

3D PROFESSIONAL

Features & Benefits

Version 1.2; April 7, 2005

Imagine that there is an embroidery software system that brings the computer into the real world. Now it's here – the realistic way to embroider with the 3D Embroidery System.

3D PROFESSIONAL INCLUDES TEN MODULES:

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|-----------------------|-------------------------|
| 1. 3D Embroidery | 6. 3D Digitizing |
| 2. 3D Organizer | 7. 3D Cross Stitcher |
| 3. 3D Vision | 8. 3D PictureStitch |
| 4. 3D Stitch Editor | 9. 3D Font Digitizing |
| 5. 3D Design Splitter | 10. 3D Fabric Decorator |

There are also three machine accessory modules included; 3D Disk Manager, 3D d-Card Reader/Writer, 3D Reader/Writer.

YOU ARE THE DESIGNER

Create your own embroidery designs with 3D Digitizing, turn photos into embroideries with 3D PictureStitch and create beautiful cross stitch designs with 3D Cross Stitcher. You can even create fonts and shapes with 3D Font Digitizing.

PERSONALIZE YOUR EMBROIDERY PROJECTS

Add stylish monograms from any font on your computer or one of 77 digitized fonts, shapes and adjust embroideries using 3D Embroidery. Resize designs with constant density, too. View your projects on fabric and garment backgrounds, even add appliqués and beads with 3D Vision. Manage all your embroideries with 3D Organizer.

TRANSFORM DESIGNS INTO NEW EMBROIDERIES

Morph designs into something really different, PatternMake™ designs with beautiful stamps, split designs to fit in your preferred hoop size, with 3D Stitch Editor and 3D Design Splitter.

FREE UPGRADES FOR ONE YEAR

For one year after you purchase the 3D Professional System you are entitled to free upgrades. Register your system automatically by Internet to qualify.

BONUS DESIGNS

Included with the 3D Professional are 300 beautiful embroidery designs, including 50 bonus designs from the Husqvarna Viking Collection.

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. Highlight the selected color in your embroidery by hovering over a color in the worksheet (3D Embroidery, 3D Vision, 3D Stitch Editor).
- ✓ **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.

1. 3D EMBROIDERY

- ✓ Explore the endless possibilities with embroidery designs on the computer in all actual thread shades before you sew them on your project.
- ✓ Edit your embroideries and Resize with constant density.
- ✓ Rotate, mirror or combine an unlimited number of designs with several

different shapes or fonts, including any TrueType® or OpenType® font from your computer.

- ✓ See your machine's actual hoops on the computer, in horizontal or vertical orientation.

Designs

- ✓ **Resize embroideries with constant density.** The stitch processor changes the size with changes in stitch count (Patent). Detect and maintain patterns automatically when resizing your embroideries. Alternatively, scale without changing the number of stitches.
- ✓ **Rotate designs to any degree;** simply click and drag to change the center of rotation.
- ✓ **Mirror** from side to side or end to end.
- ✓ **Move the selected embroidery** using click and drag or nudge with the arrow keys.
- ✓ **Intelligent ColorSort** reduces the number of thread changes.
- ✓ **Unlimited Undo and Redo**
- ✓ **Full Plus Hoop and Mega Hoop Support.** Load design in correct position; automatically split lettering and groups of designs into three positions.
- ✓ **Notepad records details about a design.** Store thread shades and notes in your .vp3 and .vip format designs. Search for keywords in design name or notes to find designs.
- ✓ **Launch the program by double-clicking on an embroidery file.**
- ✓ **Drag and Drop** as many stitch files as desired from Window® Explorer.
- ✓ **Center Design.** Moves the start and end stitches to the center of the stitch file.

Monogramming

- ✓ **Create your own embroidery fonts from TrueType® and OpenType® fonts on your computer** using the QuickFont Wizard (Patent). You have six stitch types to choose from; Satin, Fill, Fill + Satin Border, Satin Border, Appliqué, and Outline with Running, Double or Triple Stitch. Underlay options for Satin and Fill ensure precise stitching.
- ✓ **77 pre-digitized System Fonts** are designed especially for embroidery. Eight different categories provided; Decorative, Fun, Modern, MultiColor, Nearest Point, Script, Special, Traditional.
- ✓ **Machine or Motif Stitches.** Over 300 machine stitches may be used as special font characters. Also includes a beautiful font of motifs for candlewicking designs.
- ✓ **Line Types.** Lettering is so flexible it can be placed in 21 different 'envelope shapes'; Line Horizontal, Line Vertical, Circle Clockwise, Circle CounterClockwise, 2-line Circle, Double Arch, Diamond, Bridge (Convex curve down, Concave curve down, Convex curve up, Concave curve up), Arch (Over and Under), Fit to Any Shape, Pennant (Right and Left), Fish, Cinema, Italic, Fit to Line/Curve.
- ✓ **Reverse text.** Reverse lettering with the click of a button. Create letters at any angle to a line or curve also (step text feature).
- ✓ **Multi-Color Lettering.** Stylish multi-color monograms are easy with the special Multi-Color Fonts.
- ✓ **Automatic Kerning.** Accurately determine the best spacing between letters and position them with precision.

- ✓ **Nearest Point Joining.** Letters are connected at the closest point for faster stitching. No need to trim between letters, so you can work quickly and efficiently.
- ✓ **Over 350 Special Shapes.** Banners 1, Borders 1&2, Buttonholes 1&2, Cartoons 1, Corners 1&2, Flowers 1, Frames 1,2,3, Home 1, Music 1&2, Scallop 1, Shapes 1&2, Sport Symbols 1, Stars 1, Wreath 1.
- ✓ **Stitch Types.** Change satin and fill options, such as patterns and density on your predigitized System fonts and shapes as well as QuickFonts. Choose from 108 different Fill Patterns and 12 Satin Patterns.

Editing

- ✓ **Alter part of an embroidery using the easy editing features.**
- ✓ **Manage colors.** Move colors up or down and merge color blocks. Add a color change, too.
- ✓ **Select Stitches.** Step through designs by using slider bars from beginning or end of design (mimics the stitching of the machine). Choose stitches by block, polygon or freehand select to work with specific stitches. Display only the desired colors with a simple click of the mouse to turn the color off or on.
- ✓ **Rotate Mirror, Scale and Resize.** Change a block of stitches by rotating to any degree. Simply click and drag to change the center of rotation. Mirror side to side or end to end. Scale proportionally or stretching the height or width, or Resize with constant density.
- ✓ **Cut, Copy, Paste.** Cut or copy sections of a design to create a new embroidery. Use the handy clipboard to remind you of the block available, then paste it into another design.
- ✓ **Move, Insert, Remove.** Choose any stitch to manipulate, or add stitches to your design. Delete stitches if desired.

2. 3D ORGANIZER

- ✓ **Find your designs and pictures easily.** Browse your embroideries and pictures in zip files, folders or via Search. Choose from 5 sizes of thumbnail image to display your designs best, or view at real size.
- ✓ **Sort** by Name, Size, Stitch Count, Number of Colors, Date Modified and so on.
- ✓ **Print a 3D design worksheet or catalog;** place 4, 8 or 32 on each A4/letter size page. A Table of Contents is automatically created to look up your embroideries.
- ✓ **Convert embroideries** between all major formats; convert embroideries from .zip files too! Select multiple designs and formats at once for batch conversion. Even change embroideries to show threads from your desired thread manufacturer.
- ✓ **Convert designs to images;** thumbnail or real size. Convert images, too. Simply click to make your favorite design into desktop wallpaper for your computer.
- ✓ **Create a personal HTML catalog of your designs.** With just a few clicks, you can create a gallery of your selected embroideries. Make thumbnail images and large-scale 'close-up' pages for your designs. Choose from 150 styles for your personal website of designs.

3. 3D VISION

- ✓ **View embroideries on real fabrics and garments.** Over 100 fabric backgrounds and over 300 garment backgrounds included. Use a Wizard to add your own real-size backgrounds.
- ✓ **Adjust your embroidery.** Change colors, copy and paste, mirror, rotate and move using click and drag or nudge with the arrow keys.
- ✓ **View decorations on your embroidery;** appliqué fabrics, beads and sequins.
- ✓ **700 bead images included;** Bugle (Plain and Twisted four orientations), Crystal, Nailhead, Pearl, Seed (four orientations), Sequins (Cup, Flat, Flower, Heart, Snowflake, Star).
- ✓ **Print in 3D on your background** as a real-size template or zoom to fit; save picture of your embroidery and background
- ✓ **See threads change colors!** With the glow mode, Solar Active and Glow in the Dark threads are actually alter on the computer screen.

4. 3D STITCH EDITOR

Adjust your designs to create new embroideries! Work with sections of designs or whole designs, resize designs with constant density, split designs to fit in your preferred hoop size, Morph and PatternMake™ designs, and so much more.

TRANSFORM YOUR EMBROIDERIES

- ✓ **Morph designs into something really different.** Use the fantastic point and global morphing effects to transform your designs. Global Morphing Effects apply to all visible stitches; Pinch, Ripple, Skew Horizontal or Vertical, Spherize, Twirl, Wave Horizontal or Vertical. Point Morphing Effects affect the area where you click; Magnet, Polarize, Twirl, Wave. The only limit is your imagination when you enter the world of morphing.
- ✓ **Add beautiful patterns to your embroideries.** Turn a flat embroidered leaf into a three dimensional masterpiece by inserting needle points along a line or curve to create beautiful veins. PatternMake™ with your choice of over 200 stamps as a single stamp, along a line or over a large area of your design (Patent). Two sizes are available for each stamp, too. Change the angle of the stamp as desired and preview the results in a helpful display box. Automatically remove needle points to create a blank canvas for your new patterns. Stamp Categories; Climate, Games, Miscellaneous 1-4, Monogram 1, Monogram 2, People, Plants.
- ✓ **Frame your embroidery with a satin border.** Add a Rectangle, Ellipse or Polygon-shaped Satin stitch border to any design (border width 1-12mm). Automatically crop the rest of the embroidery outside the border.

RESIZE AND ADJUST DENSITY

- ✓ **Resize designs.** Alter the size of your designs without affecting their density. The stitch processor changes the size with changes in stitch count (Patent). Detect and maintain patterns automatically when resizing your

embroideries. 3D Stitch Editor will change satin stitches into fill if they would be too long when you increase the size of your design. Adjust density settings and set maximum and minimum for single stitches to your preferred length.

- ✓ **Density Adviser.** Check the density on any embroidery or part of an embroidery. Visual 'hot spots' make it easy to detect and reduce the number of stitches in problem areas.

VIEW AND SELECT AREAS, THEN ADJUST

- ✓ **Select Stitches.** Step through designs by using slider bars from beginning or end of design. Choose stitches by block, color, polygon or freehand select to work with specific stitches. Display only the desired colors with a simple click of the mouse to turn the color off or on. Set the needle penetration points on to see the points where the needle will penetrate the fabric.
- ✓ **Draw slowly in 3D.** Set the visible stitches to draw slowly in 3D and see exactly how your embroidery will be stitched.
- ✓ **Manage colors.** Rearrange color blocks in your designs with the Color Block Configuration window. Move colors up or down, merge color blocks and reduce the number of thread changes in your design with the intelligent ColorSort feature.
- ✓ **Split designs.** Split larger designs for use in smaller hoops using the Design Splitter feature. Decide where you want the cut with a polygon select tool, then the design is instantly split into two. Color blocks are maintained so both halves of the design look the same, and jump stitches are minimized.
- ✓ **Rotate, Mirror, Scale.** Change a block of stitches by rotating to any degree. Simply click and drag to change the center of rotation. Mirror side to side or end to end. Scale proportionally or stretching the height or width as an alternative to Resize.
- ✓ **Move, Insert, Remove.** Choose any stitch to manipulate, or add stitches to your design. Move the selected embroidery using click and drag or nudge with the arrow keys.

TECHNICAL CHANGES

- ✓ **Automatic Center.** Click a button to center any design.
- ✓ **Co-ordinates.** Switch between absolute and relative co-ordinates to see the precise placement of stitches or commands within the design.
- ✓ **Add/Delete Embroidery Commands.** Add or delete color changes, stops or trim commands.
- ✓ **Break up Stitches.** For long stitches or scaled designs, break up stitches into smaller lengths.
- ✓ **Compensation.** Make a whole design or areas within it 'bolder' by increasing their relative size. This allows for the effects of stitches' tendency to pull in, which varies according to fabric weight and type.

5. 3D DESIGN SPLITTER

- ✓ The unique Design Splitter utility program allows you to cut up large designs especially for use in the Husqvarna Viking Plus Hoop for Rose and #1+/Orchidea embroidery machines.
- ✓ Simply load a design, move it to the position you want using click and drag or nudge with the arrow keys and it can be cut automatically. Or place a straight or polygon cut line wherever you prefer, to split patterns or color blocks as you wish.
- ✓ After splitting, the designs are saved automatically.

6. 3D DIGITIZING

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.

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 many 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 many 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.

7. 3D CROSS STITCHER

Create unique cross stitch designs and lettering on the computer. Work with images from your scanner or digital camera, use clip-art or create your own pictures with the built-in Drawing Tools. Use the pictures as templates or let the Cross Stitcher Wizard create the design for you automatically. Add a monogram for a personal touch.

COMMON FEATURES

- ✓ **Create your own cross stitch patterns.** Design beautiful cross stitch embroideries with the quality of hand-stitching, and the speed of a machine. Design traditional motifs on the screen or the Cross Stitcher Wizard will create them for you automatically. Add a monogram for a personal touch.
- ✓ **From the computer to the fabric.** Scan in your images, use photos taken with a digital camera or clip-art. Use the pictures as templates or let the Cross Stitcher Wizard create the design for you automatically. Set the hoop and cross size, choose the desired thread database and the number of colors. With just a few clicks you have a unique cross stitch embroidery.
- ✓ **Traditional and modern stitches.** Choose from full, half, quarter, mini and half-height or half-width crosses. Use fixed or free backstitch to outline your embroidery, and French knots for the perfect accent. Set cross stitch sizes from 1 to 20 mm in length. Adjust the number of threads between 2 and 12 to simulate varying numbers of embroidery floss strands for crosses and outlines. Create petit point, needlepoint and traditional Bargello, Gobelin, Rice Stitch, Assisi or Blackwork designs.
- ✓ **Designs come to life.** Choose between block, 2D and 3D display. Even see your cross stitch embroideries as they will be sewn on Aida fabric, according to the background color chosen in 3D Configure.
- ✓ **Draw shapes with crosses, outlines and fill patterns.** Choose from 9 automatic shapes to create your designs; Rectangle, Angled Square, Ellipse, Arc, Triangle, Pentagon, Hexagon, Octagon and Polygon. There are five options for drawing the shapes; Backstitch Outline, Cross-filled Backstitch, Cross Outline, Cross-filled Cross Outline, Cross-filled. The three Cross-filled shape options may be replaced by fill patterns.

- ✓ **Special cross stitch and blackwork fill patterns included.** Create your own fill patterns, too.
- ✓ **Elegant Cross Stitch Lettering.** Personalize table-cloths, napkins, towels and bedclothes with classic cross stitch text. Use custom-made backstitch and cross-stitch fonts including Multi-color fonts. Alternatively, select any TrueType® or OpenType® font on your computer. Choose bold or italic options and any letter size for complete freedom while creating. Options include crosses, crosses with Backstitch outline or outline only. Smooth text automatically, too. You can even create text using the beautiful fill patterns!
- ✓ **Adapt your art.** Cut copy and paste sections of your Cross Stitch Design Files. Mirror areas or whole designs horizontally and vertically or rotate 90 degrees. Automatically reflect your design up to eight times with the amazing Multiply feature. With multiple Undo and Redo capabilities, editing your design is easy.

Note: thread colors are similar to the rest of the 3D Embroidery System, however certain specialty effects are not displayed. The first color for each variegated color is shown.

8. 3D PICTURE STITCH

Embroider unique greeting cards, family quilts, framed portraits and much more using photos from your own family albums. After scanning a photo on your computer or using a digital camera, with a few clicks you can turn pictures into attractive designs to stitch out on your embroidery machine. Choose from six Monochrome Modes for a single-color effect, or three Color Modes to create a full-color embroidery with only four threads!

EDIT YOUR PHOTO

- ✓ **Create perfect embroidery images with the picture retouching options.** Adjust the contrast, brightness and sharpness to perfection, with a Preview Window to show the changes while you are working.
- ✓ **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.
- ✓ **Add to the Picture.** Draw Lines, Squares or Rectangles, Circles or Ellipses. Add text using any TrueType® or OpenType® font on your computer.
- ✓ **Improve the Picture.** Scanned pictures often have slight blemishes. With the Filters, improve such pictures. The Despeckle filter removes color areas that have only a few pixels. All functions are shared with 3D Digitizing.

CHOOSE YOUR PICTURE STITCH MODE

- ✓ **Three Color Modes.** 4-color creates a full-color embroidery with only four threads. Try the 4-color Sepia for a heritage tone or 4-color Custom to use any threads you like!
- ✓ **Six Monochrome Modes.** With Monochrome Mode, the picture is created using a single thread. You can vary the stitch pattern between Linear, Spiral and four different Maze effects. Choose the color before creating stitches to see the 3D lifelike result.

ADJUST YOUR STITCH FILE

- ✓ **Angle.** Set the angle of stitches as you wish (excludes Spiral Monochrome).
- ✓ **Scan Depth.** This setting allows you to alter the amount of detail shown in the design.
- ✓ **Thread Contrast.** Change the range of shading within the embroidery for each color used.
- ✓ **Density.** Adjust density depending on the fabric and machine.
- ✓ **Frame your embroidery with a satin border.** Add a Rectangle or Ellipse border to any design (border width 1-12mm). Automatically crop the rest of the embroidery outside the border.

9. 3D FONT DIGITIZING

- ✓ **Create your own Fonts and Shapes to use in the 3D Embroidery System.** 77 Fonts and over 300 Shapes are supplied with 3D Embroidery. But you want complete freedom to design your own lettering; so we present 3D Font Digitizing!
- ✓ **Make Multi-Color and Multi-Pattern Fonts.** QuickFont makes Fonts with Uniform Properties – one color or pattern per alphabet. Adjust these to add more than one color per character or a mix of fill patterns.
- ✓ **Use a picture as the background.** Load Pictures automatically from TrueType® or OpenType® font characters, or your own artwork. Then use Freehand Digitizing features to create beautiful letters or shapes.
- ✓ **You have the same feature that we used to design your 3D Embroidery Fonts.** Create flowing Scripts or nearest point Fonts using Fill Areas, Satin Columns and Borders and Running, Double or Triple Stitch Lines.
- ✓ **Copy and Paste Characters.** Use the handy copy and paste feature to save time when creating complex ornamental characters. Create up to 224 characters in each font.
- ✓ **Digitize your own Shapes packs.** Create multi-color and multi-pattern Shapes, too, using your own Pictures as the background. They are mini-Designs that you may choose visually in 3D Embroidery.

10. 3D FABRIC DECORATOR

Create beautiful decorated fabric using your favorite embroidery machine stitches. Create decorated fabric as a full hooping or in appliqué shapes. Decorate using amazing arrangements of motifs. The patterns you can create are unlimited. Create wonderful pieces of heirloom fabric using Wing Needle motifs. Have fun with crazy chenille patches. Design your own motifs, too! Create motifs automatically from your own pictures or edit existing stitches. Use motifs to decorate fabric or for Motif Fill and Motif Line in 3D Digitizing.

EMBELLISH YOUR FABRIC IN JUST A FEW CLICKS

- ✓ **Choose from many of your embroidery machine stitches, motifs supplied or even create your own.** Create wonderful pieces of heirloom fabric using motifs designed for Wing Needle. Use the ChenilleStyle motifs to make crazy chenille patches. With the Fabric Wizard, it only takes a

moment. The patterns you can create are unlimited. Use the embellished fabric as cuffs, collars or panels in garments, for home dec projects and so much more.

- ✓ **Arrange the motifs to decorate your fabric.** Adjust the Height or Width of the Motifs separately or proportionally, as well as the Gap between them. Alter the Offset to create fantastic new arrangements. Choose Running or Triple Stitch, and set the Motifs to any angle, too. Two alternating patterns can be used, and you can reverse direction if desired.
- ✓ **Fill the hoop or make a set size.** Your chosen motifs can fill your embroidery machine hoop, or you can create fabric in a set size or shape. Choose from 14 shapes, including Rectangle (or Square), Ellipse (or Circle), Heart, Star, Triangle and Pentagon. Keep the shape proportional, or stretch it to fill your hoop.
- ✓ **Create decorated fabric as a patch or appliqué.** Add a satin border from 1 to 12mm in width, with underlay if desired. Even create your fabric as an appliqué! The feature makes an outline of Double stitch to secure the applique fabric, followed by a Stop command so fabric can be trimmed away, finishing with a Satin Border. (There is also an option to have an initial running stitch, then a Stop for fabric placement.)

CREATE MOTIFS FOR YOUR UNIQUE FABRIC!

- ✓ Create motifs automatically from your own pictures or edit existing embroidery stitches or motifs. You can do it all with your computer – and it's easy!
- ✓ **It's your choice.** After loading your background picture, the choice is yours – either create a Light or Heavy QuickTrace automatically or add stitches by using the QuickTrace and FreeHand Features. The result: a new motif to decorate fabric, or a cool addition to Motif Line or Motif Fill in your 3D Digitizing module.
- ✓ **Choose a picture.** Work with images from your scanner or digital camera or use clip-art. Prepare the picture by changing it to Monochrome and despeckling it automatically to remove spots on scanned images. Crop and remove pieces from the picture and scale or rotate it.
- ✓ **Nine stitch types.** QuickTrace Light or QuickTrace Heavy features follow a continuous line. Click on a line to create a line of Running or Triple Stitches automatically along the lines of your image. (Some areas use double stitch.) For individual stitches choose stitch lengths from 1 mm to 6 mm in 0.1mm increments. (UK Patent Application 0120472.6; US Patent Application 10/226,369)
- ✓ **Satin Areas.** Create Straight or Curved Satin Columns of parallel stitches, and vary the stitch density from 2 to 15. Alternatively, create Fixed Angle Satin with the stitches always at the best angle for sewing. (90 degrees to the direction of sewing).
- ✓ **Candlewicking Stitch.** Create beautiful traditional candlewick knot stitches in star, rectangle or ellipse shapes for the finishing touches to your motif design.
- ✓ **Single Stitch.** Add Single Stitches at the selected stitch.
- ✓ **FreeHand Running and Triple Stitch.** Add straight or curved lines of running or triple stitch from 1 to 6mm.

EDIT STITCHES EASILY

- ✓ **Insert Motifs.** You can edit the existing machine stitches and System motifs or insert them into new motifs.
- ✓ **Select Stitches.** Choose sections of your design by block, polygon, freehand select or Select All. Alternatively, click the first stitch, then Shift + Click the last stitch to select a group of stitches.
- ✓ **Modify Blocks of Stitches.** Cut, Copy, Paste and Move areas of the design. Scale areas. Mirror design areas Horizontally or Vertically and Rotate to any degree.
- ✓ **Undo and Redo.** Undo and redo an unlimited number of steps, dependent only on computer memory.

3D DISK MANAGER

- ✓ Manage designs on floppy disk for the Husqvarna Viking Designer I. Load embroideries in all major formats and send to disk. Use 4 menus of up to 36 designs. Choose from menu sizes of 6, 9, 12, 16, 25 or 36. Save a whole disk to your computer automatically. Catalog print up to 144 stitch files in 2D.

3D D-CARD READER/WRITER

- ✓ Manage designs on d-Cards for the Husqvarna Viking Designer II. Load embroideries in all major formats and send to a Personal d-Card. Use 4 menus of up to 35 designs. Choose from menu sizes of 8, 15, 24, 30 or 35. Save a whole d-Card to your computer automatically. Catalog print up to 35 stitch files in 2D; print a label too.

3D READER/WRITER

- ✓ Manage designs on embroidery cards for the Husqvarna Viking Rose, Iris, #1+/Orchidea. Load embroideries in all major formats and send to a programmable embroidery card. Save a whole embroidery card to your computer automatically. Catalog print up to 35 stitch files in 2D.

* 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*)

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*)

Note: 3D Cross Stitcher, 3D PictureStitch and 3D Fabric Decorator do not load stitches.

Together with 3D Digitizing and 3D Organizer, they load 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). 3D Digitizing

loads and saves design outline files (.can). 3D Cross Stitcher loads and saves cross stitch

design outline files (.krz). 3D Fabric Decorator loads and saves motif design outline files

(.mot)

Drag and drop: Design outline files (.can) into 3D Digitizing; Cross Stitch Design Outline Files

(.krz) into 3D Cross Stitcher; Picture files into 3D PictureStitch; Motif design outline files (.mot)

into 3D Fabric Decorator



 **Husqvarna**

VIKING

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