workflow
Automatic capture of technical metadata		YES
Hierarchical metadata entry		YES
Template-based metadata entry		YES
Custom template creation		YES
Capture of METS metadata		YES
Capture of MIX metadata		YES
Capture of MODS metadata		YES
Capture of Dublin Core metadata		YES
Capture of structural metadata for 3-D virtual page turning Web output		YES
Capture of metadata for import to D-SPACE		YES
Capture of metadata for import to Content DM		YES
Capture of metadata for import to Re-Discovery		YES
Capture of metadata for import to Fedora		YES
Data entry rules: (e.g. required/optional fields, repeat/once only fields)		YES

Collection Composition and Creation Capabilities	FreeFlow	Workflow
Current object output of images in formats that can be imported by D-SPACE, Content DM, Fedora, Re-Discovery and other content managers	YES	YES
Selection of an unlimited number of objects to be output as a collection or for overnight processing		YES
Assignment of attributes to each collection		YES
Collection history and attribute database		YES
Collection list management		YES
Object search capability		YES
Derivative attribute specification (e.g. file format, size, res, color depth, quality factor)	YES	YES
Output of TIFF, JPEG, PDF, PNG, GIF, rich text, ASCII, Unicode, audio and other file formats, (one image per file or the entire volume in a single file)	YES	YES
Output of full images, reduced images, Web images, thumbnail images	YES	YES
Automated, unattended (e.g. overnight output of multiple derivatives)		YES
Output of METS metadata		YES
Output of MIX metadata		YES
Output of MODS metadata		YES
Output of Dublin Core metadata		YES
Output of structural metadata for 3-D virtual page turning Web output		YES
Output of metadata for import to D-SPACE		YES
Output of metadata for import to Content DM		YES
Output of metadata for import to Re-Discovery		YES
Output of metadata for import to Fedora		YES

Archive Capabilities	FreeFlow	Workflow
Automatic archive of scanned images		YES
Automatic archive of treated images		YES
Automatic archive of metadata		YES
Project-level archive control via customizable templates		YES
Incremental archiving		YES
Supports Open RAID Off-line storage		YES
Searchable archives		YES

