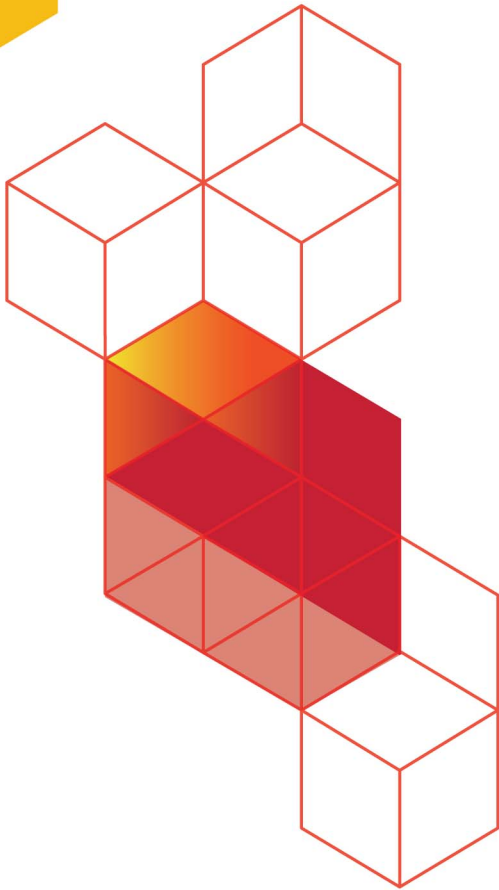




Release Notes



EMBROIDERY STUDIO E3

with  CorelDRAW®

Contents: e3.0F

Overview

Welcome to Wilcom **EmbroideryStudio** e3.0, the leading design software application for decorated goods industry professionals. **EmbroideryStudio** provides capabilities for embroidery professionals who require complete control of the design process. No other product on the market provides the flexibility of **EmbroideryStudio** in creating designs for both embroidery and multi-decoration.

EmbroideryStudio offers an efficient, user-friendly approach to embroidery design by combining the embroidery capabilities of Wilcom embroidery software with the graphical capabilities of the CorelDRAW® Graphics Suite. While it provides a complete embroidery design solution, it also integrates with existing printing processes, enabling swift inter-conversion of printing and embroidery designs, as well as integration of multi-decoration designs.

Wilcom **EmbroideryStudio** e3.0 at a glance

Wilcom **EmbroideryStudio** e3.0 is a major new release of Wilcom's suite of embroidery and multi-decoration software products. The main emphases of this release are:

- ◀ Modular products and elements for greater choice and flexibility
- ◀ Application support for updates and upgrades online
- ◀ Enhanced Wilcom EMB 'ecosystem'
- ◀ New CorelDRAW X6 features
- ◀ Enhanced Corel-Wilcom presentation and integration
- ◀ Revised user interface for improved usability - easier, more productive
- ◀ New and improved functionality for embroidery, bling, and print
- ◀ Improved embroidery and bling lettering
- ◀ New virtual decoration element
- ◀ Multi-user network dongle
- ◀ Improved convenience & logistics
- ◀ New Wilcom **TrueSizer** Web – EMB ecosystem online

These release notes

These release notes provide an overview of new and improved features in the Wilcom **EmbroideryStudio** e3.0 product range. Direct links are provided to the **EmbroideryStudio** User Manual which contains detailed instructions on all product features. Every effort has been made to ensure the accuracy of these notes but screen illustrations may vary from screen layouts generated by the software. Some features are standard across the product range, some are cost options, others are only available in certain product levels.



Tip When viewing these release notes on screen, click cross-references to link directly to the manual. Click the **Go to Previous View** button in Acrobat Reader to return to these release notes.

Product Enhancements

Wilcom **EmbroideryStudio** e3.0 contains enhancements in the following areas:

- ◀ **Modular products & elements**
- ◀ **Enhanced work environment**
- ◀ **Enhanced digitizing**
- ◀ **Enhanced design viewing**
- ◀ **Improved lettering**
- ◀ **Improved automatic digitizing**
- ◀ **Stitch quality improvements**
- ◀ **Usability improvements**
- ◀ **Interface improvements**
- ◀ **Miscellaneous improvements**

Modular products & elements

Wilcom **EmbroideryStudio** e3.0 provides a restructured modular approach to products and options to better suit the needs of the market.

Why modular?

Why adopt a modular approach? What are the key benefits?



- ◀ Lower price points to start
- ◀ Easy-to-add extra functionality in small steps
- ◀ Custom mixes of functionality for different customers
- ◀ Simpler – choose a platform and add only what you need
- ◀ Easy to obtain information about updates and upgrades.









EmbroideryStudio e3 products

Wilcom **EmbroideryStudio** e3.0 now comprises three core products:

- ◀ **EmbroideryStudio** Lettering product
- ◀ **EmbroideryStudio** Editing product
- ◀ **EmbroideryStudio** Designing product

EmbroideryStudio Designing replaces Levels 1-3 including 'Gold' variants. Additionally, **EmbroideryStudio** Designing offers 18 optional 'Elements' for Productivity, Creativity, Decoration processes. These include:

Element	Description
Productivity	
 Offsets Advanced	Embolden logos, badges and other designs with distinctive, colorful borders.
 Team Names Advanced	Save lettering layouts for reuse. With different logos and lettering, reuse makes teamname design simpler and faster.

Element	Description
 Vector Drawing	Create lines, rectangles, circles and ellipticals, and then apply stitching, fills and other effects.
 Auto-Digitize Bitmaps	Convert bitmaps to usable embroidery files.
 Auto Shaping	Use auto-shaping tools to weld, remove overlaps or automatically close objects, giving you accuracy and speed.
 Auto Arrangements	Automatically create reflecting borders, and wrap reflections around a center point to create wreath or kaleidoscope effects.
Creativity	
 Custom Splits	Add carving, embossing and other dimensional effects to your embroidery.
 Freehand	Create embroidery the most natural way – as if you were drawing with pen and paper.
 Photo Flash	Convert black and white, grayscale and color images into embroidery files.
 Shading & Open Fills	Add depth and dimension to your embroidery with powerful shadows, shades and open fills.
 Curved Fills	Create unique, flowing stitch patterns that add motion and dimension to any closed object.
 Motifs	Create and reuse patterns for runs and fills.
Decoration	
 Bling	Use any combination of stones, sizes and colors to light up your design.
 Virtual Decoration	Bring the look of embroidery to your printed designs.
 Sequin	Create embroidery files for single and twin-sequin dispensing machines.
 Alphabet Creator	Match logo type exactly or create unique ones all your own.
 Chenille	Add chenille embroidery capabilities to a lockstitch embroidery digitizing system.
 Schiffli	Create and prepare lacework and emblems precisely and efficiently.

Enhanced TrueSizer

Wilcom **TrueSizer** is a universal file conversion tool offering full compatibility between industrial and domestic embroidery file formats, as well as full design scalability. It is now available cost free in two forms:

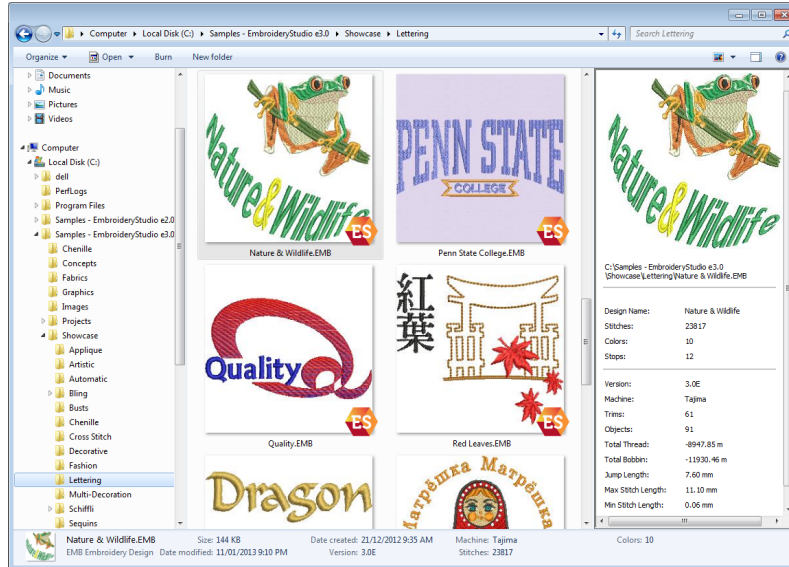
- ◀ Wilcom TrueSizer – free download desktop software
- ◀ Wilcom TrueSizer Web – free online web service

Enhanced work environment

Wilcom **EmbroideryStudio** e3.0 offers major improvements in overall system design.

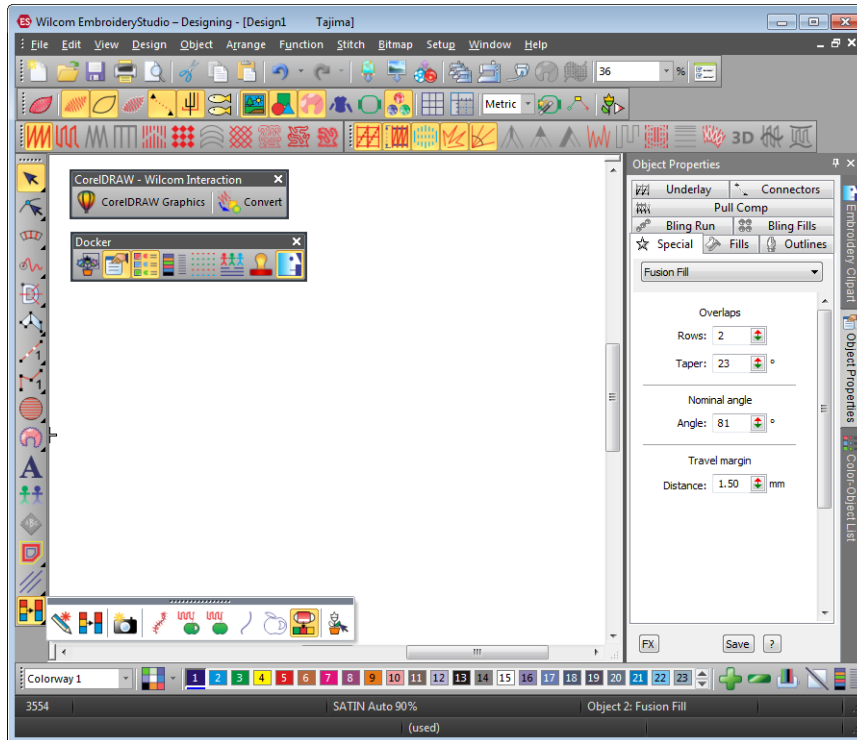
Enhanced Wilcom EMB 'ecosystem'

Wilcom **EmbroideryStudio** e3.0 now provides extra large **TrueView** thumbnails of designs in Windows Explorer as well as ES Design Explorer. Thumbnails include all viewable design elements, including multi-decoration.



Enhanced user interface

Wilcom **EmbroideryStudio** e3.0 has a new color scheme and a greatly improved user interface in keeping with its partner product CorelDRAW® Graphics Suite X6. See also [Interface improvements](#).



Benefits include:

- ◀ Faster startup by 30 to 50% – 25-30 seconds on i7 Windows 7 PC
- ◀ Revamped interface:
 - ◀ Improved grouping of related functions and toolbar buttons
 - ◀ Bigger brighter icon buttons
 - ◀ Easier screen configuration of toolbars and dockers
- ◀ More assistance for new and existing customers
 - ◀ Extended tooltips
 - ◀ Feature videos right in the software
 - ◀ New sample designs illustrating main features
- ◀ Many improvements – TrueView, Slow Redraw, etc. See below.

New CorelDRAW X6 features

Wilcom EmbroideryStudio e3.0 brings with it all the new CorelDRAW® Graphics Suite X6.

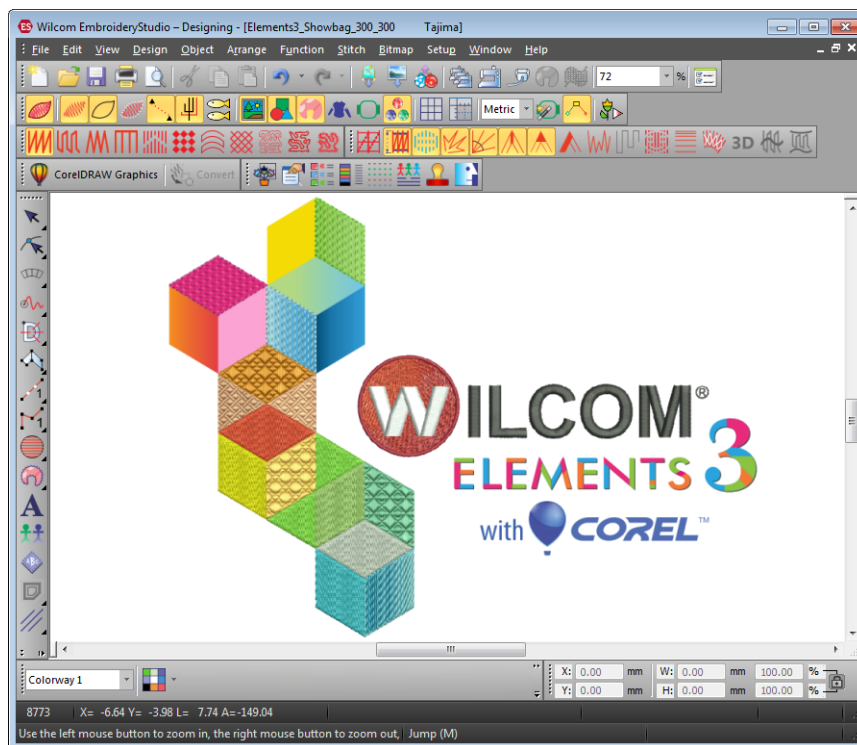


Benefits include:

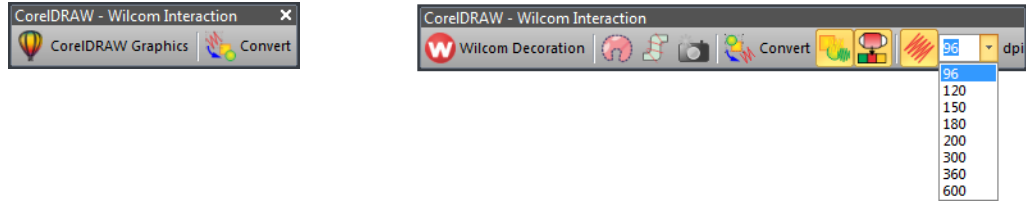
- ◀ Multi-page designs, layers and page layouts
- ◀ New content – heaps of clipart, photos and fonts
- ◀ Advanced OpenType support
- ◀ Enhanced compatibility with complex alphabets (Asian, Arabic)
- ◀ Custom-built color harmonies
- ◀ Multiple trays in Corel CONNECT
- ◀ Creative vector shaping tools
- ◀ Document, objects and color styles
- ◀ Website design software.

Improved Wilcom-Corel integration

Wilcom EmbroideryStudio e3.0 offers improved Wilcom-Corel integration.



The **Universal** toolbar has been renamed the **CoreIDRAW - Wilcom Interaction** toolbar.



Benefits include:

- ◀ Core installation optional and configurable:
 - ◀ Choice of 32 bit or 64 bit Corel application - faster
 - ◀ 30 day trial version – register free with Corel for permanent installation.
- ◀ CoreIDRAW® Graphics Suite X6 with **EmbroideryStudio** Designing
- ◀ Improved interaction between Corel and Wilcom Decoration design windows:
 - ◀ Easier user interface
 - ◀ Improved embroidery TrueView in Corel window.
- ◀ Higher quality embroidery conversion – turning & parallel:
 - ◀ Auto convert bitmap and vector artwork directly to embroidery
 - ◀ Auto or manual assignment of embroidery types.

Improved convenience and logistics

Improvements in convenience and logistics include:

- ◀ Improved software installation in support of e3 product models and options
- ◀ e3 dongle same as e2 – update without swapping dongles
- ◀ Display of product model and modules available via Help menu
- ◀ Notifications of available product updates/upgrades
- ◀ Preservation of customer default settings when installing service packs or updates
- ◀ Windows 7, 8 compatibility
- ◀ Tier 1 languages in first e3.0 release (software messages only) – English, German, French, Italian, Spanish, Japanese

Multi-user network dongle


Wilcom **EmbroideryStudio** e3.0 now provides network dongle support. This means:


- ◀ Licensed for set number of simultaneous users
- ◀ Ideal for educational institutions and corporate users
- ◀ Any e3 product model, including **DesignWorkflow** can be run
- ◀ All systems on the network are same product and options
- ◀ Three models of network dongle to support up to 10, 50, 250 users
- ◀ Can also use individual dongles for other products – if a local dongle is plugged into the machine, it will be favored over the network dongle.

Enhanced digitizing

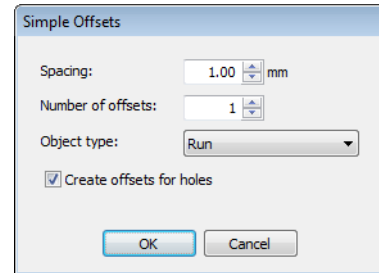
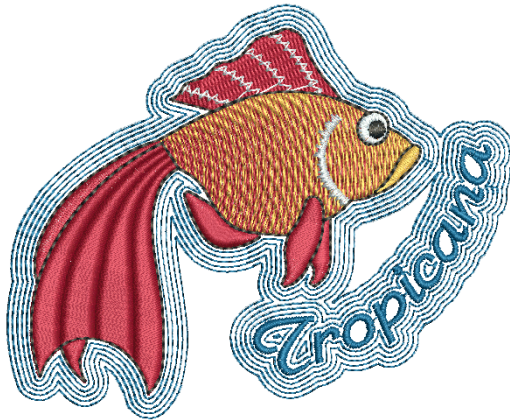
Wilcom **EmbroideryStudio** e3.0 offers these improvements in embroidery digitizing.

Enhanced outlines & offsets

 Use Toolbox > Create Special Tools > Simple Offsets to create simple outlines for any filled embroidery or closed vector object.

 Use Toolbox > Create Special Tools > Outlines & Offsets to create outlines and offsets of any type for any filled embroidery or closed vector object.

A **Simple Offsets** feature is now provided as standard with **EmbroideryStudio** Designing. This feature allows you to quickly create outline stitching around selected objects or entire designs with a variety of outline styles. See [Creating simple offsets](#) in the Onscreen Manual for details.



Advanced **Outlines & Offsets** is available as an option. See [Generating outlines and offsets](#) in the Onscreen Manual for details.



Benefits include:

- ◀ Automatically outline entire designs and/or design objects in one step
- ◀ Offset multiple objects, removing overlaps
- ◀ Choose any object type, including complex fills
- ◀ Selectable stitch type and color for multiple offsets

◀ Define repeating patterns.

Specify object outlines

Specify offset pattern

Set number of patterns

Set overlapping method

Outlines & Offsets

Create outlines

Overlapping method: Object type: Run Color: C1

Create offsets

#	Spacing	Distance	Object type	Color
1	1.00 mm	1.00 mm	Run	C17
2	1.00 mm	2.00 mm	Input C	C20
3	1.00 mm	3.00 mm	Motif Run	C12

Number of patterns: 2 Pattern spacing: 1.00 mm Total number of offsets: 6

Overlapping method: Corners: Cut sharp corners Create offsets for holes Join offsets into spiral

Angle limit: 20 Approximation: 0.10 mm

Keep original objects

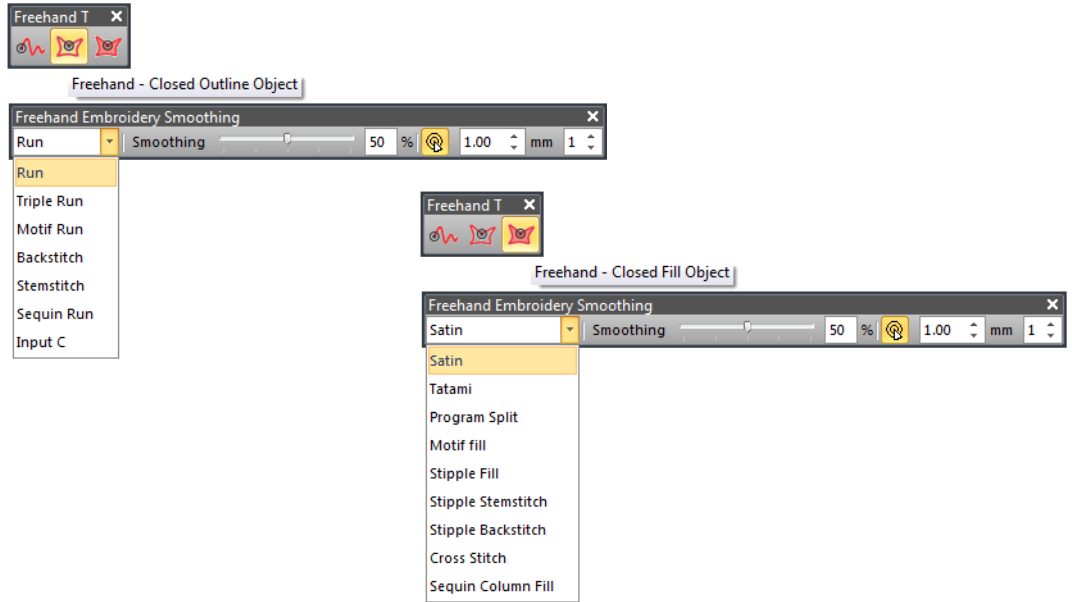
OK Cancel

Freehand stitching & calligraphy

- Use Toolbox > Freehand Tools > Freehand - Open Object to draw embroidery 'freehand' outlines on screen.
- Use Toolbox > Freehand Tools > Freehand - Closed Outline Object to draw 'freehand' embroidery outline objects on screen.
- Use Toolbox > Freehand Tools > Freehand - Closed Fill Object to draw 'freehand' embroidery fill objects on screen.

Enhanced **Freehand** is truly 'Freehand on steroids'. Any of the outline stitch types can now be used with **Freehand** open and closed curves. When **Open Object** or **Closed Outline Object** tools are selected, the droplist offers a choice of Run, Triple Run, and other outline stitch types. When the **Closed Fill** tool is

selected, the droplist offers the full range of fill stitch types. See [Creating freehand embroidery](#) in the Onscreen Manual for details.



The possibilities offered by these options for creative, artistic expression are limitless. Especially when used with stylus pen tablets.



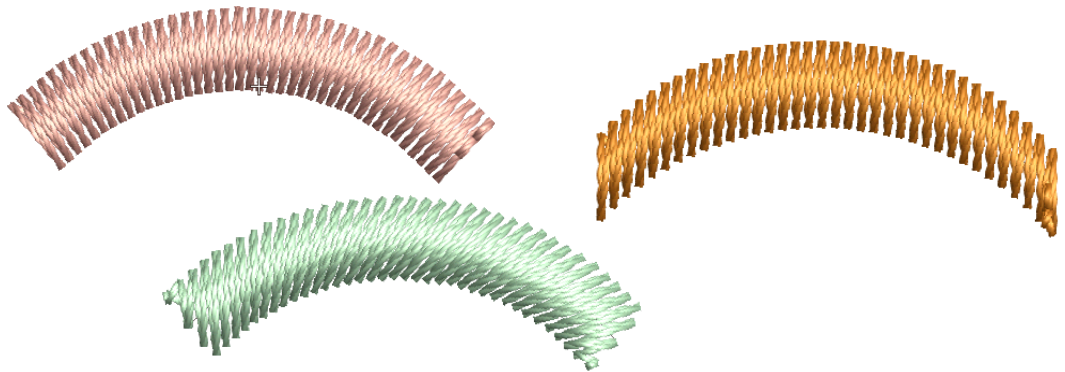
Combined with new **Input C** angle and orientation controls (see below), **Freehand - Open Object** can be used to create embroidered calligraphy.

Freehand

Freehand

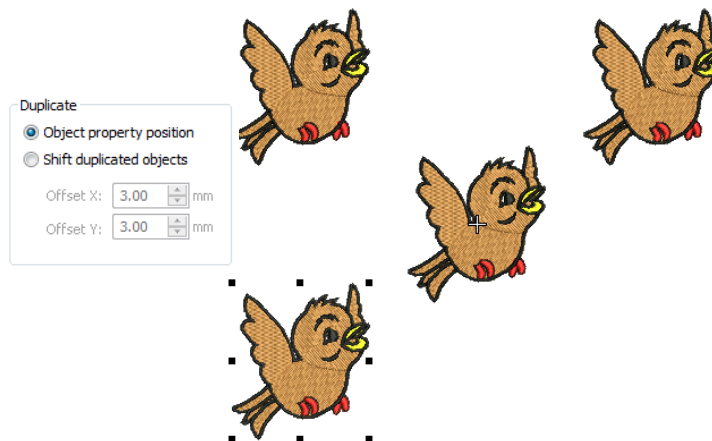
Turning satin with adjustable stitch angles

The **Input C** tool now provides control of angle, orientation and parallel stitching. **Input C** can now be used with **Freehand** tools to create 'calligraphic' effects. See also [Input C adjustable stitch angles](#).



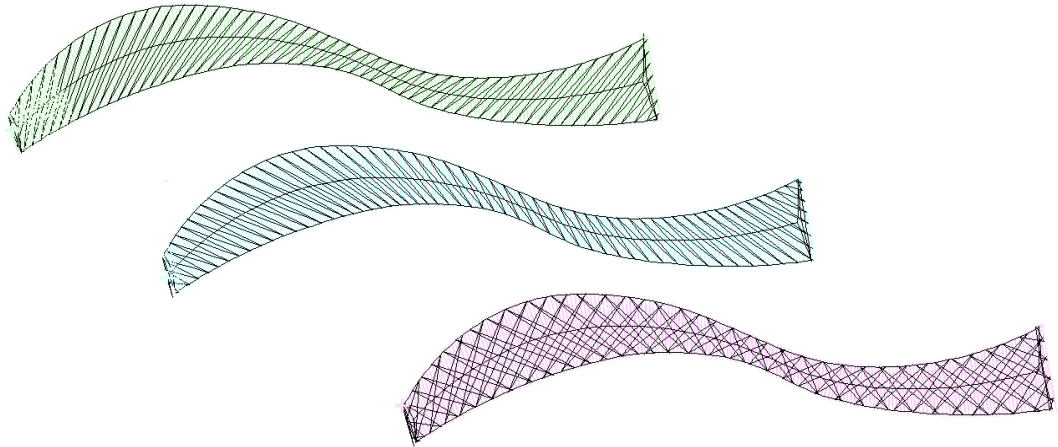
Step repeat offsets with duplicate objects

Wilcom **EmbroideryStudio** e3.0 now provides similar options for the **Duplicate** function as for **Paste**. You can choose between duplicating in the same position or offsetting from the source object. This means you can step-repeat offsets with duplicate objects. See [Duplicating objects](#) in the Onscreen Manual for details.



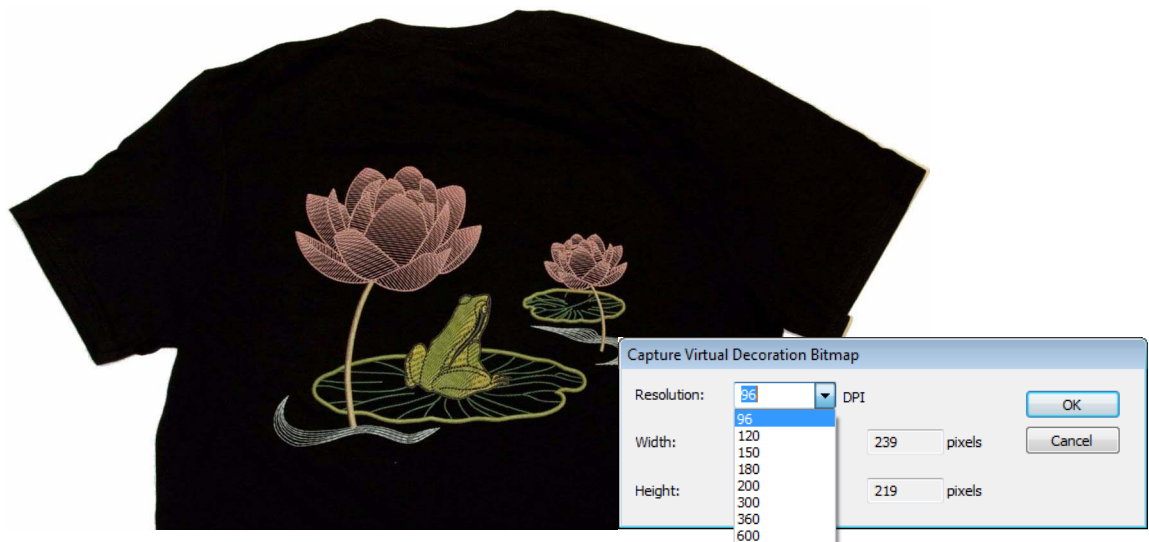
Slanted zigzag underlay

Wilcom **EmbroideryStudio** e3.0 now offers slanted **Zigzag** and **Double Zigzag** underlays together with editable stitch angles for Input A, B, and C objects. See also [Slanted Zigzag and Double Zigzag underlay](#).



New virtual decoration element

Wilcom **EmbroideryStudio** e3.0 now offers digital print high resolution **TrueView** for 'virtual decoration'. The result looks very real. This is a technique that can provide great commercial flexibility for embroiderers and direct-to-garment printers alike. See [Virtual embroidery design options](#) in the Onscreen Manual for details.



Improved graphic-to-embroidery conversion

Wilcom **EmbroideryStudio** e3.0 offers greatly improved graphic-to-embroidery conversion. See [Improved automatic digitizing](#) for details.



Benefits include:

- ◀ One-step conversion of bitmaps and vector graphics from CoreIDRAW® Graphics Suite
- ◀ Interactive conversion from Wilcom Decoration design window
- ◀ Automatic image preparation, color reduction, stitch assignment
- ◀ Fast, intelligent quality stitch results from scans & graphics.

Enhanced design viewing

Wilcom **EmbroideryStudio** e3.0 offers major improvements in design visualization.

Better quality TrueView images

In addition to extra large TrueView thumbnails in Windows and Design Explorer, TrueView display has improved in all aspects of the design environment:

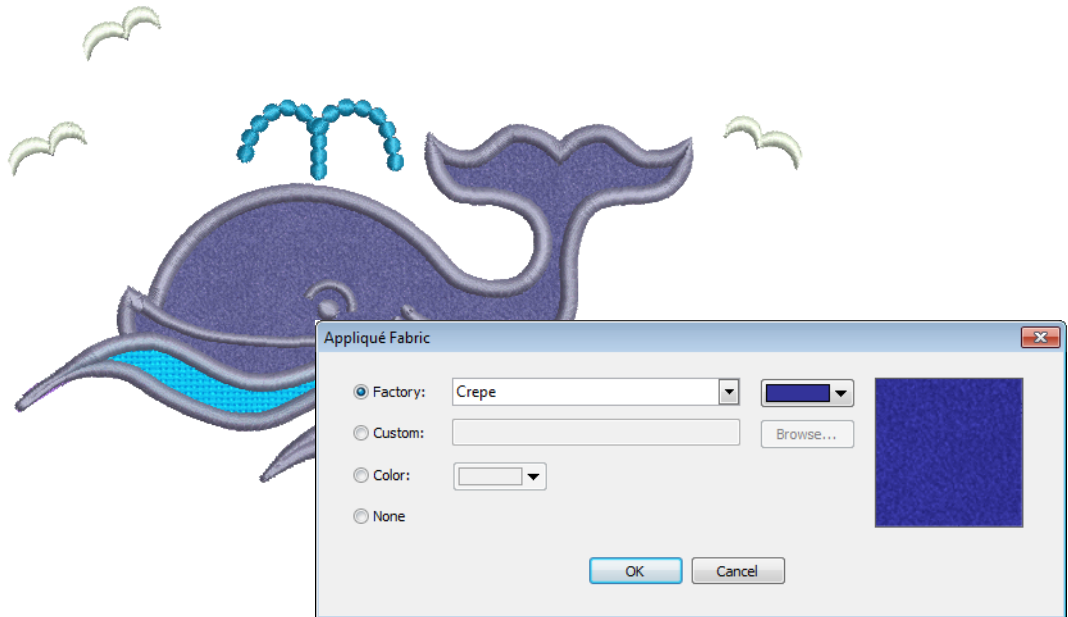
- ◀ Wilcom Decoration design window
- ◀ CoreIDRAW Graphics design window
- ◀ New **Capture Virtual Decoration Bitmap** function. See also [New virtual decoration element](#).

- ◀ TrueView now applies to appliqué and multi-decoration objects.




Fabric swatches for appliqué objects

Wilcom **EmbroideryStudio** e3.0 now lets you select a fabric swatch for appliqué objects. The swatch becomes a property of the object. See [Adjusting appliqué settings](#) in the Onscreen Manual for details.

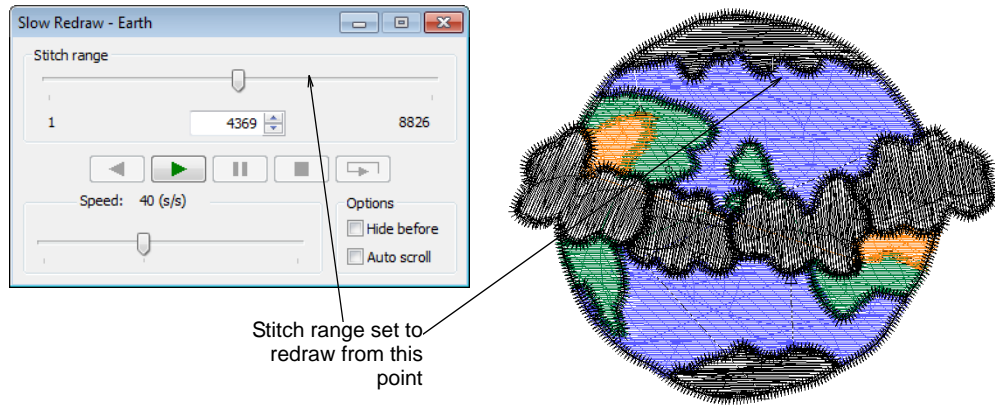


Enhanced Slow Redraw

 Use View > Slow Redraw to simulate embroidery design stitchout on screen.

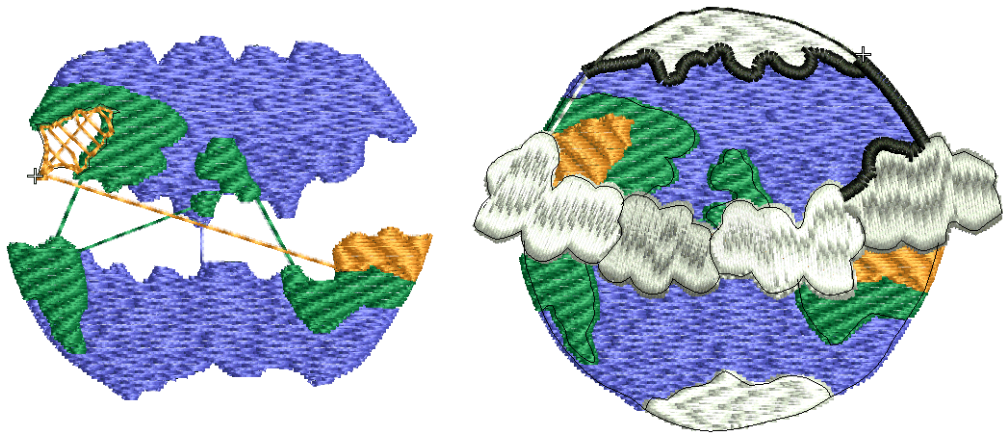
Slow Redraw is an important tool in **EmbroideryStudio**. It lets you simulate the actual embroidery design stitchout on screen. **Slow Redraw** has been

improved with the addition of a **Stitch Range** control. See [Simulating design stitchouts](#) in the Onscreen Manual for details.



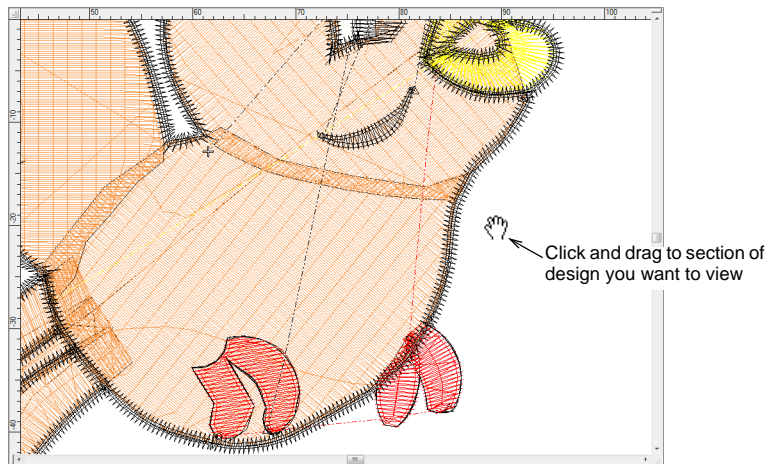
Stitch range set to redraw from this point

Slow Redraw can now be run in both **TrueView** and stitch view.



Improved panning and zooming

Pan is a very commonly used function. A common convention is the 'grabbing hand' tool which you click to 'hold' the design window and drag it around. This has now been implemented in **EmbroideryStudio**. See [Zooming & panning designs](#) in the Onscreen Manual for details.



Default zoom behavior has been revised. Previous mouse wheel behavior:

- ◀ Default action: Zoom 2X
- ◀ While holding Shift: Zoom 1.25X

New mouse wheel behavior:

- ◀ Default action: Zoom 1.25X
- ◀ While holding Shift: Zoom 2X

Pre-scaled accurate size product images

The default scale of '100%' for product images is more accurate with respect to regular size garments. See [Visualizing products](#) in the Onscreen Manual for details.



Improved lettering

Wilcom **EmbroideryStudio** e3.0 offers improvements in embroidery and multi-decoration lettering.

Automatic stitch generation for lettering objects

Stitches for lettering objects are now generated automatically as with other embroidery object types. Previously you had to press <G> to generate stitches manually. **Team Names** will remain the only object type where the stitches are not automatically generated. There is a popup notifying you of the exception.

New bling lettering



Use **Bling > Bling Lettering** to create bling lettering onscreen using native embroidery alphabets or TrueType fonts. Right-click for settings.

Wilcom **EmbroideryStudio** e3.0 now offers **Bling Lettering**. See [Creating bling lettering](#) in the Onscreen Manual for details.

Bling Block



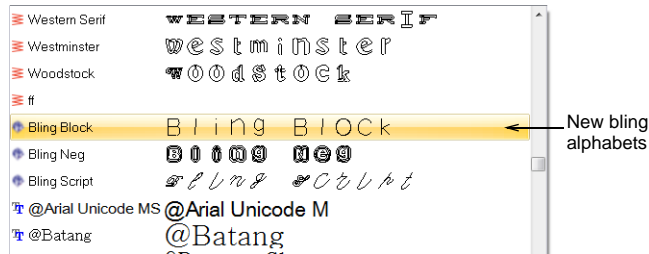
New Bling lettering

Bling Script

Bling Hollow

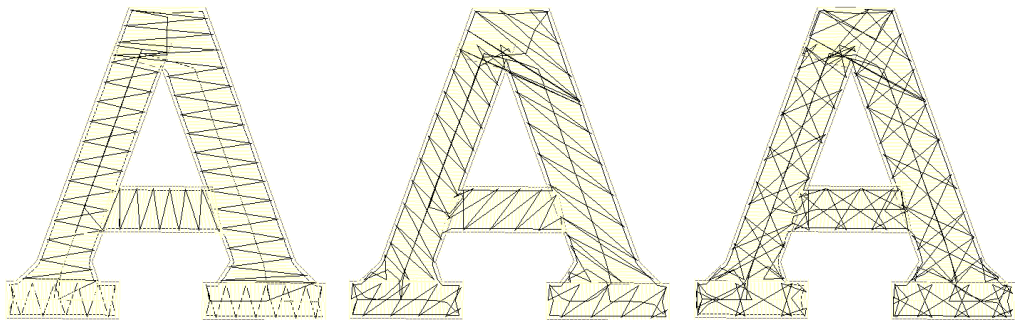
Benefits include:

- ◀ Re-sizeable bling lettering
- ◀ Use of bling automatic fills, outlines, or both
- ◀ Use of embroidery alphabets with bling
- ◀ Use of TrueType fonts with bling
- ◀ Fully editable bling lettering object properties
- ◀ New bling-specific alphabets.



Slanted zigzag underlay for lettering

If you are using zigzag underlay with lettering, you can also adjust stitch angles to create a 'cross-hatch' effect. This may provide more support than single zigzag. See also [Slanted Zigzag and Double Zigzag underlay](#).



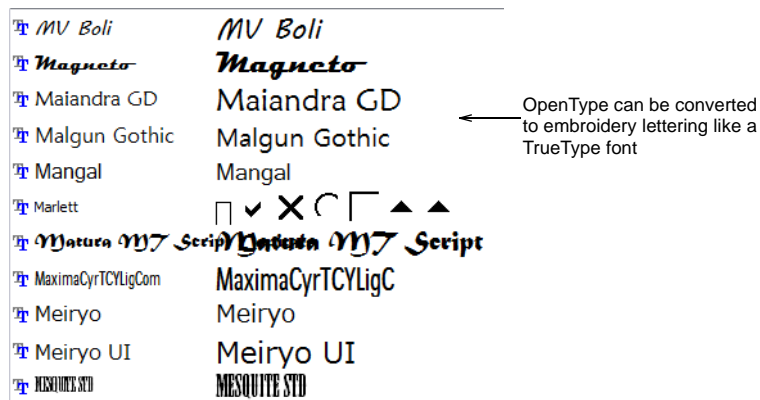
Default Zigzag

Slanted Zigzag


Slanted Double Zigzag

OpenType font support

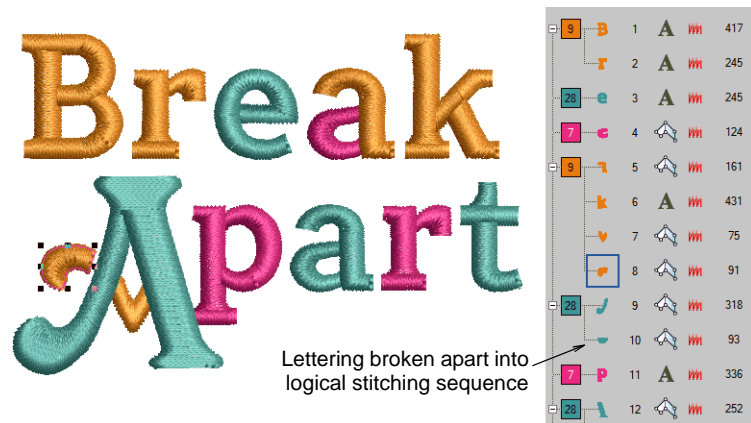
Wilcom **EmbroideryStudio** e3.0 supports OpenType fonts although they appear in the alphabet list with the TrueType icon. OpenType can now be converted to embroidery lettering.



Multi-level 'break apart' lettering for editing

 Use Arrange > Break Apart to split composite objects – monograms, appliqués, lettering, etc – into component objects.

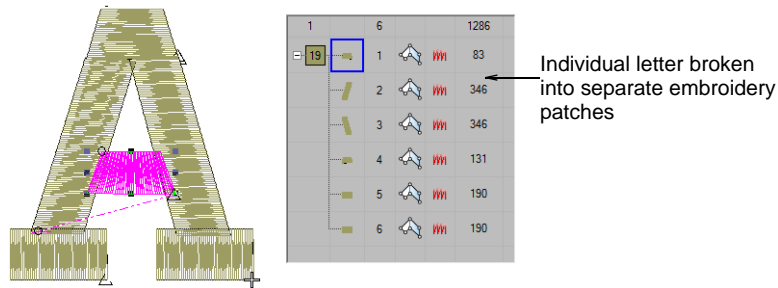
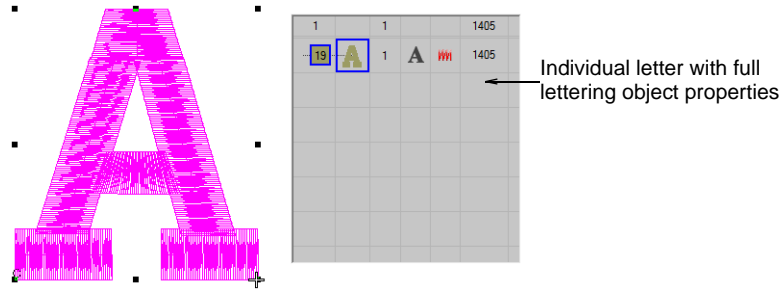
Applying the **Break Apart** function to a lettering object breaks it into a logical stitching sequence while maintaining lettering object characteristics. Object properties can be edited separately for single lines, single words, or even single characters. Stitching sequence is maintained. See [Breaking apart composite objects](#) for details.



Sequence logic is as follows:

- ◀ Multi-line lettering can be broken into separate objects per line
- ◀ Individual lines can be broken into separate objects per word
- ◀ Words can be broken into separate objects per letter.

- ◀ Letters can be broken into their individual embroidery patches. Lettering properties are lost but properties of each patch can be individually modified.



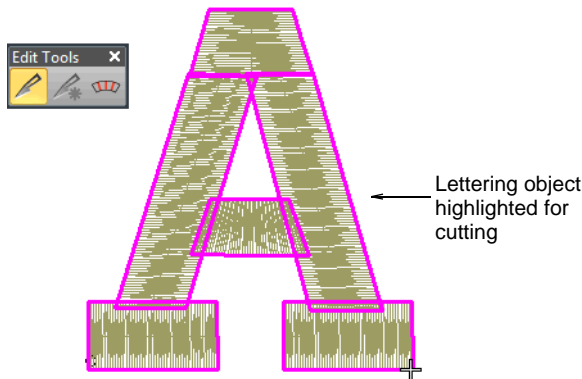
Tip An exception for single-line (multi-word) objects is the case of the center-out stitching sequence. Such objects are broken apart directly into single-letter objects. The stitching sequence is thereby preserved.

Cutting lettering with the Knife tool

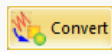


Use Toolbox > Edit Tools > Knife to cut objects along a digitized line, preserving stitch settings and colors in resulting objects.

When you select a lettering object and click the **Knife** icon, the object is now highlighted with a thick magenta outline for cutting. See [Cutting shapes manually](#) in the Onscreen Manual for details.



Converting embroidery lettering to vectors



Use CoreIDRAW - Wilcom Interaction > Convert Embroidery to Graphics to convert selected embroidery to graphics and switch to CoreIDRAW Graphics.

You can now convert embroidery lettering to vectors using the **Convert** button on **CoreIDRAW - Wilcom Interaction** toolbar.



New alphabets

Wilcom **EmbroideryStudio** e3.0 includes new professionally digitized alphabets. See [New alphabet inclusions](#) for details.



New alphabets include:

- ◀ 3 new bling alphabets
- ◀ 3 new modern logo fonts
- ◀ 1 new fancy accordion fill alphabet
- ◀ 4 run stitch alphabets
- ◀ 2 Cyrillic alphabets



Tip Six new Japanese alphabets (3000 characters each) are available for download from www.wilcom.com.

Improved automatic digitizing

Wilcom **EmbroideryStudio** e3.0 offers major improvements in automatic digitizing.


Improved Point & Stitch

The **Point & Stitch** and **Smart Design** automatic digitizing functionality has been combined into a single **Auto-Digitizing** tool group. See [Digitizing shapes with Auto-Digitizing](#) in the Onscreen Manual for details.



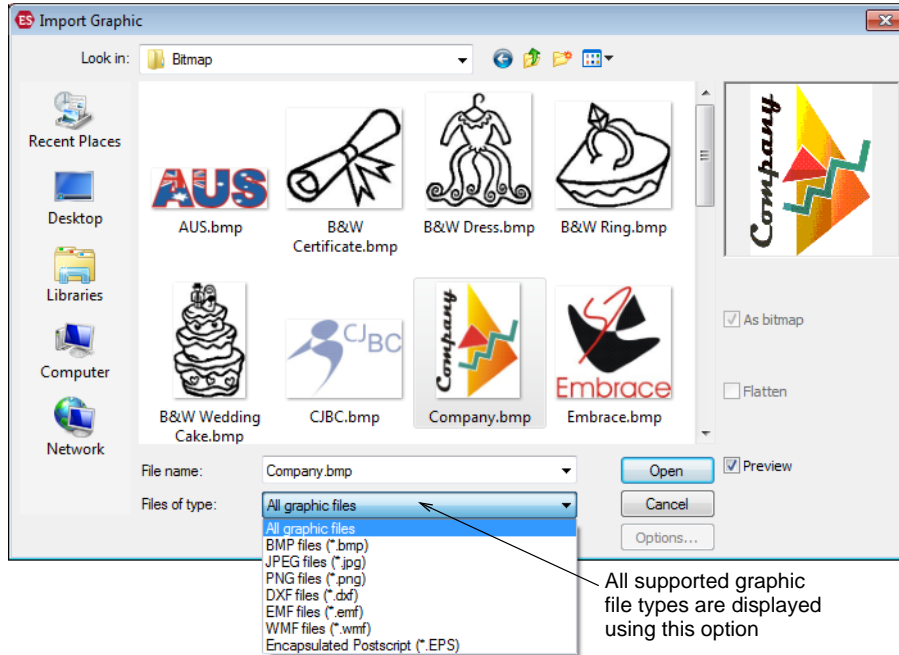
Combined Point & Stitch and Smart Design toolset

Improved graphics import

 Use **Standard > Import Graphic** to import vector graphic or bitmap image into current design.

The import function is now accessed via the **File > Import Graphic** command or toolbar equivalent. The dialog defaults to 'All graphic files' which displays all supported file types – BMP, PNG, EPS, etc. You don't need to change the **Files**

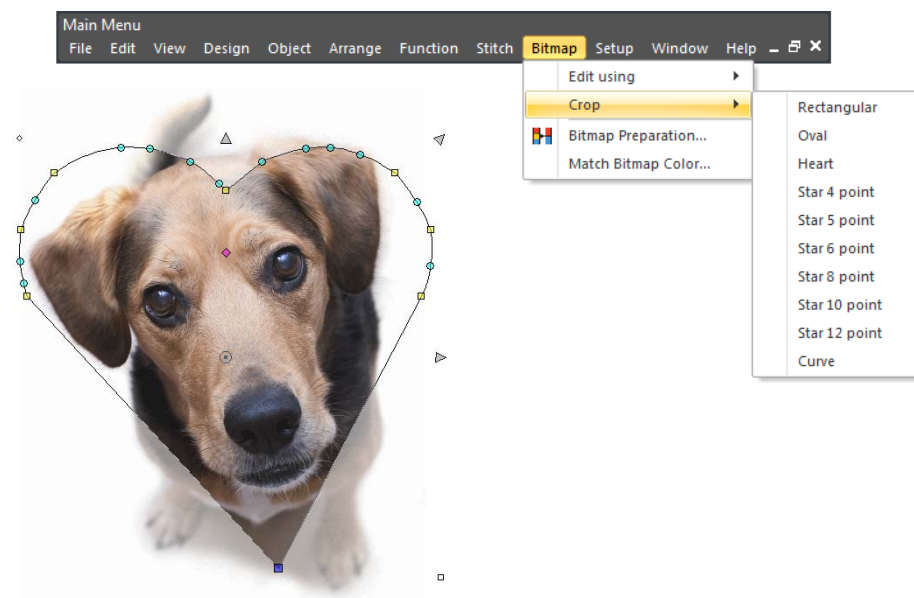
of type setting unless you want to filter on a specific file type – e.g. BMP. See [Importing bitmap images](#) in the Onscreen Manual for details.



Note While 'All Graphic Files' includes both vector and bitmap formats, for native CDR and other vector file types, use the CorelDRAW® Graphics Suite import function.

New 'soft crop' capability

Wilcom **EmbroideryStudio** e3.0 offers a greatly improved image cropping capability. It allows you to 'soft crop' images which means that you can reshape or remove cropping areas at any time. Show only that part of an image you want to use as a digitizing backdrop or for automatic processing. See [Cropping bitmap images](#) in the Onscreen Manual for details.

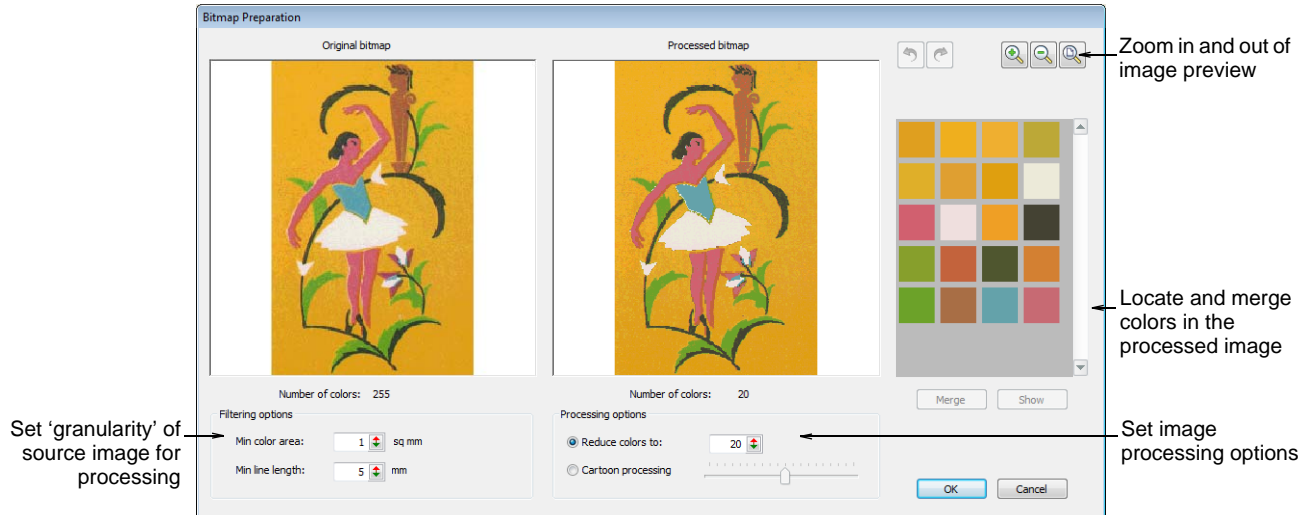


Improved bitmap preparation



Use **Toolbox > Auto-Digitizing Tools > Bitmap Preparation** to prepare bitmap images for automatic digitizing.

The old **Reduce Colors** and **Sharpen Outlines** functions are now merged into a single **Bitmap Preparation** dialog. See [Preparing images for auto-digitizing](#) for details.

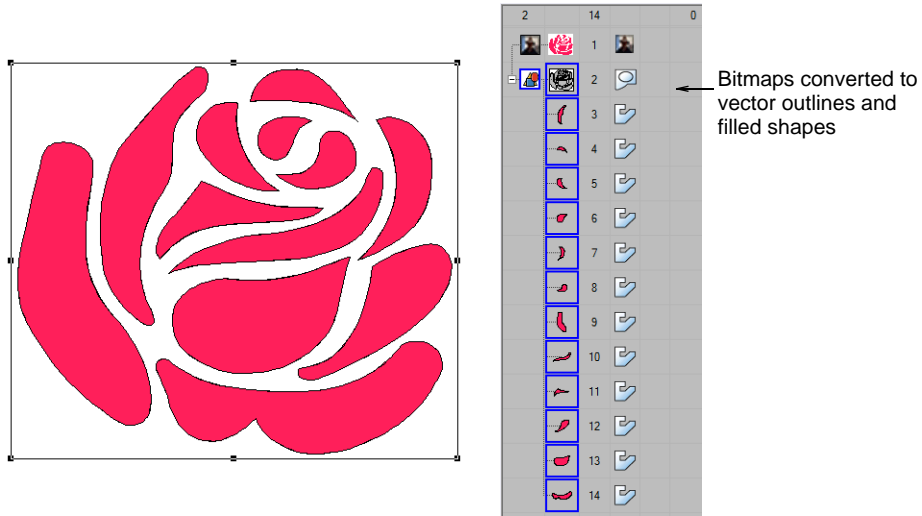


Benefits include:

- ◀ Simplified operation for outlined and non-outlined source images
- ◀ Better defaults for reduced color count
- ◀ Ability to set the 'granularity' of the source image for processing
- ◀ Ability to locate individual colors in the processed image
- ◀ Ability to merge selected colors as desired
- ◀ More realistic preview.

Improved Auto Trace

The **Auto Trace** tool now automatically traces entire bitmap images into vectors, both outlines and filled shapes. See [Auto-tracing artwork](#) in the Onscreen Manual for details.



Note If the bitmap needs preliminary color reduction, clicking **Auto Trace** takes you directly to the **Bitmap Preparation** dialog.

Improved graphics conversion from CoreIDRAW® Graphics Suite

Improved conversion from CoreIDRAW® Graphics Suite allows you to select any graphic regardless of type – bitmap or vector – and convert directly to embroidery. You do not need to know which type you have selected.



Benefits include:

- ◀ Easier to use, better quality results
- ◀ Import or scan bitmap directly into Wilcom Decoration, or via Corel
- ◀ Fully automatic or configurable image preparation

- ◀ Excellent bitmap noise removal and color reduction
- ◀ Fully automatic or configurable stitch assignment by color
- ◀ Fully editable embroidery objects
- ◀ Professional stitch quality.

Pull compensation for converted vectors

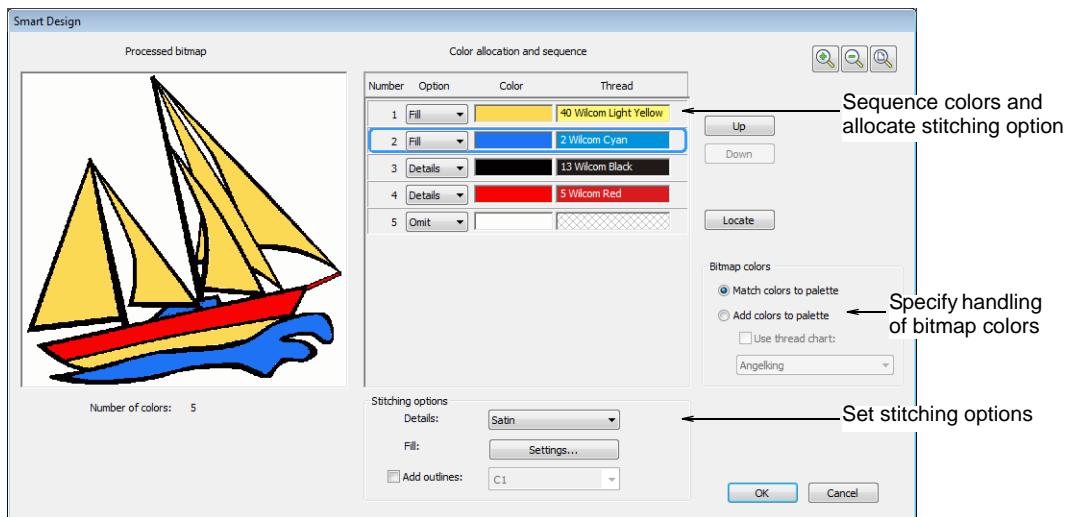
When converting vector objects to embroidery, vectors are flattened to produce the correct shapes for embroidery. In order to reduce the incidence of gaps forming, pull compensation is actually doubled but only when converting vectors to embroidery.

Improved Smart Design



Use Toolbox > Auto-Digitizing Tools > Smart Design to create embroidery designs directly from imported artwork.

The **Smart Design** feature has undergone a major overhaul in Wilcom **EmbroideryStudio** e3.0. See [Converting bitmaps with Smart Design](#) in the Onscreen Manual for details.



Benefits include:

- ◀ Reduced overall number of steps for auto-digitizing
- ◀ Enabled for unprocessed images. The **Bitmap Preparation** dialog opens as needed
- ◀ Allows pre-sequencing of color blocks
- ◀ Option to automatically match bitmap colors to a selected thread chart, not just the current colorway
- ◀ Option to automatically add outlines to non-outlined designs.

Improved Fountain Fill conversion

Wilcom **EmbroideryStudio** e3.0 now converts vectors with **Fountain Fill** to an sensible color other than the default 'powder blue'. The software 'averages' the

gradient color to determine the thread color. See [Converting vector and embroidery objects](#) in the Onscreen Manual for details.

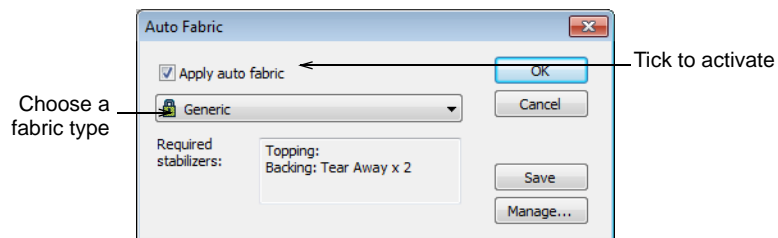


Stitch quality improvements

Wilcom **EmbroideryStudio** e3.0 offers many improvements in embroidery stitch quality.

Improved Auto Fabrics

Wilcom **EmbroideryStudio** e3.0 offers major improvements in auto fabrics. You can now access the **Design > Auto Fabric** command at any time. See [Working with fabrics](#) in the Onscreen Manual for details.



Benefits include:

- ◀ Professional stitch quality
- ◀ Easier selection and application
- ◀ Can be applied to old and new designs.

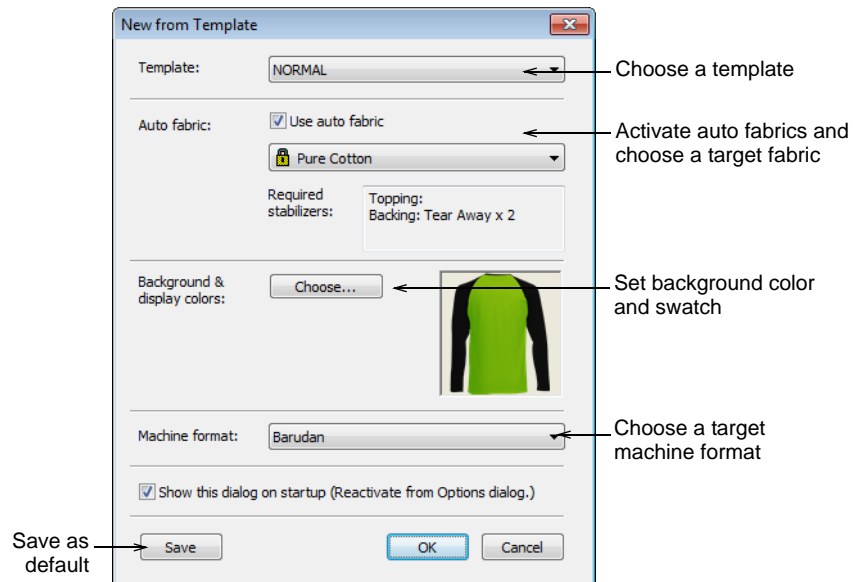
Revised underlay and pull comp settings

Previously, the Tatami + Tatami setting on a custom fabric based on Terry Towelling was interpreted as Tatami + Zigzag when creating Complex Fill Tatami objects with the custom fabric applied. The setting now consistently produces Tatami + Tatami underlay.


The pull compensation settings for auto fabrics have been revised to provide better coverage for target fabrics.

Improved design creation

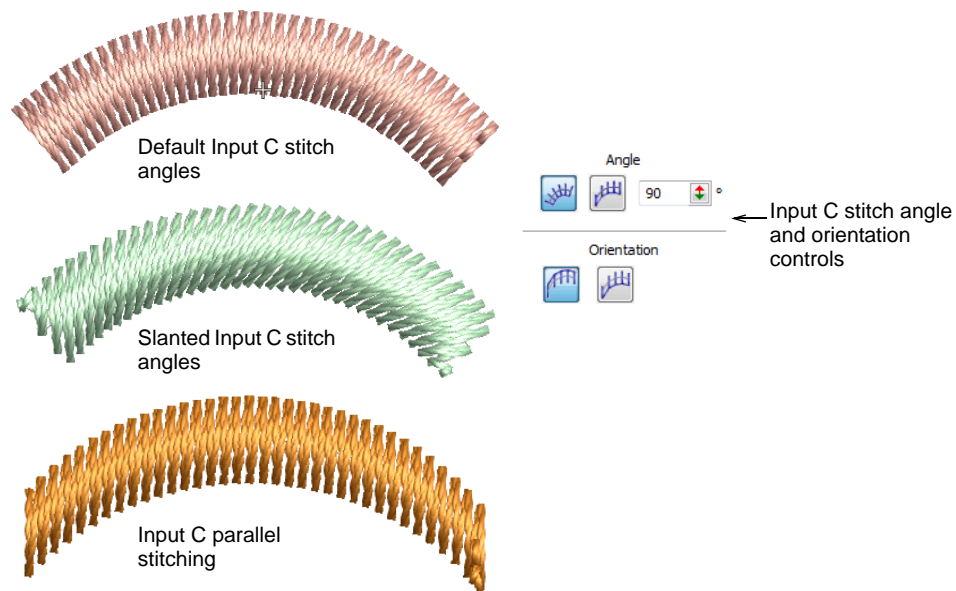
With the revised **New from Template** function, you can choose to base default settings on a selected template alone, or additionally, on fabric settings. This function replaces and improves on the old **Auto-Fabric Assistant** function. See [Creating and saving designs](#) in the Onscreen Manual for details.



Input C adjustable stitch angles

 Use Toolbox > Column Shape Tools > Input C to digitize columns or borders of fixed width. Right-click for settings.

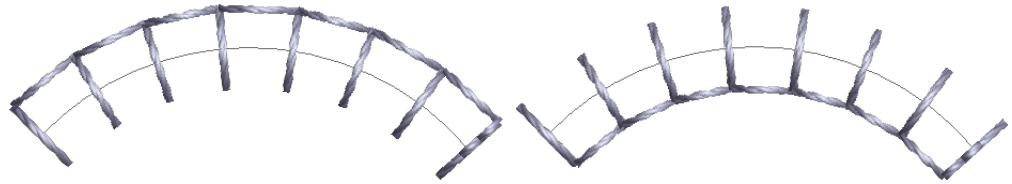
The **Input C** tool now provides control of stitching angle and orientation. See also [Digitizing borders](#) in the Onscreen Manual.



Angle and **Orientation** controls allow you to:

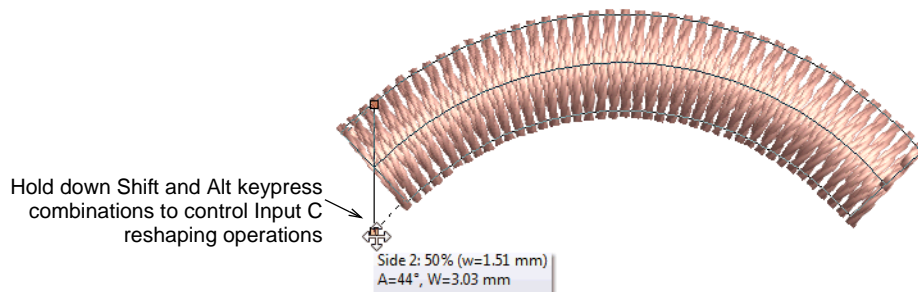
- ◀ Control the angle of stitches relative to baseline.

- ◀ Create parallel stitching and control the angle relative to the horizontal. Use it to create calligraphy-like stitching in conjunction with **Freehand**. See also [Creating freehand embroidery](#).
- ◀ Control orientation to set which side to start stitching on. This is most useful for **E Stitch**.






Reshaping operations for **Input C** objects reflect the above improvements:

- ◀ With the **Reshape** tool activated, drag reshape handles to control object width, as before
- ◀ Hold down <Alt> and drag to adjust offsets
- ◀ Hold down <Shift> and drag to adjust angles.

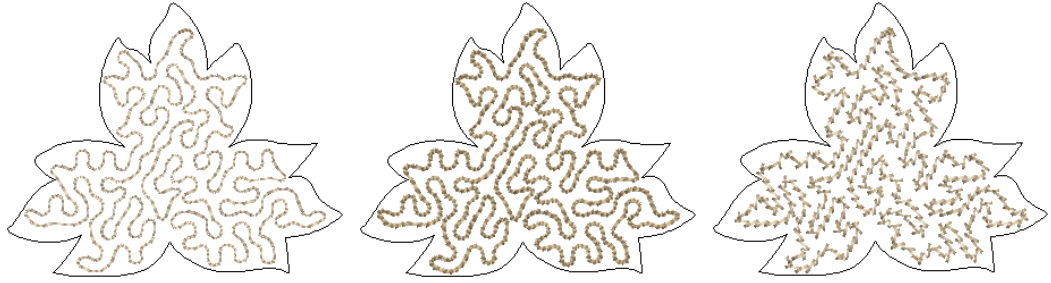


Backstitch & Stemstitch stipple fills

	Use Stitch Types > Stipple Fill to create stippled fills of run stitching which meanders more or less randomly within a border. Right-click for settings.
	Use Stitch Types > Stipple Backstitch to create a backstitch fill which meanders randomly within a border. Right-click for settings. Right-click for settings.
	Use Stitch Types > Stipple Stemstitch to create a stemstitch fill which meanders randomly within a border. Right-click for settings. Right-click for settings.

Wilcom **EmbroideryStudio** e3.0 makes available a greater variety of stitch types for use with **Stipple** fill. Two new icons are included on the **Stitch Types** toolbar for **Stemstitch** and **Backstitch** stippling. You control stitch density in stipple objects by adjusting stitch length and loop spacing. Stipple fill objects can

be reshaped like other complex shapes. See [Creating stippling effects](#) in the Onscreen Manual for details.



Increased max limits for Stemstitch and Backstitch



Use Toolbox > Outline Tools > Backstitch to place a row of backstitches along a digitized line. Right-click for settings.



Use Toolbox > Outline Tools > Stemstitch to place a row of stemstitches along a digitized line. Right-click for settings.

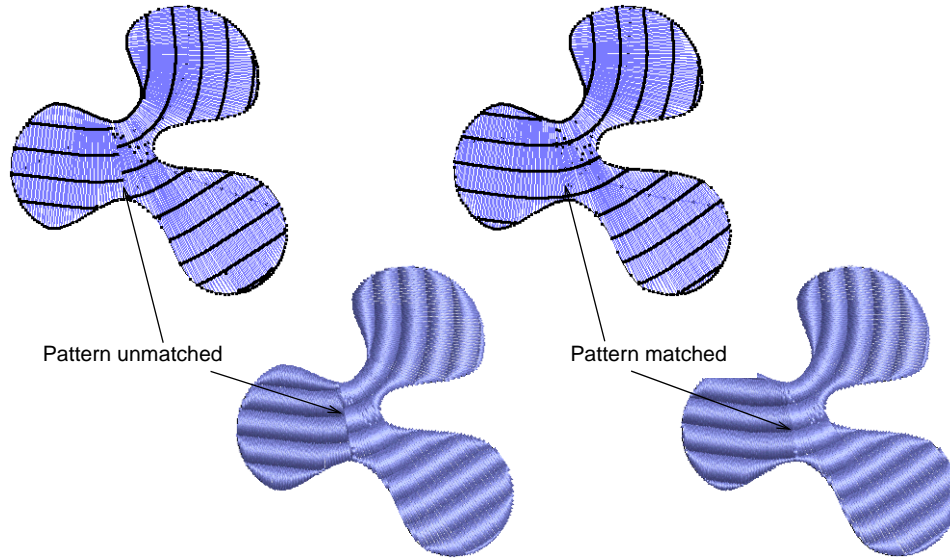
Previously maximum stitch length for both **Stemstitch** and **Backstitch** was 4.5 mm. In response to demand, this has been increased to 8 mm. Stemstitch maximum spacing has been increased to 4.5mm. Backstitch maximum chord gap is now 8mm.

Max length now 8mm and max chord gap 8mm

Max thickness now 8mm and max spacing now 4.5mm

Matching fill patterns in Fusion Fill

When creating a **Fusion Fill** object with multiple stitch angles, Tatami patterns did not always match across segment joins. This was more noticeable with patterns different to default settings (offset fraction A=0.25, B=0.25).

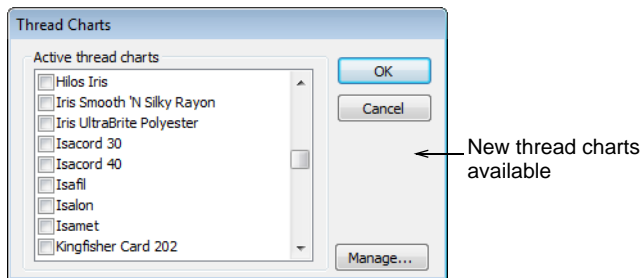


Wilcom **EmbroideryStudio** e3.0 now provides automatic matching or 'sculptured' Tatami offsets. This means that more visually distinct Tatami patterns, such as unequal offsets and partition lines, can be used with **Fusion Fill**. See [Creating textures with Tatami offsets](#) in the Onscreen Manual for details.

New thread charts

The following thread charts have been added to **EmbroideryStudio**:

- ◀ Iris UltraBrite Polyester
- ◀ Iris Smooth 'N Silky Rayon
- ◀ Madeira Frosted Matt 40
- ◀ Timeless



Usability improvements

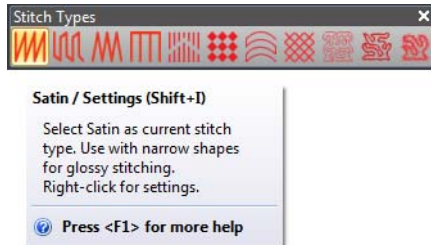
Wilcom **EmbroideryStudio** e3.0 offers major improvements in interface design and overall system usability.

Improved screen calibration

You need to calibrate your monitor so that designs at 1:1 scale appear at real size. The screen calibration function is now located under **Setup > Calibrate Screen** for easy access. **TrueView** display has been improved even if screen calibration has not been performed. See [Calibrating the monitor](#) in the Onscreen Manual for details.

Extended tooltips

Wilcom **EmbroideryStudio** e3.0 provides extended tooltips which explain more precisely what each tool is used for. An <F1> keypress accesses context-sensitive help.



Rotate and skew tooltips

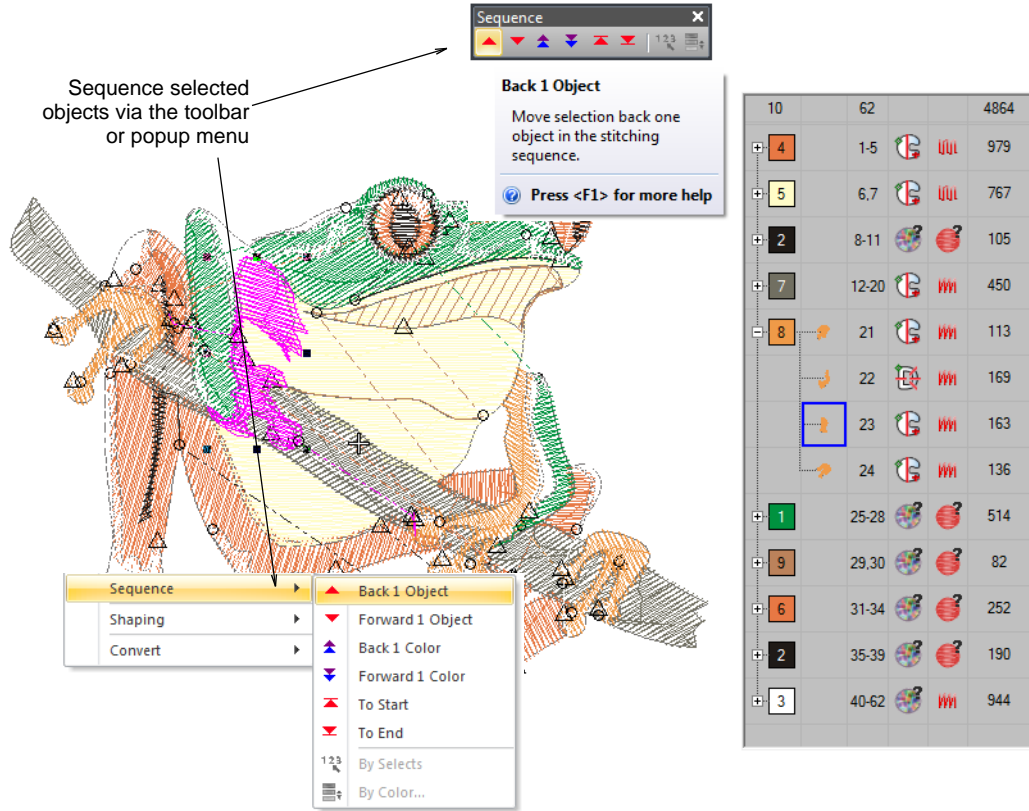
Tooltips are now provided for all transformation functions – **Resize**, **Rotate** and **Skew**. See [Arranging, Scaling & Transforming Objects](#) in the Onscreen Manual for details.



New Sequence commands

The new **Sequence** toolbar provides a convenient means for sequencing selected objects. Use it in conjunction with the **Color-Object List**. Alternatively, use the popup menu **Sequence** option to resequence objects 'on-the-fly'. The

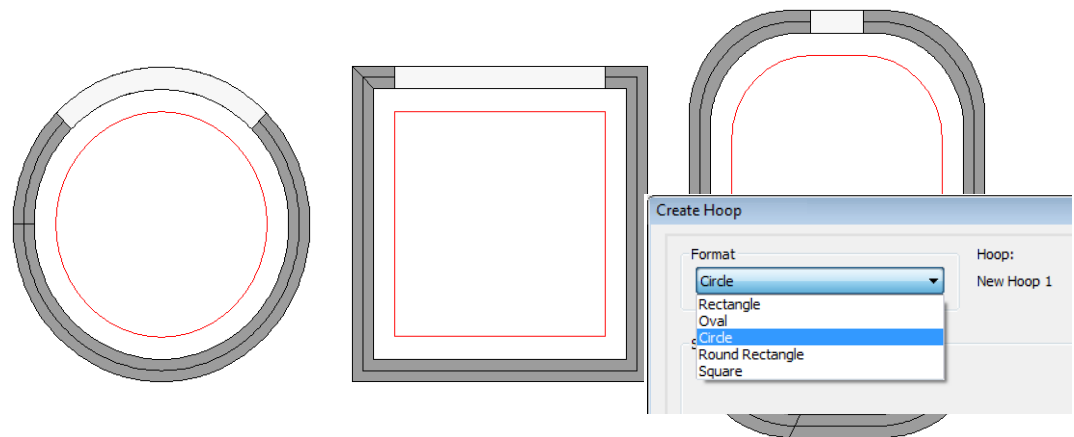
same options can be accessed from the **Color-Object List** popup menu. See [Sequencing embroidery objects](#) in the Onscreen Manual for details.



Custom hoops

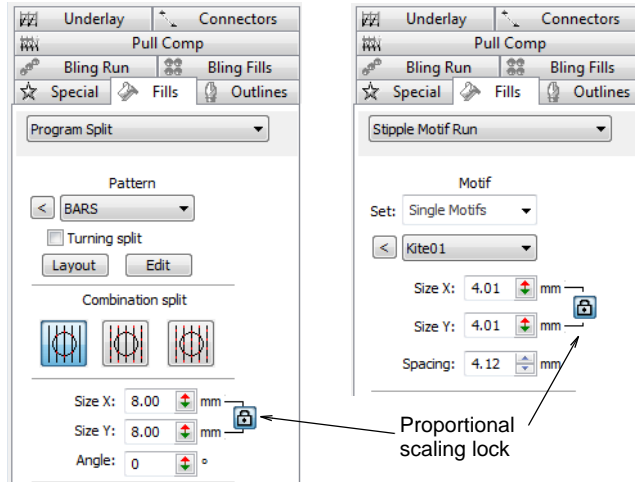
 Click View > Show Hoop to turn hoop display on or off. Right-click to change hoop settings.

The Create Hoop function is now available as standard in **EmbroideryStudio Lettering** and **EmbroideryStudio Editing**. If you are using a hoop size that is not in the hoop list, you can define your own hoops and save them for later use. See [Defining custom hoops](#) in the Onscreen Manual for details.




Proportional resizing

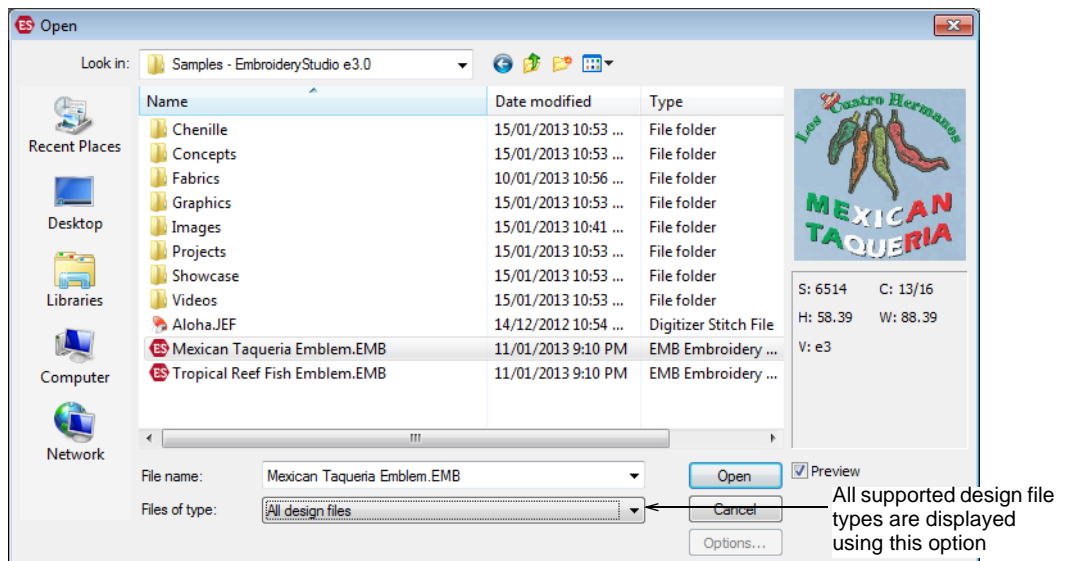
Wilcom **EmbroideryStudio** e3.0 now allows you to resize motifs and other patterns proportionally via **Object Properties**. A proportional scaling lock maintains aspect ratio when changing pattern size.



Open 'all design files' function

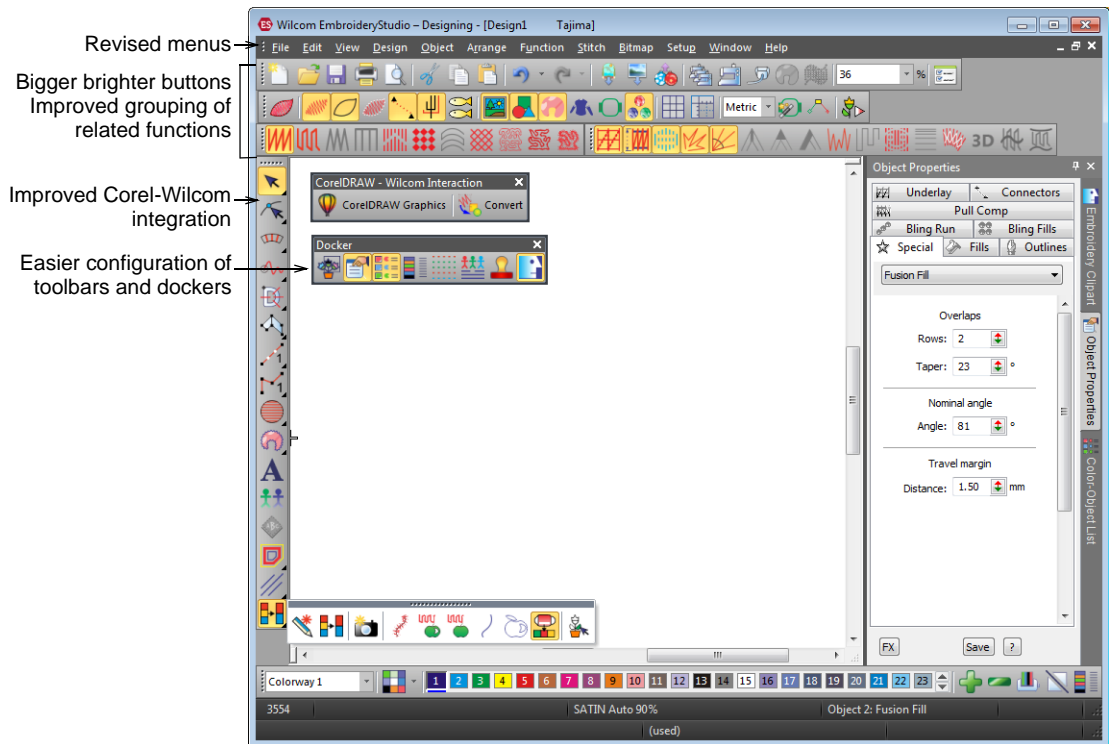
 Use Standard > Open to open an existing design.

The **Open** dialog includes an 'All design files' option which displays all supported design file types – EMB, EXP, DST, etc. You don't need to change the **Files of type** setting unless you want to filter on a specific file type – e.g. EMB. See [Creating and saving designs](#) in the Onscreen Manual for details.



Interface improvements

Wilcom **EmbroideryStudio** e3.0 has a new color scheme and updated interface in keeping with its partner product CorelDRAW® Graphics Suite X6.



Improved menus

The menu structure in Wilcom **EmbroideryStudio** e3.0 has undergone a major reorganization.

Menu	Note
File	These standard menus are maintained but with internal organization and naming improvements.
Edit	
View	
Design	This new menu combines commands which affect designs as a whole. Previously dispersed amongst other menus and toolbars, they are combined into a single logical grouping.
Object	Similarly, this new menu combines functions which apply at the design object level. Again, they are combined into a single logical grouping.
Arrange	The Arrange menu remains but with the inclusion of additional commands.
Function	This new menu brings together all the low-level commands associated with machine function handling.
Stitch	Similarly, the Stitch menu brings together all low-level commands associated with stitch editing. The existing menu remains but includes additional commands.
Bitmap	This menu replaces the previous Image menu providing organization and naming improvements.

Menu	Note
Setup	This new menu brings together all functions associated with system configuration and asset management.
Window	The Window menu remains but now provides access to anything in the software which appears in its own window, including dockers.
Help	The Help menu remains but includes better access to help and support resources, both installed and online.

Improved toolbars

Toolbars too have undergone a rethink in Wilcom **EmbroideryStudio** e3.0 in order to rationalize like-functions and improve usability. Affected toolbars include:

Toolbar	Note
CorelDRAW - Wilcom Interaction	The 'Universal' toolbar has been renamed the 'CorelDRAW - Wilcom Integration' toolbar. It is available with the CorelDRAW® Graphics Suite option. See also Improved Wilcom-Corel integration .
Arrange	The revised Arrange menu mirrors the revised Arrange menu.
Auto-Digitizing	The new Auto-Digitizing toolbar brings together all functions associated with automatic digitizing, including a much improved Smart Design feature. See also Improved automatic digitizing .
Bling	The revised Bling toolbar contains the new Bling Lettering tool. See also New bling lettering .
Color Palette	This toolbar remains mainly unchanged except for a revised display options function.
Create Special	This toolbar has been revised with the inclusion of Use Motif function which used to be found in the Special menu.
Docker	This new toolbar provides quick access to all the docker dialogs in the software which are also available via the Window menu.
Function	This new toolbar provides quick access to low level machine functions previously available via the Generate and Stitch/Function toolbars and Machine menu.
Reshape	This toolbar now includes Keep/Omit Last Stitch functions moved from the Stitch/Function toolbar.
Schiffli	A revised Schiffli toolbar contains a new Schiffli Arrangement icon.
Sequence	New Sequence tools provide a convenient means for sequencing objects. See also New Sequence commands .
Standard	The Standard toolbar has reorganized to reflect the organization of the CorelDRAW® Standard toolbar.
Stitch Types	A revised Stitch Types toolbar contains new Stipple Backstitch and Stipple Stemstitch. See also Backstitch & Stemstitch stipple fills .
Transform	A revised Transform toolbar provides easy access to object transformations by reference line.
View	A revised View toolbar contains functions for showing repeats, appliqué fabrics, and background images. See also Fabric swatches for appliqué objects .
Zoom	A new Zoom toolbar provides ready access to all the zoom functions in the software.

Miscellaneous improvements

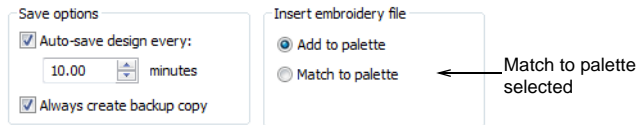
Wilcom **EmbroideryStudio** e3.0 provides the following miscellaneous improvements.

Add sequin designs to monogramming

Application crashes have been reported when inserting certain design elements, for example sequins, into monogramming designs via the **Ornaments** tab. This problem has been rectified.

Insert JEF files with 'match to palette'

Application crashes have been reported when opening JEF files with the import method set to 'match to palette'. This problem has been rectified.



Related to the above, the compact palette function fails to work with the 'match to palette' function. Colors of imported files are matched but when compacting the palette some colors are lost. This problem has been rectified.

Display TrueView images without black highlights

Unwanted black highlights in **TrueView** – particularly noticeable in areas of open stitching – have been reported in CoreIDRAW® Graphics Suite. The same issue has been reported in relation to capturing design bitmaps. This problem has been rectified.

Multiple scrolling

Multiple scrolling has been reported when digitizing at the corner of the design window. Moving the cursor in this area of the screen causes the display area to be scrolled multiple times. This problem has been rectified.

Bling object outlines in CoreIDRAW®

Bling object outlines display unnecessarily in CoreIDRAW® Graphics Suite. This is no longer the case.

Native Wilcom EMB

Native Wilcom design files have been renamed from 'Design Files (EMB)' to 'Wilcom EMB Design (EMB)'. The **Open Design** and **Save Design** dialogs now display the following file types in the droplist:

- ◀ Wilcom EMB Design e3 (*.EMB)
- ◀ Wilcom EMB Design e2 (*.EMB)
- ◀ Wilcom EMB Design e1.8 (*.EMB)
- ◀ Wilcom EMB Design e1.5 (*.EMB)
- ◀ Wilcom EMB Design e1 (*.EMB)
- ◀ Wilcom EMB Design V2006 (*.EMB)

Template files take a similar form:

- ◀ Wilcom EMB Template (*.EMT)



Note For EMB file format, you can only save back to EMB version V2006 or later.

Appendix

Wilcom **EmbroideryStudio** e3.0 is a major new release of Wilcom’s suite of embroidery and multi-decoration software products.

Summary of new and improved capabilities

Below is a summary of the new and improved feature sets of **EmbroideryStudio**.

Feature	Product Level			Reference
	L	E	D	
Enhanced work environment				Enhanced work environment
Extra large TrueView thumbnails of multi-decoration designs in Explorer	●	●	●	Enhanced Wilcom EMB ‘ecosystem’
Revised and improved toolbars	●	●	●	Enhanced user interface
New CorelDRAW® Graphics Suite X6.1 feature set			●	New CorelDRAW X6 features
Improved Corel-Wilcom interaction with higher quality embroidery conversion			●	Improved Wilcom-Corel integration
Improved installation and handling of product updates/upgrades	●	●	●	Improved convenience and logistics
Network dongle support for multiple users	●	●	●	Multi-user network dongle
Digitizing enhancements				Enhanced digitizing
Offset objects – standard			●	Enhanced outlines & offsets
Outlines and offset objects – advanced			○	Enhanced outlines & offsets
Full range of stitch types available for use with Freehand tools			○	Freehand stitching & calligraphy
Duplication options now include same position or offset from source object	●	●	●	Step repeat offsets with duplicate objects
Improved underlays with slanted Zigzag and Double Zigzag		●	●	Slanted zigzag underlay
New high resolution TrueView lets you capture screen images up to 600 DPI for DTG printing			○	New virtual decoration element
Improved bitmap-to-embroidery conversion			○	Improved graphic-to-embroidery conversion
Enhanced design viewing				Enhanced design viewing
Hi-res TrueView thumbnails now available in Windows and ES Design Explorer	●	●	●	Better quality TrueView images
Appliqué objects now include fabric swatches			●	Fabric swatches for appliqué objects
● Included as standard ○ Modular ‘element’				

Feature	Product Level			Reference
	L	E	D	
Slow Redraw now includes 'Stitch Range' control	●	●	●	Enhanced Slow Redraw
Pan now uses the familiar 'grabbing hand' icon and functionality	●	●	●	Improved panning and zooming
Improved default scaling for product images	●	●	●	Pre-scaled accurate size product images
Lettering improvements				Improved lettering
Stitches for lettering objects are now generated automatically as with other object types	●	●	●	Automatic stitch generation for lettering objects
New Bling Lettering lets you create lettering with Bling Fill as well as Bling Run			○	New bling lettering
Lettering objects can now be broken apart while preserving the stitching sequence		●	●	Multi-level 'break apart' lettering for editing
Lettering objects can now be cut with the Knife tool			●	Cutting lettering with the Knife tool
Embroidery lettering now converts to vectors using the Convert function			●	Converting embroidery lettering to vectors
15 new professional digitized alphabets	●	●	●	New alphabets
Improved automatic digitizing				Improved automatic digitizing
Automatic digitizing functionality combined into single Auto-Digitizing tool group			○	Improved Point & Stitch
'All graphic files' import filter displays and opens any supported file types – BMP, PNG, JPG, etc	●	●	●	Improved graphics import
Improved image cropping for digitizing backdrops and/or automatic processing			●	New 'soft crop' capability
Smart Design includes big improvements in both bitmap preparation and conversion			○	Improved bitmap preparation
Improved conversion handles any graphic regardless of type – bitmap or vector			○	Improved graphics conversion from CoreDRAW® Graphics Suite
Smart Design includes big improvements in both bitmap preparation and conversion			○	Improved Smart Design
Vectors with Fountain Fill convert to a sensible color other than 'powder blue'			●	Improved Fountain Fill conversion
Stitch quality improvements				Stitch quality improvements
Now access the Auto Fabric command at any time and apply to any design	●	●	●	Improved Auto Fabrics
Base default settings on a selected template alone or additionally on fabric settings	●	●	●	Improved design creation
Greater control of angle, orientation and parallel stitching with Input C			●	Input C adjustable stitch angles
Greater variety of stitch types available for use with Stipple fill			○	Backstitch & Stemstitch stipple fills
Increased maximum limits for Stemstitch and Backstitch			○	Increased max limits for Stemstitch and Backstitch
● Included as standard ○ Modular 'element'				

Feature	Product Level			Reference
	L	E	D	
Visually distinct Tatami patterns can be matched across Fusion Fill segments		●	●	Matching fill patterns in Fusion Fill
New thread charts include: Iris UltraBrite Polyester, Iris Smooth 'N Silky Rayon, Madeira Frosted Matt 40, and Timeless	●	●	●	New thread charts
Usability improvements				Usability improvements
Easier and more reliable screen calibration	●	●	●	Improved screen calibration
Extended tooltips and context-sensitive help for toolbar buttons	●	●	●	Extended tooltips
Tooltips for rotation and skew operations	●	●	●	Rotate and skew tooltips
New Sequence tools provide a convenient means for sequencing objects			●	New Sequence commands
Proportional scaling lock maintains aspect ratio when changing pattern size	●	●	●	Proportional resizing
'All design files' function for easy file access when opening	●	●	●	Open 'all design files' function
Interface improvements				Interface improvements
Improved menus	●	●	●	Improved menus
Improved toolbars	●	●	●	Improved toolbars
Miscellaneous improvements				Miscellaneous improvements
Add sequin designs to monogramming without problem	●	●	●	Add sequin designs to monogramming
Insert JEF files with 'match to palette' without problem	●	●	●	Insert JEF files with 'match to palette'
Display TrueView without unwanted black highlights	●	●	●	Display TrueView images without black highlights
Unwanted multiple scrolling de-activated	●	●	●	Multiple scrolling
Bling object outlines are no longer displayed in CoreIDRAW®			●	Bling object outlines in CoreIDRAW®
Native Wilcom design files renamed to Wilcom EMB Design (EMB)	●	●	●	Native Wilcom EMB
● Included as standard ○ Modular 'element'				













Note For an itemized listing of the new and improved features for each product level, see [Product Differentiation Table](#) in the **EmbroideryStudio** User Manual.

Module elements by feature

Wilcom **EmbroideryStudio** e3.0 modules include the following feature sets:

Element	Feature	Reference
Productivity		

Element	Feature	Reference
 Offsets Advanced	Outlines & Offsets	Generating outlines and offsets
 Team Names Advanced	Create Teamname Layout	Creating teamname layouts
 Vector Drawing	Drawing Tools	Creating vectors in EmbroideryStudio
 Auto-Digitize Bitmaps	Bitmap Preparation	Preparing images for auto-digitizing
	Auto Trace	Auto-tracing artwork
	Auto-Digitizing	Digitizing shapes with Auto-Digitizing
	Smart Design	Converting bitmaps with Smart Design
 Auto Shaping	Shaping Tools	Shaping objects
	Remove Overlaps	Removing underlying stitching
	Fill Holes	Filling holes in objects
	Close Object	Creating outlines and details
 Auto Arrangements	Mirror Merge	Creating wreaths and arrays
Creativity		
 Custom Splits	Flexi Split	Creating textures with Flexi Split
	Carving Stamp	Making custom splits
	User Defined Split	
 Freehand	Freehand	Creating freehand embroidery
 Photo Flash	Photo Flash	Creating embroidery from photographs
 Shading & Open Fills	Cross Stitch Fill	Creating cross stitch fills
	Stipple Fill	Creating stippling effects
	Trapunto	Creating open stitching with trapunto
	Accordion Spacing	Creating accordion spacing effects
	Color Blending	Creating color blending effects
 Curved Fills	Liquid Effect	Creating curved fills with Liquid Effect
	Florentine Effect	Creating curved fills with Florentine Effect
	Contour Stitch	Creating Contour fills
 Motifs	Motif Fill	Creating motif fills
	Motif Run	Creating motif runs
	Create Motif	Managing motifs
	Use Motif	Working with single motifs
	3D Warp	Applying 3D effects to motif fills
Decoration		

Element	Feature	Reference
 Bling	Create Bling	Bling Digitizing
	Bling Lettering	Creating bling lettering
 Virtual Decoration	Capture Virtual Decoration Bitmap	Virtual decoration with high-res TrueView
 Sequin	Advanced Sequin	Sequin Digitizing
	Sequin Fill	Creating sequin fills
	Twin Sequin	Setting up twin-sequin designs
 Alphabet Creator	Create Letter	Creating custom alphabets
	Convert TrueType Font	Converting TrueType fonts to embroidery alphabets
 Chenille		See Chenille Supplement
 Schiffli		See Schiffli Supplement

New alphabet inclusions

Wilcom **EmbroideryStudio** e3.0 includes new professionally digitized alphabets. These include:

Alphabet	Sample
Bling alphabets	
Bling Block	
Bling Hollow	
Bling Script	
Logo alphabets	
Museo	

Alphabet	Sample
Adelle	ABCDEF abcdef 0123456789
Market	<i>ABCDEF abcdef</i> <i>0123456789</i>
Fancy alphabets	
Tusj	ABCDEF abcdef 0123456789
Run stitch alphabets	
Run Cardigan	<i>ABCDEF abcdef</i> <i>0123456789</i>
Run Freehand	<i>ABCDEF abcdef</i> <i>0123456789</i>
Run Liberty	<i>ABCDEF abcdef</i> <i>0123456789</i>
Run Murray Hill	<i>ABCDEF abcdef</i> <i>0123456789</i>
Cyrillic alphabets	
Russian Textbook	АБЦДЕФ абцдеф 0123456789

Alphabet**Sample**

Jikharev

АБЦДЕФ абуџеф
0123456789



Note Six new Japanese alphabets (3000 characters each) are available for download from www.wilcom.com for customers who wish to access them.

Virtual embroidery design options

To obtain the precise results you want from virtual embroidery, you have a choice of creation methods.



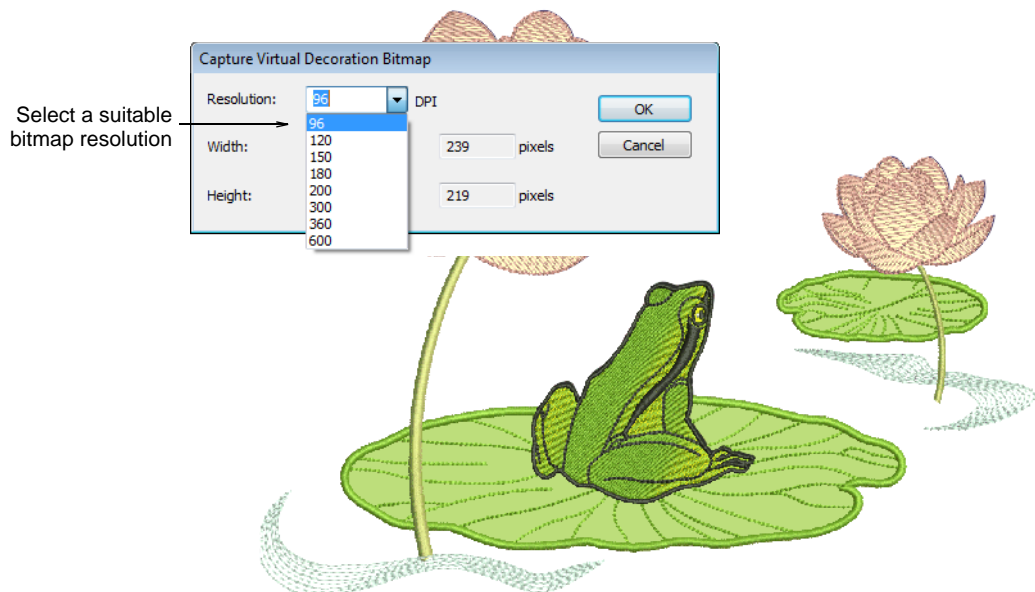
Note Image quality for printing does not need to match printer DPI to produce good output. For general purposes such as printing on T shirts, good results can be obtained within a range of 120 to 300 DPI. Higher resolutions are suitable for printing on paper or photographic paper.

Embroidery-only virtual decoration

If you only require the embroidery portion of a design to be output as a virtual decoration, the process is a simple one.

To create an embroidery-only virtual decoration

- 1 Open your EMB design and select **File > Capture Virtual Decoration Bitmap**.



- 2 Select a suitable bitmap resolution – e.g. 300 DPI.
- 3 Click **OK** to save a PNG file of the design.

Only the embroidery portion of the design is output to PNG file. The image produced is always in **TrueView** even if the **TrueView** setting is off. This file can now be printed to garment.



Combined embroidery and graphic virtual decoration

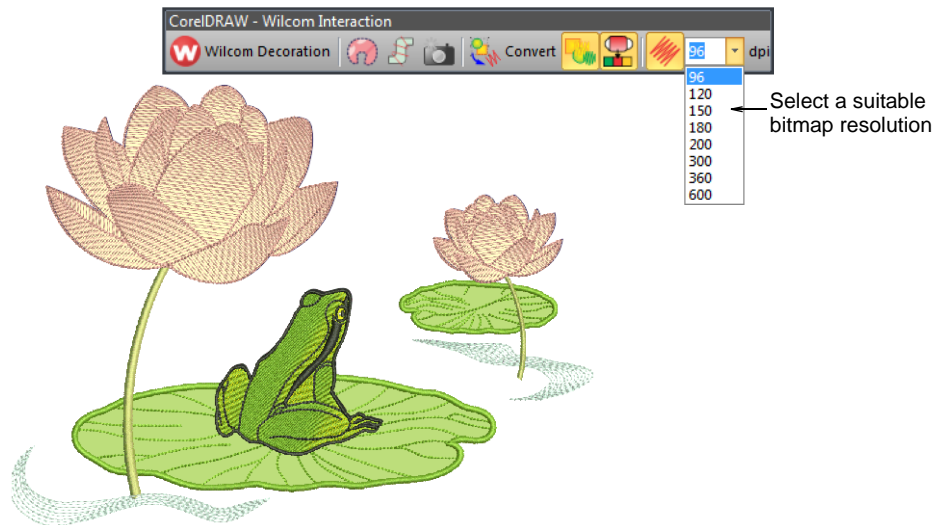
To produce a combined embroidery plus graphics as a printable virtual decoration, use the following procedure.



Tip Don't use the **Export Multi-Decoration File** command for this scenario as it doesn't handle virtual embroidery as a print.

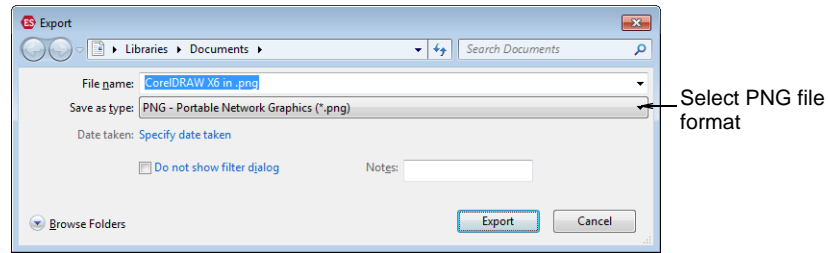
To create an embroidery + graphic virtual decoration

- 1 Open your EMB design and switch to CorelDRAW® Graphics Suite.

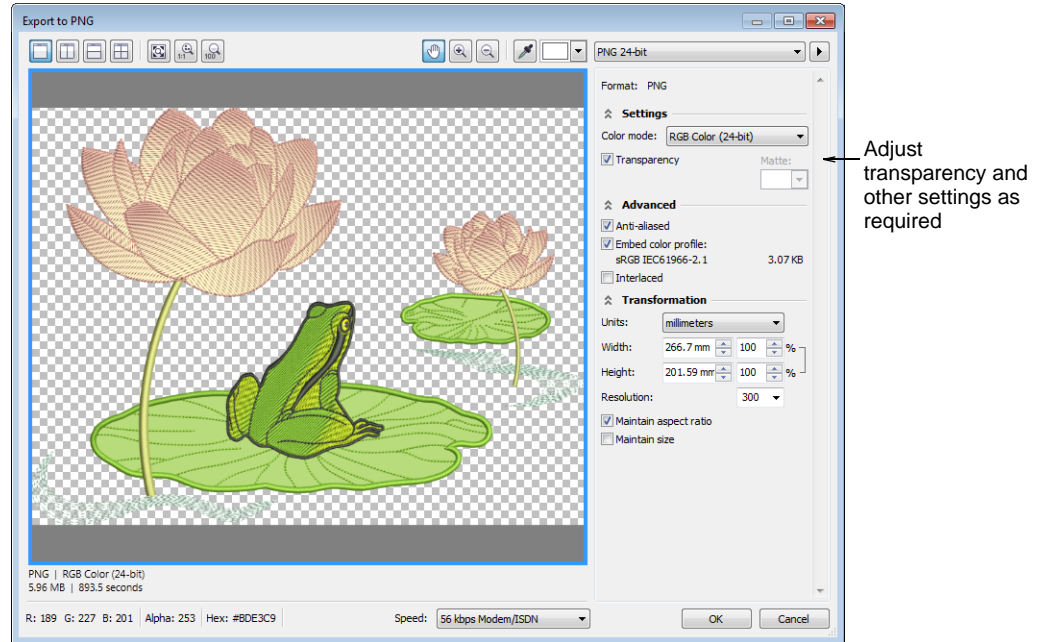


- 2 Select a suitable bitmap resolution – e.g. 300 DPI.
This setting determines to what level of detail the **TrueView** image will be rendered.

3 Select **File > Export > PNG**.



4 Click **OK**.
The **Export to PNG** dialog opens.



5 Adjust transparency, anti-aliasing, and DPI settings as required.



Note The DPI setting in this dialog does not affect the DPI resolution of the **TrueView** rendering. It only affects the DPI of the actual output file.

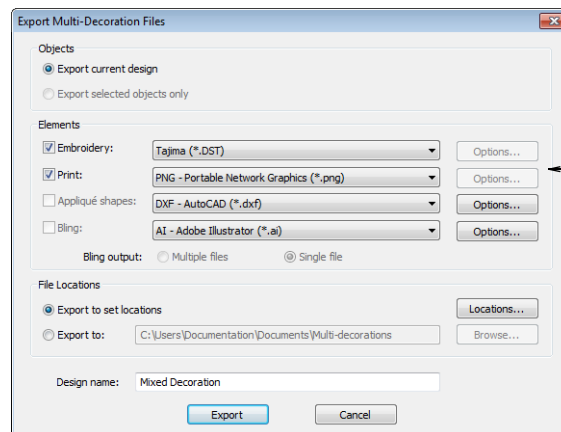
6 Click **OK** to export.

Actual embroidery plus print

To produce a design as a real embroidery plus print, you have two options.

Option 1: Export both files together

- ◀ Select the **File > Export Multi-Decoration Files** command.

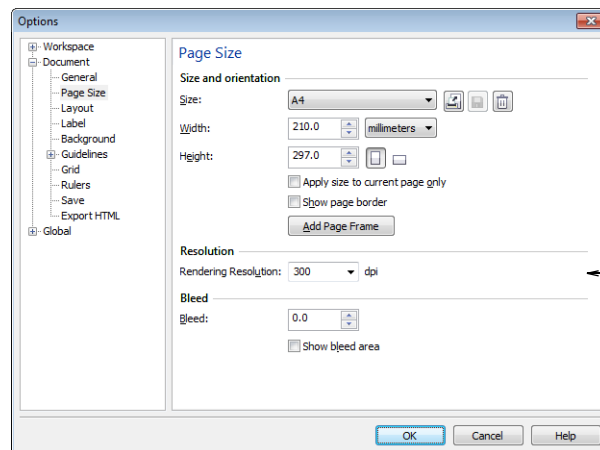


Select embroidery and print file formats to export

- ◀ Split out the embroidery production and graphics print files and select the formats to export – e.g. DST and PNG.



Note If you choose PNG here, it defaults to the CoreIDRAW default setting of 300 DPI. This can be changed via the CoreIDRAW **Options** dialog.



Change bitmap file export resolution as required

Option 2: Export files separately

- ◀ To obtain the embroidery production file, select **File > Save As** from Wilcom screen and choose a suitable machine file format – e.g. DST.
- ◀ To obtain the graphics production file, switch to CoreIDRAW® Graphics Suite:
 - ◀ Turn embroidery display off.
 - ◀ Select **File > Export > PNG** to export the PNG DTG print file for the graphics only.

System requirements

Before you install, or if you experience operating problems of any sort, make sure that your computer meets the system requirements.

PC requirements

Check that your PC meets the system requirements required of **EmbroideryStudio**. Check CPU/RAM as well as hard disk space. The table below provides minimum and recommended system requirements.

Item	Minimum	Recommended
CPU	Intel® Pentium® 4, AMD Athlon™ 64 or AMD Opteron™	2 GHz + Latest Intel or AMD 32-bit (x86) or 64-bit (x64) multi core processor
Operating system ‡	Windows® XP SP3 (32-bit)	Microsoft® Windows® 7 or 8 with latest service packs installed (32-bit or 64-bit editions)
Browser	I.E. 7.0 or later	I.E. 7.0 or later
Internet connection	Required for product registration and access to software updates. For latest operating system information, visit the Wilcom Support Center at www.wilcom.com.au/support .	
Memory	1GB	2GB (more if running multiple apps)
Hard disk size	40GB	80GB or more
Free disk space †	At least 10GB after installation	20GB after installation
Graphics card	Support for Highest Color (32bit) and resolution (1024 X 768)	Support for DirectX 9 graphics with: <ul style="list-style-type: none">• WDDM driver• 512MB or higher of graphics memory (non-integrated)• Pixel Shader 2.0 in hardware• 32 bits per pixel• Dual monitor capable
Monitor ¥	17" at 1280 x 800	Dual monitors capable of displaying 1280 X 1024 or higher. Maximum native resolution suggested by Windows (Vista, Win7 or 8).
Scanner, printer and plotter	Windows-compatible (any connection method – e.g. parallel, USB)	
USB ports	Dedicated USB port for a USB dongle	
Data drives	<ul style="list-style-type: none">• DVD-ROM drive for software installation• Dual layer DVD-ROM for extras DVD	Backup device – e.g. CD/DVD burner, tape backup, removable hard drive
Sound card	Required for multimedia training	

Supported operating systems ‡

- ◀ Although Windows XP (32bit) is supported, Wilcom highly recommends that you consider updating to Windows 7 or Windows 8.
- ◀ For latest operating system information, visit the Wilcom Support Center at www.wilcom.com.au/support.

Free hard disk space †

EmbroideryStudio occupies up to 1Gb of hard disk space, depending on the options installed.

Screen resolution ¥

Some controls may be hidden on the user interface if you run your monitor at low resolutions. The physical size of your monitor will have a bearing on the optimum screen resolution.

Known limitations in EmbroideryStudio

The following are known limitations in **EmbroideryStudio**.

PCX bitmap support discontinued

PCX file format is an old Paint format. The maintenance of this format in has become problematic. Support for it has been discontinued in Wilcom **EmbroideryStudio** e3.0. However, CorelDRAW® Graphics Suite continues to support PCX file format.

Bitmap placement in Wilcom Decoration

In **CorelDRAW Graphics** mode, bitmaps can be placed above vector objects by changing layers. However, when switching to **Wilcom Decoration** mode this position is lost. Bitmaps go to the bottom layer automatically. This is because in **Wilcom Decoration**, bitmaps always stay in the background.

Color shading in vector objects

Color shading in vector objects can't be displayed in **Wilcom Decoration** mode but when switching back to **CorelDRAW Graphics**, the effect is still there. However, if the color shading object is locked in **Wilcom Decoration** mode, the effect is lost even when switching back to **CorelDRAW Graphics**.

Slanted zigzag underlay

When using extremely small angles for slanted underlays, they can extend outside the boundaries of the created objects.

Copying vector objects from CorelDRAW to Wilcom

When copying vector objects from **CorelDRAW Graphics** to **Wilcom Decoration** via **Copy & Paste**, they are scaled down. They are, however, copied at the correct size in the other direction.

Conversion of CorelDRAW® Graphics Suite Contour effect

When creating a CorelDRAW® Graphics Suite object with **Contour** effect applied, an error may occur following a **Break Apart** operation. Any such object which is **not** broken apart can be converted directly to embroidery **Run** stitch similar to the **Offset** tool in Embroidery Mode. This means you don't have to break apart contoured objects in order to generate embroidery run objects. If, however, a contoured object is broken apart and converted to embroidery, the system may produce unexpected results. While most object types can be broken apart and converted, circles and ellipses may cause problems. The work-around is as follows:

To convert circles and ellipses to embroidery

- 1 Select the contoured object to be broken apart.
- 2 Right-click and choose **Break Contour Group Apart**.
This will result in two objects – the original shape/curve and a group of contours/offsets.
- 3 Select the object group, right-click, and choose **Ungroup All**.
These shapes/curves can now be converted to embroidery.



Note CorelDRAW® Graphics Suite **Contour** is not to be confused with Wilcom **EmbroideryStudio** e3.0 **Contour Stitch** effect.

Jagged Edge with Fusion Fill

When you regenerate stitches for some Fusion Fill objects with Jagged Edge applied to one side, the effect may be reversed and applied to the opposite side.

While this is unexpected behavior, it is not technically a defect. When a Fusion Fill object created in ES 9 is re-stitched in e3.0, it is stitched with a new algorithm that includes improved travel runs. A consequence of this is that the side that includes the Jagged Edge effect may swap when converting Complex Fill to Fusion Fill. Note that this problem does not occur with all Fusion Fill objects.

Editing 'ignored' functions

The **Edit Function** dialog does not allow you to change the value of an 'ignored' function.

Inbro machine does not stop at a Stop Code

By default, Inbro machines automatically change needles without stopping on a Stop code. This causes a problem for stops that are not color changes – e.g. at the frame-out point of an auto-appliqué object. The Inbro format does not support needle addressing; like Tajima, it has a single Stop code for both stops and color changes. However, unlike the Tajima machine, Inbro will not stop even if the machine operator has set the stop sequence to have two consecutive stops using the same needle. On the Inbro Operating Box, you can set a number of stitching parameters – e.g. Jumps for Trim, Max Speed, etc. One of these parameters is Stop Code ON/OFF. By default, this is OFF. You must turn it ON for the machine to stop at Stop codes.

Barudan FDR-II Chenille Combination limitations

- ◀ The **Compact Palette** tool on the **Color** toolbar is always disabled when using the Barudan FDR-II Chenille Combination machine format.
- ◀ **Define Stop Sequence** is disabled when opening Barudan FDR-II Chenille Combination designs.

Size limitation when saving JEF format

You should always auto-center a design before saving to JEF format. The horizontal and vertical extents must be no greater than 70mm or 100mm respectively from the center of the design. Anything greater than this would not fit within any of the hoops supported by JEF V1.0. The biggest hoop size is 'Hoop B (140x200)'.