



# 5D™ Embroidery System – Features & Benefits

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## Common Features & Benefits

- Experience 3D reality:
  - View designs in 3D on your choice of 8 textured fabric backgrounds.
  - Designs are shown in your preferred real-life hoop in most modules
  - Develop large designs or projects, up to 2m width and height
  - Move around the design using the integrated overview window. The Zoom bar makes it easy to magnify or shrink the embroidery view. Shift + Click to pan around the work area.
  - Print designs in 3D.
  - Use a Grid as small as 2mm to align elements and designs.
  
- Select your favorite colors:
  - View specialty threads including metallic, multi-color and varying thicknesses.
  - Change colors with the scrolling realistic color palette (worksheet) with numbered editable color blocks.
  - Choose thread color palettes / themes for project variations eg seasons.
  - Adjust color tone to change brightness and choose new threads automatically.
  - Over 15000 threads; 30 manufacturers.
  - Use the intelligent ColorSort feature in most modules to reduce the number of thread changes when you sew.
  
- Multi-format; load and save most popular embroidery formats.
  - File types: Bernina ART (.art version 1-3), Brother/Babylock/Bernina PEC (.pec), Brother/Babylock/Bernina PES (.pes version 2-8), Compucon/Singer PSW (.xxx), Husqvarna Viking / Pfaff (.vp3, .vip), Husqvarna (.hus), Janome (.jef, .sew), Melco (.exp), Pfaff (.pcs), Tajima (.dst), and Toyota (.10\*).
  - *Bernina ART (.art version 1, 2 and 3) and Brother/Babylock/Bernina .pes versions 3, 4, 5, 7 and 8 can only be loaded. Files of .pes format are saved as version 2 if the embroidery is 130mm x 180mm or smaller. Larger embroideries are saved as version 6.*
  
- Personalize your system with the 5D™ Configure wizard:
  - Choose between Inches or millimeters; view any measurements in US or metric as an alternative to your current settings.
  - Select from your own thread stash for different projects using an unlimited number of MyThreads ranges.
  - Set your connection options using MyMachines
  - Choose from your own hoops with MyHoops including most popular brands of machine, with the possibility to make your own hoops in Hoop Manager
  - Select a program `skin', then choose your favorite background colors



- All Modules are fully integrated with QuickLink toolbar and visible clipboard for easy copy and paste of embroideries and sections of embroideries. Duplicate designs automatically within a module without using Copy and Paste.
- 'Send To' makes it simple. Two Send To options are included in all modules; the quick and easy way to send one embroidery to your machine.
- Undo and Redo unlimited in most modules (\*excludes 5D™ Embroidery, 5D™ Design Creator and 5D™ PortraitStitch)
- Help is always at hand with the Printed User's Guide. Even the cursors help you by changing according to which function is selected! A range of online learning materials is provided including intelligent tool tips, extensive program help, Internet FAQs and a Learning Center with interactive tutorials.
- Store information about your designs in the Notes. Notes are separated into Notes and Settings; Settings record the parameters used when creating lettering, selecting frames and so on.
- Smart Update always gives you the latest system.



## 5D™ Embroidery

### 5D™ Embroidery features

- ***Adjust, monogram, personalize and combine your embroidery designs!***
- Combine and adjust an unlimited number of designs and lettering in a project area of up to 2m width and height.
- Resize any area with stitch density control.
- Automatically repeat and reflect your design with the Encore features:
  - Encore multiple designs along 8 different line types or in a circle. Encore a design in one of 24 shapes or to border your hoop with an alternative design in the corners.
  - Adjust the gap as desired and remove overlap automatically.
- Select multiple designs and move them as a group:
  - Combine selected; resize, mirror and rotate the individual designs even while they are selected as a group.
  - Combine the selected designs permanently if desired.
  - Align the selected designs horizontally, vertically, top, bottom, left and right or in the center of the hoop.
  - Move designs into the hoop automatically.
  - Change a design's stitchout order by moving it forward or backward.
- Use letters and MiniDesigns to personalize all your projects:
  - Use the ExpressMonogram Wizard to create monograms automatically of one, two or three letters to personalize garments, towels or home furnishings: your possibilities are unlimited!
  - Create names to complement your monogram or embellish a different project:
    - Choose a special first letter from a beautiful ornamental font
    - Vary the orientation and spacing to create fun effects
  - Choose from 119 Digitized fonts; 10 Classic Monogram fonts specially designed for traditional monogram envelopes such as Diamond and Circle.
  - Alternatively, create lettering from most TrueType® and OpenType® fonts on your computer.
  - Create Multiple lines automatically in most lettering envelopes with alignment and spacing options
  - Change the way your lettering appears by using one of 21 envelope shapes.
  - Preview fonts when selecting, check Spelling as you type and edit lettering after creation.
    - Automatically create lettering below the selected design.
    - Automatically create centered circular lettering to fit around the selected design.
    - View the selected font on the Letter page and scroll through all the fonts in the category
    - Choose lettering options before or after creation with context-sensitive stitch properties buttons (satin and fill buttons are available only if those stitch types are in the selected font).
  - Add to your designs using your favorite stitches from your Husqvarna Viking or Pfaff machine and a number of unique motifs including beautiful hand stitches.



- Embellish your monograms, names or any design.
  - Surround them with over 700 beautiful decorative frames and flourishes that fit around them with your preferred margin.
  - Alternatively, create a monogram or design border automatically – you can even use motifs from your embroidery machine!
- Many features make stitching out your embroidery project easier:
  - Remove overlap automatically when combining or saving designs to improve stitch out quality (no overlapping stitches causing stitchout problems).
- Make any embroidery Endless: repeat your favorite embroideries across your chosen hoop. Choose from four types of alignment stitches for easy re-hooping and a perfect result!
- 50 Undos and Redos
- Over 700 embroideries included plus 270 MiniDesigns.

#### 5D™ Organizer features

- ***Find your designs and pictures easily***
  - Sort by Name, Size, Stitch Count, Hoop Size, Number of Colors, Date Modified and so on.
  - Print a 3D design worksheet or catalog.
  - Convert embroideries between many formats.
  - Convert embroideries to images.
- Machine accessory modules: 5D™ Disk Manager, 5D™ Reader/Writer and 5D™ d-Card Reader/Writer, 5D™ File Assistant.

## 5D™ Embroidery Extra

- ***Create designs automatically for your personalized project and view on real garments, quilt blocks and fabrics!***

#### 5D™ Embroidery features plus:

- Create designs automatically from a picture with the ExpressDesign Wizards - fit the hoop or selected area:
  - Create a standard embroidery using satin and fill areas (ExpressEmbroidery).
  - Trace outlines in a picture, for example to create redwork designs (ExpressTrace).
  - Create running stitch, motif, satin border or appliqué around enclosed areas in the picture (ExpressBorder).
- Integrated 5D™ Vision features:
  - View multiple embroideries on real garments, quilt blocks and fabrics.
  - Add your own real-size garment, quilt block or fabric garment backgrounds.
  - Print all the embroideries with real-size backgrounds to use as templates in your project.
  - Over 770 garment backgrounds.



- 600 Quilt Blocks from Electric Quilt Company.
- 380 fabric backgrounds. Fabric libraries from RJR Fabrics including Sew You So Fun lines and Thimbleberries House & Garden.
- Split your project automatically to fit in your preferred single or multi-part hoop.
- Move, add or delete areas of stitches:
  - Manage colors, select stitches, Rotate, Mirror, Scale and Resize.
- 325 clipart images included.

Additional 5D™ Vision features

- ***View multiple embroideries with embellishments and special thread effects on real garments, quilt blocks and fabrics!***
- Features as described in 5D Embroidery Extra, plus:
  - View decorations on your designs, such as an unlimited number of appliqués, beads and sequins; Choose from 700 bead images.
  - See Solar Active and Glow in the Dark threads change on the computer screen.
  - Speciality techniques: see designs using twin needle (different widths) and dual threads
  - Print all the embroideries and decorations with real-size backgrounds to use as templates in your project.
- 5D™ Organizer
- Machine accessory modules: 5D™ Disk Manager, 5D™ Reader/Writer and 5D™ d-Card Reader/Writer, 5D™ File Assistant.



## 5D™ Design Enhancer

### 5D™ Stitch Editor features

- ***Transform and improve your embroideries***
- Design Optimizer improves the stitchout of most embroideries, both in speed and quality.
- Frame your embroidery with wonderful Border and Applique options: Choose from 50 shapes or draw your own shape to create a new embroidery with a satin border or as an appliqué. Keep the section of embroidery from inside or outside the border, or simply overlay the border.
- Transform your design with the fantastic point and global morphing effects.
- Use the exclusive PatternMake™ features to add beautiful patterns to your embroideries. Choose from over 200 stamps to single stamp, stamp along a line or to fill a large area.
- Resize designs with density control and adjustable options. The Density Adviser allows you to check and reduce the stitch density of any embroidery.
- Select specific stitches by block, color, polygon or freehand and then adjust. Use the Stitch Player to play through an embroidery as if it is stitching out.
- Add or delete stitches, color changes, stops or trim commands. Also choose from 9 Tie stitches to improve design stitch out.

### 5D™ Design Aligner features

- ***Lay out large designs for your own hoop***
- Split large designs into multiple sections automatically or with your chosen split lines.
- Add alignment stitches automatically for easy re-hooping.
- Adjust the overlap areas between hoops.
- Print templates to help you complete your project.



## 5D™ Cross Stitcher

- *Design beautiful cross stitch embroideries with traditional quality and the speed of a machine.*
- Create your own cross stitch patterns. Use the pictures as templates or let the Cross Stitcher Wizard create the design for you automatically.
- Traditional and modern stitches. Choose from full, half, quarter, mini and half-height or half-width crosses, fixed or free backstitch and French knots.
- Designs come to life. Choose between block, 2D and 3D display.
- Automatically reflect your design up to eight times with the amazing Multiply feature.
- Draw shapes with crosses, outlines and fill patterns. Over 150 special cross stitch and blackwork fill patterns are included.
- Elegant cross stitch lettering: Choose from 27 backstitch and cross-stitch fonts, including Multi-color fonts, or select from most TrueType ® or OpenType ® fonts on your computer.



## 5D™ Sketch

- ***Add free motion embroidery highlights and texture to your favorite pictures, fabrics and designs.***
- Print and embroider your masterpiece at the touch of a button.
- Create quilt stippling stitches in quilt motion with perfectly regulated stitch length.
- Embroider your signature or use the calligraphy feature to create beautiful monograms.
- Draw with your favorite machine stitches using the amazing Motif Motion feature.
- Create appliqué with horizontal or rotational zigzag satin stitching.
- Revolutionary: Patents on many features.
- 165 Picture Backgrounds and 52 Calligraphy Backgrounds included.

## 5D™ Family Tree

- ***Create embroidery charts, quilt blocks and album pages automatically from your own family history!***
- Transform your treasured photos into wonderful PortraitStitch embroideries.
  - Highlight the most important areas of your photo with the Enhance Focal Area option
  - Adjust the density of your portrait for different effects.
- Enter your own family details or import gedcom files (.ged) from other genealogy software.
- Embroider information and pictures for each person / family.
- Choose from chart or album / quilt block format.
- Create memory pieces to highlight your favorite pets, or even cars or boats. Any type of collection is possible!
- Use fonts specially designed for small lettering.
- Embellish your portraits and lettering with beautiful decorative frames and flourishes.
- Wizards help you add family info, create Portraits, Themes, Charts and Projects.



## 5D™ Professional / 5D™ Suite

***Everything is possible! This package contains the complete range of 5D™ software plus three exclusive modules.***

### 5D™ Embroidery Extra

- 5D™ ExpressMonogram Wizard
- 5D™ ExpressDesign Wizards
- Machine accessory modules; 5D™ Disk Manager, 5D™ d-card Reader/Writer and 5D™ Reader/Writer; 5D™ File Assistant

### 5D™ Organizer

#### 5D™ Vision

#### 5D™ Stitch Editor

#### 5D™ Design Aligner

#### 5D™ Sketch

#### 5D™ Cross Stitcher

#### 5D™ Family Tree

### 5D™ PortraitStitch

- Embroider unique color or monochrome embroidery portraits automatically from your own photos. Create wonderful greeting cards, family quilts, framed pictures and much more with your portraits.
- Choose from 10 amazing stitch effects, including color portrait, heritage sepia or monochrome portrait and color tile for an artistic 'pointillist' effect. Try one of the six monochrome linear and linear artistic effects such as spiral or maze to create a single-color embroidery.
- Use step-by-step wizards to create portraits of any size easily.
- Highlight the most important areas of your photo with the Enhance Focal Area option
- Adjust the density of your portrait for different effects.
- View your portrait in the hoop.
- Improve your photos: Remove background areas and red-eye and use image effects and painting tools to adjust your pictures for the best embroidery result.
- Frame the portrait automatically with your choice of 225 frames and corners. Alternatively, create a border around the portrait in one of 50 shapes, using satin stitch, running or triple stitch or even machine motifs.

### 5D™ Design Creator

- Create designs automatically from a picture with the ExpressDesign Wizards - fit the hoop or a selected size, together with full editing and digitizing capabilities:
  - Create a standard embroidery using satin and fill areas (ExpressEmbroidery).
  - Trace outlines in a picture, for example to create redwork designs (ExpressTrace).
  - Create running stitch, motif, satin border or appliqué around enclosed areas in the picture (ExpressBorder).
- Create in the real world!



- Create designs in real world dimensions and view them in 3D in your hoop.
- No need to create stitches before saving; simply save your embroidery.
- Print background images as part of your design.
- Use vector or raster pictures: Draw or Paint.
  - Draw or load designs in vector format and convert them to embroidery automatically.
  - Paint pictures or load designs in raster format.
  - Save drawings or pictures and send them to the wizards.
- Select fill and line types before or after creating objects.
  - Adjust designs using easy editing features: Convert easily between stitch types and patterns and save favorite styles.
  - Navigate around the design with the Filmstrip, now with numbered objects for easy reference in training.
- Create beautiful lace designs using the lace tools:
  - Richelieu bars
  - Tapered motifs
  - Emboss options for satin and fill
  - Crosshatch and parallel fill.
- Continuous satin gives smoother stitching.
- Fill patterns and techniques are amazing – choose from over 250 fill patterns or make your own. Emboss fill areas with personal highlights. Set the start and end of fill areas if desired and use up to 500 holes. Use gradient density to produce beautiful shading effects. Multicolor Gradient fill helps you create spectacular effects in your designs.
- Beautiful specialty fill types include Contour, Radial, Spiral, Shape Fill with 50 shape options and motif options, QuiltStipple fill.
- Appliqué options for all areas.
- Embellish your designs with your own machine stitch motifs. Also choose from Universal motifs such as the beautiful Hand Stitches.
- Create Freehand areas and lines by placing points or drawing.
- Create feathered satin and texture both edges of a satin stitch for special embroidery effects on fur or flowers.
- Design your own motifs or machine stitches.

#### 5D™ Font Digitizing

- Create your own Fonts to use in the 5D™ Embroidery System
- 75 Bonus embroidery designs



#### System Requirements

- Windows® 7, Vista or XP
- PC with Intel processor or equivalent (1 GHz or higher)
- 1GB RAM
- 2GB hard disk space
- Screen resolution 1024 x 768, 16 million colors
- Mouse or drawing tablet
- DVD-Rom drive
- USB port
- Internet activation required

For more information visit our websites at [www.5DEmbroiderySystem.com](http://www.5DEmbroiderySystem.com)

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