

# Prinerger Tools User Guide

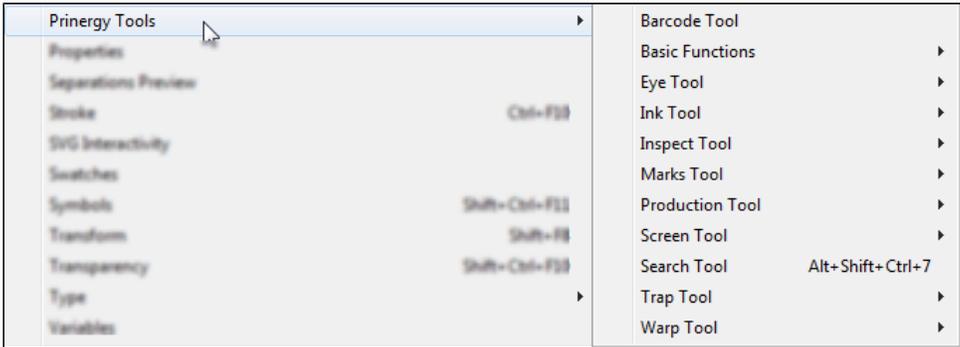
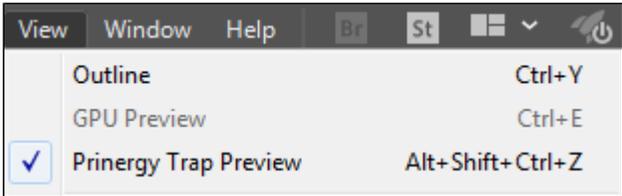
Prinerger Tools is a set of licensed plugins for creative applications such as Adobe Illustrator. It is available for both Macintosh and Windows OS-based computers. Although the tools were developed for packaging converters, they can be used by any Prinerger customer.

Barcode Tool	Use the Prinerger Tools <a href="#">Barcode</a> functionality to generate and edit a barcode in an Adobe Illustrator document, and save the barcode in the document.
Basic Functions	Use Basic Functions to: <ul style="list-style-type: none"><li>• <a href="#">Output PDF</a></li><li>• View and edit the properties of selected CAD objects (<a href="#">Prinerger Selection Tool</a>)</li><li>• Draw a trim box and media box suitable for an object directly in the document (<a href="#">Trim Box and Media Box</a>)</li><li>• <a href="#">Manage variables</a> used by the nesting and Smart Mark features</li><li>• Find <a href="#">shortcuts</a> to some of the interfaces or functions of the plug-ins</li><li>• Track the last edit after an <a href="#">Undo or Redo</a> operation</li></ul>
Eye Tool	Enhances the Adobe Illustrator preview functionality: <ul style="list-style-type: none"><li>• <a href="#">Hide or display the trap area</a> to see how the design will appear when printed.</li><li>• View the screen dots in the Illustrator file that are smaller or larger than the set percentage values for the <a href="#">minimum dot</a> and <a href="#">maximum dot</a>.</li><li>• View all the areas that are greater than the set percentage value for the <a href="#">Total Area Coverage</a>.</li><li>• Use the <a href="#">Opacity</a> Preview to check objects containing keepaway trapping areas where dark areas are not distinguishable from other areas.</li><li>• <a href="#">Zoom</a> magnification up to 100000% can preview the smallest detail in the file.</li><li>• Check the trapping effect by toggling the <a href="#">Show/Hide trapping layer</a> icon.</li><li>• <a href="#">Compare the current file</a> opened in Illustrator with previous samples and display the differences.</li><li>• <a href="#">Calculate the ink area coverage of each ink channel</a> after the file is saved. Then, export a TXT file that can be input directly into an ERP system to predict the ink cost.</li></ul>
Ink Tool	Use the <a href="#">Ink Manager</a> , <a href="#">Ink Mix</a> , and <a href="#">Image Channel Mapping</a> tools to manage ink-related tasks such as converting spot colors to CMYK, updating the ink list, setting the darkest ink, adjusting ink sequence, and so on.
Inspect Tool	Finds problems in an Illustrator document so the user can rectify errors while the document is progressing through the workflow. This tool contains the following functions: <ul style="list-style-type: none"><li>• The ability to check each parameter of every object according to defined rules, including <a href="#">fonts</a>, <a href="#">line width</a>, <a href="#">images</a>, <a href="#">inks</a>, and <a href="#">other</a> parameters.</li><li>• Management of the parameters used for checking, such as read, save, import and export functions and more.</li><li>• The ability to <a href="#">run a check</a> based on the current parameter set. You can display the preflight result and interactively see the position of any objects with problems.</li></ul>
Marks Tool	Add various types of printer marks: <a href="#">center mark</a> , <a href="#">corner mark</a> , <a href="#">ellipse mark</a> , <a href="#">gradation mark</a> , <a href="#">image mark</a> , <a href="#">rectangle mark</a> , <a href="#">text mark</a> , <a href="#">station number mark</a> , or <a href="#">trim mark</a> .

Production Tool	A set of tools that is more intuitive and easier to use than the corresponding Adobe Illustrator tools: <a href="#">Selection Tool</a> , <a href="#">Gradient Tool</a> , <a href="#">Line Pathfinder Tool</a> , <a href="#">Expand Text Width</a> , <a href="#">Node Optimization</a> , <a href="#">Foreign Art to Gray Tool</a> , and <a href="#">Path Editing Tool</a> .
Screen Tool	Use the <a href="#">Prinerger Object Screen Manager</a> to define screen information such as ink type, dot shape, angle, screen ruling, and printing method for each color in specific objects in an Illustrator file.  Use the <a href="#">Prinerger Document Screen Manager</a> tool to define screen information such as ink type, dot shape, angle, screen ruling, and printing method for each color.
Search Tool	Use the <a href="#">Search</a> Tool to find all objects matching the parameters and conditions that you specify.
Trap Tool	Enhances the Adobe Illustrator trap functionality for with these additional features: <ul style="list-style-type: none"> <li>• <a href="#">Automatic Trap</a>: Use trap tickets to set commonly-used trapping parameters that will work on a selected part of a file or the entire file.</li> <li>• <a href="#">Interactive Trap</a>: Apply designated traps to specific colors.</li> <li>• <a href="#">Trap Preview</a>: Display the effect of the automatic trap or interactive trap.</li> <li>• <a href="#">Rich Black Trap</a>: Add another ink to a dark color to create a darker printing effect.</li> <li>• <a href="#">White Underprint Trap</a>: When printing on metal or transparent material, create a white background that acts as a neutral base for inks printed on top of it.</li> </ul>
Warp Tool	Enhances the Adobe Illustrator warp distortion functionality: <ul style="list-style-type: none"> <li>• <a href="#">Circular Warp</a>: For shrink wrap applications</li> <li>• <a href="#">Conic Warp</a>: For pre-printed labels that will be applied to conic containers</li> <li>• <a href="#">Complex Warp</a>: For metal decoration (can printing)</li> </ul>

### Changes in the Adobe Illustrator user interface

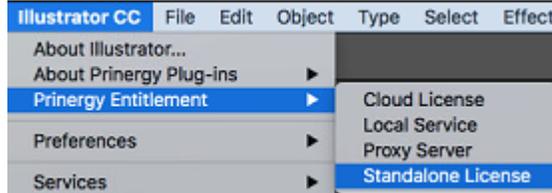
When you install Prinerger Tools, your Adobe Illustrator software will include additional interface elements in the menus and the toolbar.

In the <b>Window</b> menu, a new <b>Prinerger Tools</b> submenu	 <p>The screenshot shows the 'Prinerger Tools' submenu open in the 'Window' menu. The submenu items are: Properties, Separations Preview, Stroke (with keyboard shortcut Ctrl+F12), SVG Interactivity, Swatches, Symbols (with keyboard shortcut Shift+Ctrl+F11), Transform (with keyboard shortcut Shift+F8), Transparency (with keyboard shortcut Shift+Ctrl+F12), Type, and Variables. To the right of the submenu, a list of tools is shown with right-pointing arrows: Barcode Tool, Basic Functions, Eye Tool, Ink Tool, Inspect Tool, Marks Tool, Production Tool, Screen Tool, Search Tool (with keyboard shortcut Alt+Shift+Ctrl+7), Trap Tool, and Warp Tool.</p>
In the <b>View</b> menu, a new <b>Prinerger Trap Preview</b> option	 <p>The screenshot shows the 'View' menu with the 'Prinerger Trap Preview' option checked. The menu items are: Outline (with keyboard shortcut Ctrl+Y), GPU Preview (with keyboard shortcut Ctrl+E), and Prinerger Trap Preview (with keyboard shortcut Alt+Shift+Ctrl+Z).</p>

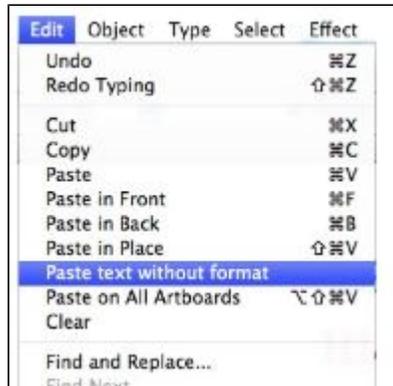
In the **Effect** menu, a new **Prinergy** submenu with items for **Curves** and **Noise**



In the **Illustrator CC** menu, a new **Prinergy Entitlement** submenu



In the **Edit** menu, a new option for **Paste text without format**



In the toolbar

- Selection Tool (V)
- Prinery AreaSelect Tool
- Prinery Marquee Tool

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- Prinery AreaSelect Tool
- Prinery Marquee Tool

- Direct Selection Tool (A)
- Group Selection Tool
- Prinery AreaDirectSelect Tool
- Prinery Direct Marquee Tool

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- Group Selection Tool
- Prinery AreaDirectSelect Tool
- Prinery Direct Marquee Tool



Adjust Grid Tool

- Trap Edge Basic Selection Tool
- Trap Edge Direction Tool
- Trap Edge End-to-End Tool

Interactive Trap Tool

Prinery Guide Tool

Prinery Selection Tool

- Retrace Tool
- Retrace Other Way
- Split Tool
- Distort Tool
- Intersect Tool
- Join Path Tool