ArtPro+ 16
What’s New

Frank Woltering
Product Manager PDF Editors
July 2016
Tool Switcher

- Tool Switcher
- Breadcrumbs & Inspectors
- Layers
- Shapes
- Edit Graphics
- Text
- Images
- New document
- Barcodes
- Trapping
- AE Integration
- Dynamic Marks
- Miscellaneous
New Tool Switcher

- The tool switch has been optimized
  - accelerating selection of most used tools
  - adding new tools
    - shapes tool
    - text tool
  - introducing sub tool switcher
    - On mouse release the left tool is selected

**Shortcuts**

| Text (T) | Edit path (P) |
| Crosshair (R) | Create a rectangle (S)* |
| Group Select (V)* | Create an ellipse (S)* |
| Object Select (A) or (V)* | Transform (E) |
| Densities (D)* | Zoom (Z)* |
| Dimensions (D)* | Pan (H) or (Z)* |

* Some shortcuts have a double function now. Just press the key multiple times to toggle between the functions.
Breadcrumbs & Inspectors

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Breadcrumbs – Resolving complexity

- Icons indicate groups with visual impact.
- Breadcrumb to the right: always indicates the object type you've clicked.
- Inspectors reflect properties of the highlighted breadcrumb.
Layers

- Layers can now be:
  - created
  - removed
  - reordered
  - used to select objects

- Click to add all content of a layer to selection
- (If selected) click to deselect
- `<alt>` click to replace selection with all content of a layer
Special Type Layers / Processing Steps (ISO 19593-1)

- You can assign Processing Step types to layers
- Content of such layers is monitored to not influence any artwork layers
- Reduces errors such as:
  - structural graphics (dies, emboss, braille) knocking out artwork
  - blending varnish layers changing artwork appearance
- Only for Non-Normalized PDF files
  (Normalized PDF has the concept of Technical Inks)
Shapes (S)

- New shapes tool to create
  - Rectangles
  - Ellipses
- Shortcut “S” to toggle between tools
- Hold “shift” for constrained shape
- Hold “alt” for shape from the center
- Follows the rotation of the Crosshair
Shaper <Cmd+E>

- Available when objects are selected
- Simple operations
  - Unite
  - Intersect
  - Exclude
  - Minus Front
  - Minus Back
  - Divide
- Shortcut: Cmd-E (Mac) or Ctrl-E (Windows)
Shaper: Unite

- Unites all objects of the selection
- New object inherits properties of the topmost object
  - Stroke properties
  - Fill properties
  - Transparency properties
Shaper: Intersect

- Keeps the area where all objects overlap
- New object inherits properties of the topmost object
  - Stroke properties
  - Fill properties
  - Transparency properties
Shaper: Exclude

- Keeps the area where an odd number of objects are stacked on top
- Creates a compound
- New object inherits properties of the topmost object
  - Stroke properties
  - Fill properties
  - Transparency properties
Shaper: Minus Front

- Subtracts all elements on top of the bottommost object
- New object inherits properties of the topmost object
  - Stroke properties
  - Fill properties
  - Transparency properties
Shaper: Minus Back

- Subtracts all elements underneath the topmost object
- New object inherits the properties of the bottommost object
  - Stroke properties
  - Fill properties
  - Transparency properties
Shaper: Divide

- Creates a group of all visual areas found in the selection
- 100% of the darkest document separation
- Flattens
  - Strokes
  - Text
  - Patterns
  - Clips
- Prepare your white underprint shapes
Patterns

- Inspect colored and uncolored patterns
- Expand allows you to convert pattern content to simple graphic objects for manipulation
Opacity masks

- Easy, in-context editing of opacity masks

The masking content can be edited like any other object.

Simply double-click thumbnail to edit opacity mask.
Advanced Stroke properties

- Easily change dashes of strokes
Transform restrictions

- You can define which object properties are to be transformed
- When transforming interactively options can be set
Select next or previous object

- Easy selection of covered or equally shaped objects
  - <Ctrl>+Tab> to select next object below
  - <Ctrl>+Shift+Tab> to select next object above
Clean up Groups and Clipping Masks

- PDF creators often make extensive use of groups and clips that make content editing cumbersome.
- “Clean up Groups and Clipping Masks” removes redundant clips and groups so you can work more efficiently.

Esko ArtPro+

Cleaned up 63 groups and clipping masks.
Text: Recognition

- ArtPro+ composes text objects into text boxes when opening PDF
- Text boxes are indicated when text tool is active
- Text boxes can be merged or split

![Text broken up in pieces in PDF](image1.png)

![With text block recognition](image2.png)
Text: Text Tool

- New tool in the Tool Switcher
- Shortcut “T”
- Shows all textboxes
- Allows for
  - Selection of text
  - Typing text
  - Deleting text
  - Creating text boxes
  - Modifying text layout
  - Adjusting boxes
- Cut copy paste from/to various text applications

ArtPro+ uses embedded font information for editing if permitted by the font vendor.
Select text objects and merge them into one.
Simply place the text cursor where you want to split into separate text boxes or select text you want to become individual.

WHAT’S INCLUDED:

- DIGITAL SPORTS BAND
- USB CHARGING CABLE
- WIRELESS ADAPTER
- ADJUSTMENT TOOL

- OLED Display
- 3-axis accelerometer
- Vibration motor
- Battery life: up to 7 - 10 days
- Bluetooth 3.0
Images

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Image properties

- All important information about selected image(s)
Linking images

- You can share images across or within assets:
  - place images and establish a link
  - extract embedded images and save them to disk (TIFF, PSD)
Extract and link image(s)

- Saves a copy of the embedded pixel data to TIFF or PSD file format
- Establish a link to the extracted image

NOTE
The high-resolution data of linked images is always embedded into PDF+ files
Image Channel Mapping

- You can control the appearance of image data without editing the image itself
  - Assign any image channel to any document separation
  - unmap redundant channels
  - repurpose transparency channel for e.g. white underprints
  - define maximum density or invert pixel data
New Document

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New document

- You can now create a new PDF+ document from scratch <Cmd+N>
- The new document is created with basic CMYK inks preset
- Document page size is based on the previously opened document
- The default document profile is ISO Coated v2
Barcodes

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New Barcodes

- GS1 DATABAR STACKED barcode

  (10) 010716

  (01) 12345678901231

- GS1 DATABAR STACKED Omnidirectional

  (10) 010716

  (01) 12345678901231
Trapping
Trapping: How Does It Work?

- Depending on the action the cursor changes
  - Round = trap
  - Triangle = pullback
  - Square = pullback and trap

- Click and drag
- Dotted line = no edge
- Full line = edge detected
- Alt click and drag to remove trap
Trapping

- Trapping mode with instant trapping and pull-back tool
- Easy control of what is taken into the trapping session
  - What you see is what you trap!
- Optionally closing small gaps
- “Trap Similar” applies your trap decision to all equally colored edges
- Shortcut: Cmd-T (Mac) or Ctrl-T (Windows)
Pullback

- Ability to define one or more inks to pull back
  - press “K” for quick in context selection of ink(s) to keep

- “Pull Back Similar” is boosting efficiency by applying same decision to all similar edges

- You can even combine trap and pullback decisions

- Shortcut: P
Automation Engine Integration

► Tool Switcher ► Breadcrumbs & Inspectors ► Layers ► Shapes ► Edit Graphics ► Text ► Images ► New document
► Barcodes ► Trapping ► AE Integration ► Dynamic Marks ► Miscellaneous
Connect to Automation Engine

- Establish a connection with Automation Engine
  - centralizes Dynamic Marks sets
  - enables Launch Workflow
  - allows direct access to job folders
Launch Workflow

- Directly inject your document into an Automation Engine workflow
- Add optional parameters
Direct Job Folder Access

- Save, open or place files fast
  - no need to search
  - auto mounting shares
Dynamic Marks

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Dynamic Job Information Panels (PDF+ only)

- You can create information panels by placing dynamic custom marks and dynamic text marks that behave smart with regard to their:
  - position
  - color
  - text
- ArtPro+ lets you create your own dynamic marks from selected objects.
Dynamic Job Information Panels

- Sets can be saved and loaded to your document
- When connected to Automation Engine the mark sets are stored in the centralized Dynamic Marks share
Dynamic Job Information Panels: Smart coloring

- Once an object has been made dynamic the fill and stroke color can be
  - left static
    Color of mark will remain as is when loaded to another document
  - made dynamic
    Mark will remember position of an ink but not its properties when loaded to another document
  - darkest
    Mark will take on darkest color available when loaded to another document
Dynamic Job Information Panels: Smart positioning

- Once an object has been made dynamic the properties inspector allows for
  - relative positioning to all PDF page boxes
  - relative positioning to other Dynamic Marks
Dynamic Job Information Panels: Smart text

- Once a text object has been made dynamic the content can be
  - information retrieved from local variables
    - Inks
    - Date & Time
    - Document
    - System
    - Barcodes
  - information retrieved from server variables
    - Job information
    - Product Information
    - File Information
    - Path information
    - Global (All Smart Names)
ArtPro+ 16.0.1

What’s New

Frank Woltering
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September 2016
Multiple open documents

- Multiple open documents
- Multi-page documents
- Merge separations
- List of images
- List of messages
- Select same
- Linked Images
- Ink types
- Registration error simulation
- Miscellaneous
Multiple open documents

- You can now open multiple documents at the same time
Multi-page documents

- Multiple open documents
- Merge separations
- List of images
- List of messages
- Select same
- Linked Images
- Ink types
- Registration error simulation
- Miscellaneous
Multi-page documents

- Easy navigation to first, previous, next and last page
- Shortcut:
  (Mac <fn-arrow up>/<fn-arrow down>)
  (Win page-up/page-down)
Merge separations

- Multiple open documents
- Multi-page documents
- Merge separations
- List of images
- List of messages
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Merge separations

- To reduce number of used inks in your file simply merge two inks into one

Choose your target separation in the contextual menu (right-click) or simply drag and drop the separation onto the target separation
List of images

- Multiple open documents
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List of images

- ArtPro+ now offers an interactive list of all images used on the current page.
- High-lighting an entry in the list will select the appropriate image instance(s).
- Auto-zoom will help you locating individual images.

auto-zoom or sort images according their names, color-space, resolution or their link-state
List of messages

- Multiple open documents
- Multi-page documents
- Merge separations
- List of images
- List of messages
- Select same
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List of messages

- The list supplies you with an overview of messages that may need your attention.
- High-lighting an entry in the list will select the appropriate object(s) that are impacted.
- Auto-zoom will help you locating individual object(s).
Select same

- Multiple open documents
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Select same

- Select same is a very fast method to select objects that share a certain attribute.
- Shared graphical attributes of selected objects (e.g. same stroke width) can be used to select objects that share this attribute as well.
- You can narrow the result by searching for more than one attribute simultaneously.

- Shortcut <Cmd&U>
- <1> - <7> to quick select attribute(s)
Improved support for linked images when opening ArtPro files

- Multiple open documents
- Multi-page documents
- Merge separations
- List of images
- List of messages
- Select same
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Improved support for linked images when opening ArtPro files

- When opening ArtPro files ArtPro+ will now make a differentiation between images
  - created by ArtPro at PS/PDF import and trapping time
  - linked by the user

- Images linked by the user remain their link and channel mapping attributes in ArtPro+

- The behavior on opening normalized PDF files is unchanged as PackEdge has the concept of linked and embedded images.
Ink types

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Ink types

- By right-clicking on a separation name you can change the type of an ink
  - Normal
  - Opaque
  - Varnish

- For normalized PDF you can set the type of ink to be “Technical” whereas PDF+ supports the layer-based concept of “Processing Steps”
Registration error simulation

- Multiple open documents
- Multi-page documents
- Merge separations
- List of images
- List of messages
- Select same
- Linked Images
- Ink types
- Registration error simulation
- Miscellaneous
Registration error simulation

- Registration error simulation is assisting you in finding areas that need trapping as well as verifying applied trapping.
- The QA filter is available in normal mode and trapping mode.
ArtPro+ 16.0.2

What’s New

Frank Woltering
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December 2016
Object Browser

- Object Browser
- Indicate Unused Separations
- Named Objects
- Expand a Form
- Trap Background To
- Soft Masked Images
- Single Separations List
- Convert An Ink To CMYK
- Color Picker
- Control Transparency Per Channel
- Additional Barcodes
- Change Text Box Size Numerically
- Merge Similar Paths And Text
- Miscellaneous
Object Browser

The object browser of ArtPro+ immediately locates the object in the document structure.

Change the order of objects by dragging them in the browser.
Object Browser

Change the order of objects by dragging them in the browser.

“Freezing” the expansion state of the object browser makes shuffling objects very convenient.

Checking the “Zoom to selection” will instantly adapt your view point to focus on objects selected in the browser.
Indicate Unused separations

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Indicate Unused Separations

- Clear indication about required inks

The greyed-out separation name is indicating that this separation is not used by any graphics.
Named Objects

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Named Objects

- Naming objects helps you to
  - structure your document
  - identify special objects for advanced automation

- Named objects from ArtPro and Normalized PDF are recognized

Simply double-click the breadcrumb to edit object names
Expand a Form

- Object Browser
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Expand a Form

- Make any placed art editable.

In PDF paths can contain placed art (PDF form). In such cases the “Expand” function becomes available.
Trap Background To Soft Masked Images

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**Trap Background To Soft Masked Images**

- You can now trap from line art into images that have a soft mask applied.

Trap is created where the image is not fully transparent.
Single Separations List

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Single Separations List

- Printing separations and technical inks are no longer in separate lists

<table>
<thead>
<tr>
<th>Name</th>
<th>#</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyan</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Magenta</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Technical</td>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Cut</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crease</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Convert An Ink To CMYK

- Object Browser
- Indicate Unused Separations
- Named Objects
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- Miscellaneous
Convert An Ink To CMYK

- Convert to CMYK helps you to reduce the number of separations

Right-click the separation or click on “Convert to CMYK”
Convert An Ink To CMYK

- Convert to CMYK helps you to reduce the number of separations
- Particular spot color information in all graphics is replaced with CMYK equivalents

- There are three possible sources for CMYK equivalents
  - values stored in the PDF
    - defined by the PDF generator e.g. Adobe® Illustrator®
  - values retrieved by color management system
    - Spectral color data in Esko Ink books (local or central)
    - Custom Designer ink books from ColorEngine
  - Your own defined custom values
Color Picker

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Color Picker

- With ArtPro+’s Color Picker you can sample any color combination from your document and use it instantly
  - Extremely fast rebuild of complex gradients
  - One-click transfer of image pixel colors to vector art

Instead of entering color values manually, simply click the Color Picker pipette ...

... and choose your intended color from screen! Keeping the mouse pressed will invoke the densitometer for more precise definition.
Control Transparency Per Channel

- Object Browser
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- Miscellaneous
Control Transparency Per Channel

- Different to the concept of Adobe® Photoshop®, PDF does not limit the application of transparency (also known as alpha) to spot color channels.
- ArtPro+ now offers full control about the application of the image’s alpha channel.

Icon indicates transparency is applied to this channel.
Icon indicates transparency is not applied to this channel.
Icon indicates alpha channel is used in this channel.
Additional Barcodes

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- Miscellaneous
Additional Barcodes

- A number of newly supported barcodes
  - 2 of 5
  - Interleaved 2 of 5
  - ITF-14
  - ITF-16
Change Text Box Size Numerically

- Object Browser
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Change Text Box Size Numerically

Easily dimension your text boxes to precise measurements.

Syncing to mobile devices requires Bluetooth and Internet connection. Syncs with Windows Vista and later, Mac OS X 10.8 and up, iPhone 4S and later, iPad 3 gen. and later, and leading Android and Windows devices.
Merge Similar Paths And Text

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Merge Similar Paths And Text

Simplify artwork by removing obsolete duplicates of paths or text

- This way you can easily
  - e.g. merge stroke and fill of identical paths
  - e.g. merge process (CMYK) fill/stroke with spot color fill/stroke

- Conditions for merging identical shaped objects:
  - *Merge will result in same visual appearance*
  - Objects need to be consecutive
  - No transparency/blend mode applied
Merge Similar Paths And Text - Examples

Example: Two identical paths. One is stroked and the other filled. Both will be merged into one object with fill and stroke properties.

Example: Two identical overprinting paths filled with different colors. Both are merged into one object with merged fill properties.
Miscellaneous

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Synchronize And Arrange Windows

- Synchronize view will maintain the same zoom
- Arrange distributes the application windows equally across your main screen
Training Material

- Please visit Esko.com for recent product documentation and training material