

3D DIGITIZING

Features & Benefits

Version 1.2; 18 April 2005

Create beautiful embroideries from your favorite pictures. Work with images from your scanner or digital camera, use clip-art or create your own pictures with the built-in Drawing tools, Text and MiniPics. The stitches appear as you create the design – it's all so easy with 3D Digitizing.

Use the QuickStitch™ and QuickTrace features to create an embroidery with just a few clicks, or the FreeHand functions for complete control. Use your embroidery machine stitches to create Motif Lines or Fill Areas, or create your own Fill Patterns.

With three windows, one for altering the Picture, one for Creating stitches and one for Editing your design, you can always focus on the current task.

COMMON FEATURES

- ✓ **Experience 3D reality.** Edit, create and display all designs in true 3D, with ability to zoom in, out, to fit, or real size. There is a textured background for realistic view in most modules (excludes 3D Design Splitter), and you can alter the background color as you please.
- ✓ **Select your favorite colors.** Choose from 19 thread manufacturers and more than 150 thread ranges – over 11,000 threads! Ackerman (Isacord, Isafill, Isalon, Isamet, Yenmet), Arc, Brother, Coats, DMC, Gutermann-Dekor, Janome, Kingstar/Fujix, Madeira, Marathon, Mettler, Radiante, Robison-Anton, Signature, Solar Active, Sulky, Superior, Tire, Yli. You may also design your personal MyThreads palette and even add your own unique threads or those from new manufacturers, including specialty threads.
- ✓ **View specialty threads never seen on the computer before.** Specialty threads are shown on the computer including metallic, multi-color and varying thicknesses. Multi-color threads include variegated and twisted. 11 thread materials; Cotton, Cotton Mercerized, Fluorescent, Metallic, Metallic Holographic, Metallic Sliver, Metallic Sparkle, Polyester, Rayon, Silk, Wool. 9 thread weights; 12, 18, 25, 30, 35, 40, 50, 60, 80.
- ✓ **Print designs in 3D.** Print designs in 3D realistic thread colors, with their color information, dimensions, technical info and notes. Use the Design Worksheet as a sewing guide and as a template for placing embroideries on garments.
- ✓ **Multi-format.** See thumbnail images of your embroidery files from any drive or folder (excludes 3D PictureStitch). Load and save in all major embroidery file formats¹. Drag and drop embroidery files from Window® Explorer into most modules.
- ✓ **All Modules are fully integrated.** Start all software modules from the integrated QuickLink toolbar.

- ✓ **'Send To' makes it simple.** Two Send To options are included in all modules; the quick and easy way to send an embroidery to your machine.
- ✓ **Modern look and feel.** The 3D Embroidery System uses the features that will be familiar from Microsoft® Office™ XP. Customize the screen. Set your screen background and grid to any color in the 16-million Windows color palette; alter grid size, too. Move icons between toolbars.
- ✓ **Help is always at hand.** Printed User's Guide and Quick Reference Guides are provided for most modules, together with PDF Reference Guides and extensive program help as well as interactive tutorials.
- ✓ **Smart Update gives you the latest system.** With the click of a button, you can run the System Check to see if any new Fonts, thread tables or any other updates have been released.

CREATE THE PERFECT PICTURE

- ✓ **Drawing Tools and Lettering.** Draw Lines, Squares or Rectangles, Circles or Ellipses in any color with varying line thickness, foreground and background colors. Add text using any TrueType® or OpenType® font on your computer. Load MiniPics to build up a Picture in the Image Window. 45 MiniPics in two sizes are included with your 3D Digitizing. All functions are shared with 3D PictureStitch.
- ✓ **Edit Images.** Crop and remove pieces from the picture, for example the background. Enlarge, reduce, copy, cut, or paste all or parts of your design. Rotate part or all of the picture to any degree. Mirror from side to side or end to end.
- ✓ **Improve Images.** Scanned pictures often have slight blemishes. With the Filters, improve such pictures to make a clean image for the QuickStitch features. The Despeckle filter removes color areas that have only few pixels. Expander thickens lines to make them more suitable for the Trace features. The outline filter separates color areas, which can then be changed to different colors. The Grayscale filter changes the picture to shades of gray.
- ✓ **Create interesting Effects.** Use the picture retouching options such as the Monochrome Effect to change selected areas or whole images to solid black and white, then alter colors as desired. Other Effects include Brightness, Contrast, Posterize, Saturation and Sharpen.
- ✓ **Color Tolerance.** Fill, Border or trace across shaded or varied color areas. Select parts of an image for filling or tracing according to how similar they are to the chosen color. Color Tolerance is available for all the QuickStitch™ Fill, Border and QuickTrace functions.

TRANSFORM THE PICTURE INTO STITCHES WITH QUICKSTITCH™ FEATURES

- ✓ **QuickStitch™ Fill with Holes.** Click in an area of the picture and the stitches appear with your choice of pattern, including underlay if desired. The program automatically recognizes up to nine 'holes' within the area and no stitching will be placed in the holes. Include a satin stitch border if you wish, and set the angle of stitching to any degree. Choose from stitch density 2 to 15. If you prefer to insert holes where you choose, use the QuickStitch™ Fill with Border and QuickStitch™ Hole features. Click in stippled or shaded color areas as well as solid areas using Color

Tolerance. A QuickStitch™ Tie-Off Up is placed automatically after every QuickStitch™ Fill Area.

- ✓ **QuickStitch™ Running, Double, Triple Stitch.** Click in an area to outline it automatically with running, double or triple stitch. Use for stabilizing, markouts and quilting designs; choose from 1 to 6 mm length.
- ✓ **QuickStitch™ Motif Line.** For the fancy touch, you can choose any of your machine stitches to create a Motif Line in running or triple stitch. Adjust the Height and Width of the Motifs separately or proportionally, as well as the Gap between them. Fit to Line option adjusts the Motifs to follow a path exactly. Over 450 motifs are included!
- ✓ **QuickStitch™ Border.** Click in an area to create a satin border with any combination of straight lines and curves automatically; select 1 to 12 mm for the border width.
- ✓ **QuickStitch™ Appliqué.** Click in an area to create an appliqué automatically. The feature makes an outline of Double stitch to secure the appliqué fabric, followed by a Stop command so fabric can be trimmed away, finishing with a Satin Border.
- ✓ **QuickStitch™ Tie-Off.** Choose from 9 tie-offs without having to place the points; Figure of 4, Left, Right, Up, Down, Upper Left, Upper Right, Lower Left, Lower Right.

AMAZING FILL PATTERNS AND TECHNIQUES

- ✓ **Create your own Fill Patterns.** Add a new fill pattern from any Windows .bmp picture. The picture is automatically changed to monochrome and used to make a new MyFill pattern.
- ✓ **Embossed Fill Patterns.** Draw accents on your picture that are used to place stitch points within a fill area, for instance the veins on a leaf, or emboss using a MiniPic clip-art sample. You can choose shorter stitches for a fainter pattern or longer stitches to emphasize the image.
- ✓ **Motif Fill areas using your machine stitches.** Choose any of your machine stitches to create a Motif Fill Area in running or triple stitch. Adjust the Height or Width of the Motifs separately or proportionally, as well as the Gap between them. Set the Motifs to any angle, too. Two alternating patterns can be used! Over 450 motifs are included!
- ✓ **Gradient Density.** Use gradient density to alter density gradually from 2 to 15 across a fill area, producing beautiful shading effects. With multi-gradient density, choose up to 10 different densities within an area.

QUICKTRACE FOLLOWS INTRICATE CONNECTED LINES

- ✓ **QuickTrace features follow a continuous line (Patent)**
- ✓ **QuickTrace Double Trace.** Click on a line and two lines of running stitch are automatically produced following the selected continuous line, for example to outline or mark out a design area. Choose from stitch length 1 to 6 mm in 0.1 mm increments for the individual stitches.
- ✓ **QuickTrace Quadruple Trace.** Create beautiful quilting embroideries with this feature – click on a line and four lines of running stitch are automatically produced following the selected continuous line. Choose from stitch length 1 to 6 mm in 0.1 mm increments for the individual stitches.

- ✓ **Constant-width QuickTrace Satin.** Add intricate Satin Borders with just a few clicks. Click on a continuous line and Satin Borders are automatically produced following the selected line. Set to any width from 1 to 12 mm.

FREEHAND FEATURES PRECISE CONTROL

- ✓ **FreeHand Fill with Holes.** Place points around an area of the picture and the stitches appear with your choice of pattern, including underlay if desired. Include a satin stitch border if you wish, and set the angle of stitching to any degree. Choose from stitch density 2 to 15. Insert holes where you choose within the fill area.
- ✓ **Satin Areas.** Choose satin or column fill rings as well as straight, curved, or borders of satin stitch for extra creativity. Turn satin columns into one of 12 fill patterns with simple on-screen editing.
- ✓ **Feathered Satin.** Texture both edges of a satin stitch for special embroidery effects on fur or flowers. Choose to texture only the top or bottom of the satin stitch.
- ✓ **Single, Running, Double and Triple Stitch.** Add individual stitches from 1 to 12 mm in length and straight or curved lines of running, double and triple stitch from 1 to 6 mm. You can also create a running stitch ring.
- ✓ **Motif Line.** Choose any of your machine stitches to create a Motif Line in running or triple stitch. Adjust the Height or Width of the Motifs separately or proportionally, as well as the Gap between them. Fit to Line option adjusts the Motifs to follow a path exactly. Over 450 motifs are included!

EDITING FEATURES

- ✓ **Select Blocks easily.** Step through designs by using slider bars from beginning or end of design. Choose sections of your design by block, color, polygon or freehand select. Cut, Copy, Paste and Move areas. Resize areas with automatic stitch density adjustment. Mirror design areas Horizontally or Vertically and Rotate to any degree.
- ✓ **Insert Designs.** Import embroidery designs or Design Outline Files (.can) by thumbnail view. Embroidery files are automatically converted to outline format using the Resize technology (Patent)
- ✓ **Import Font Characters.** Insert letters from any of your 3D Embroidery Fonts – you can adjust them if desired or combine them with designs.
- ✓ **Change the properties of objects.** Change any part of a design in the Edit Window. You can change the colors, pattern, density, angle and so on, then click the Create Window to see the results in 3D immediately.
- ✓ **Insert and delete objects and points.** Add and remove new stitch areas, color changes and stops for appliqué or puffy foam designs. Add and remove design outline points in Fill Areas, Borders or Stitch Lines.
- ✓ **View Color Layers and Object Types.** View by selected color layers or view by object type (stitch, satin or fill). Choose to view any combination of colors or object types within the design for ease of editing.
- ✓ **Undo.** Go back 5 steps in Picture, 10 steps in Create or Edit Windows.
- ✓ **Redo.** Redo 10 steps in Picture, one step in Create or Edit Windows.

File types loaded:

Brother/Babylock/Bernina PEC (.pec), Brother/Babylock/Bernina PES (.pes ver. 2-6), Compucon/Singer PSW (.xxx), Husqvarna Viking/Pfaff (.vip, .vp3), Husqvarna (.hus, .shv, .dhv), Janome (.jef, .sew), Melco (.exp), Pfaff (.pcs), Tajima (.dst), and Toyota (.10*)

Note: 3D Digitizing loads the following picture file formats; Windows or OS2 Bitmap (.bmp), JPEG-JFIF Compliant (.jpg, .jif, .jpeg), Tagged Icon (.ico). 3D Organizer and 3D PictureStitch save Window or OS2 Bitmap (.bmp), JPEG-JFIF Compliant (.jpg, .jif, .jpeg), Tagged Image File Format uncompressed (.tiff, .tif).

File types saved:

Brother/Babylock/Bernina PEC (.pec), Brother/Babylock/Bernina PES (.pes ver 5), Compucon/Singer PSW (.xxx), Husqvarna Viking/Pfaff (.vip, .vp3), Husqvarna (.hus), Janome (.jef, .sew), Melco (.exp), Pfaff (.pcs), Tajima (.dst) and Toyota (.10*)

3D Digitizing loads and saves design outline files (.can).

Drag and drop: Design outline files (.can) into 3D Digitizing.



 **Husqvarna**

VIKING

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