

EMBROIDERY SOFTWARE

TAJIMA

DC¹⁵

BY PULSE

PRODUCTIVITY
ON THE GO!



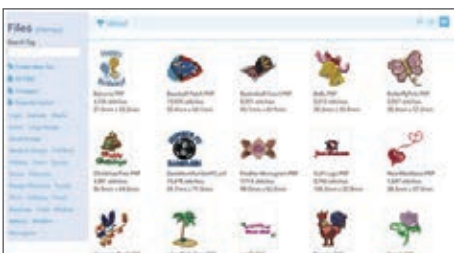
TAJIMA DG¹⁵ BY PULSE



Take your embroidery designs anywhere with Tajima DG15 by Pulse! All of the industry leading features and functionality you need to succeed are now accessible from your mobile device, changing the way you operate your business. Create, manage and browse your designs from multiple devices through the all new PulseCloud service. Whether you design from a desktop computer or use the Embroidery Editor WebApp from your tablet, you'll always be able to access your DG15 designs with the swipe of a finger.



Build and browse your online portfolio with constant access to your designs from your mobile devices. You can even create new designs using templates. Moving technology to the cloud opens the door for various mobile and social possibilities, enabling you to take your business on the go and access your important files securely on multiple devices.



Work from any mobile device



Improve internal and external communications



Monitor your production floor and the productivity of individual machines



Gain access to a growing list of time-saving web apps



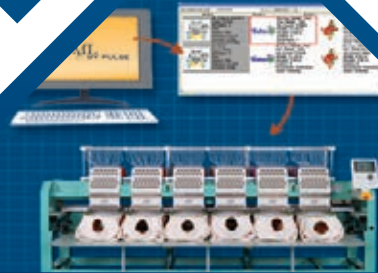
VECTOR BASED EMBROIDERY

DG15's integrated drawing tools ensure optimal design quality by working with your products in vector form.



IMPORT VECTOR GRAPHICS

Import artwork from Adobe® Illustrator® and CorelDRAW® directly into DG15 while preserving the vector points and original colors.



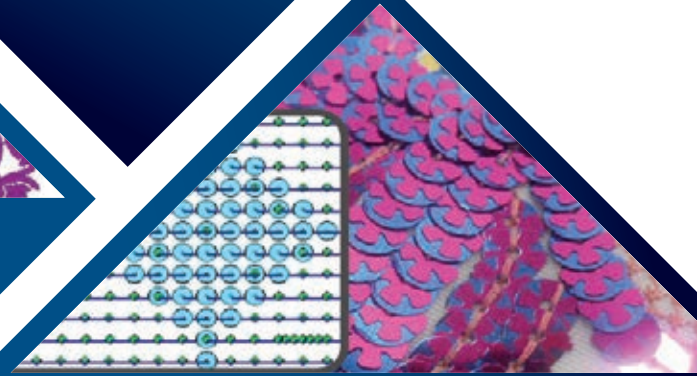
TAJIMA

Exclusive support for Tajima LAN-enabled embroidery machines, including displaying messages on the controller of certain machine models and optional barcode support.



FONTS

Choose from an extensive collection of professional-quality embroidery fonts with automatic kerning, closest-point connection and automatic outlines.



SEQUIN / CHENILLE LOCHROSE / LASER

Easily create exciting multi-media designs using a wide array of embellishment techniques including Sequin, Chenille, Lochrose and Laser.



STITCH EFFECTS / QUALITY

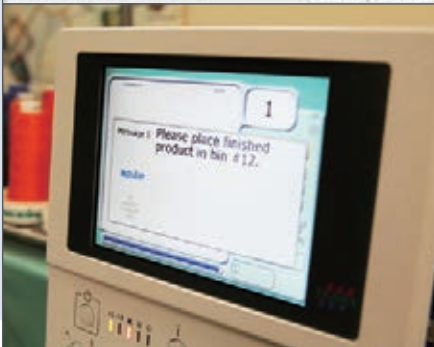
Enhance your designs using specialized stitch effects. Our best-in-class stitch quality is unrivaled in the embroidery industry.

WHAT'S NEW IN DG15



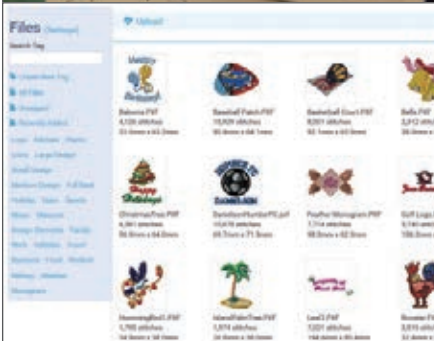
Monogram Wizard

Easy to use template based monograms can be created with any DG15 font or thread chart. Choose frames and décor elements for additional personalization.



Machine Integration

Display messages for machine operators on the controller of your machine before and after a design is sewn. You can also set the maximum speed of the machine.



PulseCloud

The all new PulseCloud enables you to increase your productivity by giving you access to your design portfolio and machine status from anywhere in the world.



Shape Echo

The Shape Echo tool lets you fill the space between two outlines with decorative spiral fill stitches.

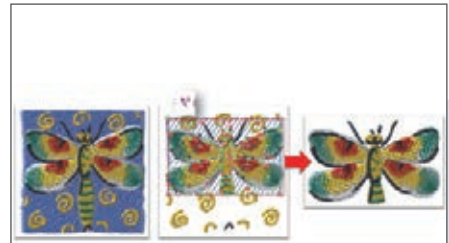


Shrink to Fit Lettering

Automatically compress text vertically or horizontally to fit a desired space. Great for doing personalizations where some names are much larger than others.

Rectangle Slice

This tool frames a design by slicing all the segments in it at the same time. Once applied, outlines are created everywhere that the rectangular slice intersects a segment.



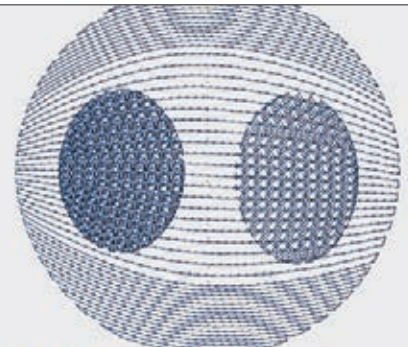
5 New Standard Fonts

Five new fonts have been added as standard for DG15 including font specifically designed for small lettering.

Sanvito Pro
Nimbus Sans
Line Small 4mm
Museo
Lesse

Complex Modifier

The Complex fill modifier is a new tool that allows the user to designate areas within a complex fill and change the settings that apply within these areas.



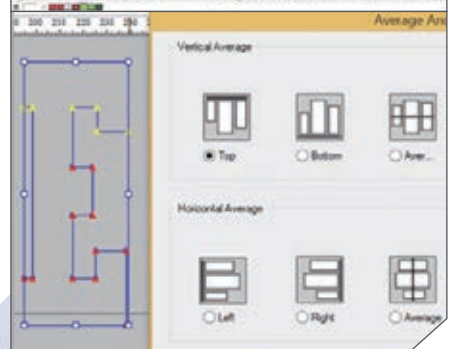
New Wave Effect

Standard and Carved Patterns can now be used with the wave effect and the patterns will be maintained with no distortion.



Superior Vector Features

New functionality to add, move, convert and average anchor points as well as the ability to snap to artwork and guidelines.



LEVELS OF DG15

Maestro

ULTIMATE DESIGN CREATION

Advanced VBE with automation and specialty stitch effects

Artist Plus

EXPERT DESIGN CREATION

Intricately detailed design effects and special artistic options

Illustrator Extreme

ADVANCED DESIGN CREATION

Enhanced drawing tools and vector import

Creator

PROFESSIONAL DESIGN CREATION

Advanced lettering and outline editing with standard digitizing tools

Composer

ADVANCED LETTERING AND OUTLINE CREATION

Over 160 Pulse fonts with detailed individual letter editing

Features for All Levels

Connect to Tajima, Barudan, Brother, Toyota, SWF and Pfaff Machines

Tajima TBF (Bi-Directional) Serial Connection and TBF File Format Support

Design Spooler to Manage Machine Connections and Send Designs

Multi-Core 64 Bit Processing

Automatic Data Collection (Tajima machines only)

Read and Write All Popular Disk Formats and Home Sewing Formats

Over 160 High-Quality Embroidery Fonts - Auto Kerned

Thread Database and Thread Table Editor

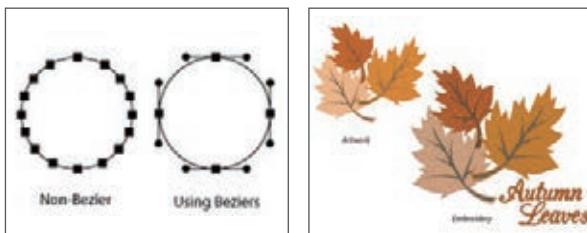
Redraw Toolbar for Sew-Out Previews

Production Reporting, Machine Status in Real Time

Stitch to Outline Conversion

Print Individual Font Characters

Access to PulseCloud



VBE explanation

Tajima DG15 by Pulse has true Vector Based Embroidery. VBE supports Bezier curves, which allow creation of outlines using the least number of input points. This gives you greater control over the shape of your outlines and makes editing painless.

Take VBE to the next level and import vector files, or copy and paste vectors from popular drawing applications like Adobe® Illustrator® and CorelDRAW® while preserving original vector points and colors. Instead of punching a design, the VBE environment lets you convert images into embroidery instantly with precision, speed, and ease.





Composer

Other Features

- Automatic Underlay
- Apply Styles
- Jagged Edge Setting for Text
- Breakup Complex Fill Segments
- Selective Stitch to Outline Conversion
- Create Custom Toolbars
- Automatic Borders for Text
- Monogram Wizard



DrawFusion

Work with vector artwork in CorelDRAW® and convert it to stitches within DG15. There is no need to assign stitch types or add stitch directions to each segment manually.

Autodigitizer

The Autodigitizer automatically converts simple artwork into embroidery. Expedite your digitizing process precisely and effortlessly.



Align to Segment

Keep two segments aligned through any transformation including resizing, moving and rotating.



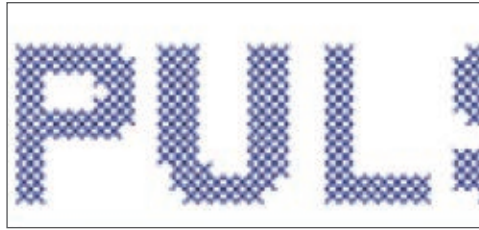
Vertical Text Tool

Easily create beautiful vertical text segments and adjust their spacing, line type and justification.



Change Color of Individual Letters

DG15 allows you to quickly change the color/thread number of each individual letter in any kind of text segment.



Cross-Stitch Tool

Use this tool to create the look of hand-sewn cross-stitch with ease.



AutoTrace

Easily convert images to Bezier curves and then to any available stitch type for rapid design creation.



Complex Fill with Holes

DG15 intelligently places stitches around void areas, preserving holes, and creating flawless embroidery.

Automatic Appliqué

Automatic Appliqué creates the run, tack down, and border stitches for the shapes you draw.



Satin Path

Create beautiful satin stitches by defining a shape and assigning stitch directions.

Other Features

Jagged Edge

QuickDraw

Run Stitch Tool

Carved Tiles in Satin Path/
Complex Fills

Programmed Patterns in Com-
plex Fills

Added Randomness Options

Segment Alignment

Email JPG, Design Files and
Worksheets



Illustrator Extreme

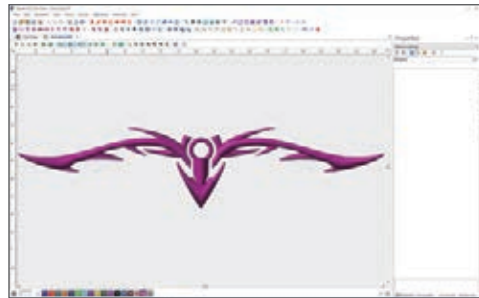
Other Features

- Contour Stitch, Star Stitch
- Create Steil from a Path Section
- Remove Overlap Stitches
- Automatic Text Borders
- Automatic Borders for Fills
- Image Vectorizer
- TTF Import
- Programmed Runs and Fills



Vector Import from CorelDRAW and Adobe Illustrator

Import artwork or copy vectors from Adobe® Illustrator® and CorelDRAW® and add them directly into DG15.



Branching

Multiple satin, steil, or run segments are sequenced optimally to reduce travel runs, jumps, and trims.



Advanced Design Creation Tools

The Steil, Symbol, Drawing, Rectangle Slice and Curved Slice Tools help create beautiful designs and avoid repetitive tasks

Unlimited Conversion between stitch types

With unlimited conversions you can change the stitch type as often as you like until you find the one that's perfect for your design.

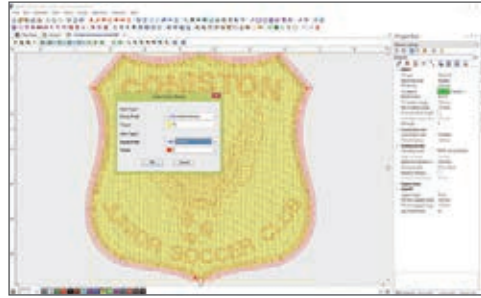


Advanced Drawing Modes

DG15 has a variety of drawing modes for both beginners and advanced users to create beautiful artwork with ease.



Artist Plus



Auto Color Blend

Easily blend any two stitch colors together to create beautiful effects



Other Features

Carved Fill Pattern Editor

Region Carving

Offset Patterns in Carved and Programmed Fill patterns

Elastic and Turning Stitch Effects for Carved Fill Patterns

Customizable Start/End Lock Stitches

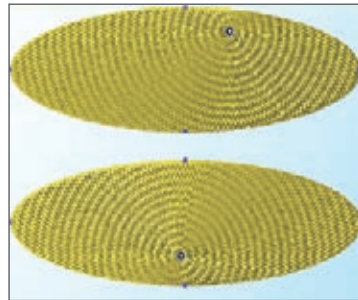
Programmed Pattern Editor

Programmed Run Arrange

Graduated Density

Line Carving

Add 3D effects to designs while reducing stitch counts.

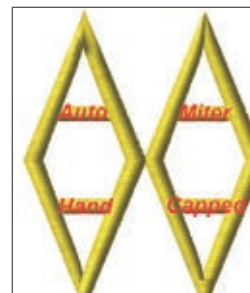


Radial Fill Tool

Reposition the center point of segments to watch stitches radiate outwards from that point.

Automatic Overlap

Easily create overlaps on satin segments according to start and stop points.



Custom Cornering

Corners are adjusted with a simple click of the mouse, making high-quality professional results easy to achieve.



Maestro

Other Features

Create Your Own Fonts/Fill Patterns

Standard/Carved Patterns as Wave Fills

Fix Gap Setting

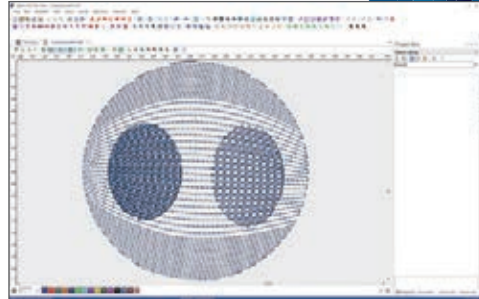
Handsew Overlap for Steil Corners

Revolving Complex Fill

Break Up Virtual Slice

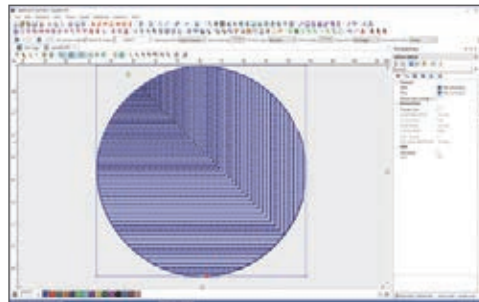
Auto Boring

Auto Breakup



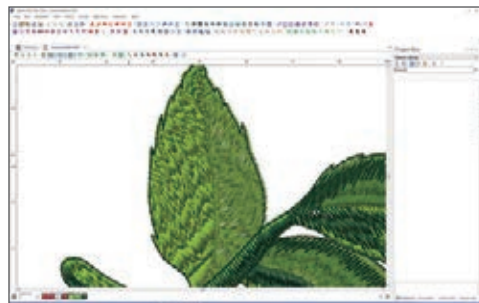
Complex Fill Modifier

Change the stitches inside a complex fill to apply a number of combinations to an existing segment



Spiral Fill

Use this feature to add a unique and customizable spiral element to any design

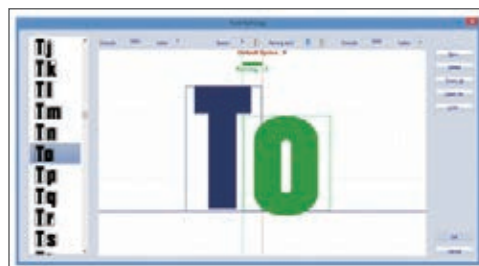


New Wave Fill

Give a realistic look to plant and animal designs with this new feature

Cascade Stitch

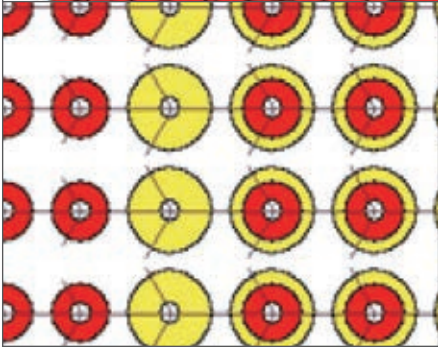
A series of concentric stitches that fill a shape along its contour, the cascade stitch is useful in designs where an aesthetic, hand sewn look is desired.



Visual Kerning

Adjust kerning pairs visually and see the results of kerning prior to implementing in the font.

OPTIONS



Sequin

Creating sequin designs has never been easier. Simply Draw or Import Artwork and convert it to sequin. The Sequin tool allows you to digitize for sequin as easily as you would for a running stitch. With the automated Sequin tool, you can choose from over 12 different sequin styles. There are a variety of settings to alter the size of sequin, the style for tack down and the overlap between adjacent sequins.

Sequin Fonts

Sequin enthusiasts will love our set of specially punched Sequin fonts, 2 block and 2 script fonts. Simply type the letters required and the sequin lettering is ready, just like any of your embroidery fonts. Add automatic borders to create special effects and redefine your sequin lettering.

Sequin Fill

Sequin Fill is a powerful tool that takes the outlines you draw, preserving holes, and automatically and intelligently fills them with sequins. Use this tool along with Wave Fill for stunning sequin effects.

Colour Change Sequin

Stand out in the Sequin crowd by adding multiple sequins to your designs! Create designs with sequins of different colors, shapes and sizes, by overlapping them or placing them side by side by alternating single, double and overlapping sequins. Powerful editing capabilities allow you to apply custom changes. Creating mixed media designs using multiple sequins and embroidery for visually stunning results is easy with the CCS tool

Colour Change Sequin Fill

Create perspective and 3D effects with mixed Sequin Fills in your designs. CCS Fill allows you to fill complex shapes easily with multiple sequins. Draw, trace artwork, or digitize on top of a bitmap image. Adjust the parameters of your Sequin Fill pattern on the Settings page and you are ready to create Color Change Sequin designs!

Chenille

With the Chenille option, you can apply Lattice, Spiro, Moss or Chain walk to any segment and quickly transform original artwork into creative Chenille embroidery. Automatic sequencing of Chains and Mosses for shapes with holes minimizes travel stitches, so you have cleaner designs that run perfectly on machines. Automatic filtering ensures that stitch angles are optimal machine operation.



Head Grouping

Make your multi-head machine flexible using the Head Grouping feature to tackle a variety of large Schiffli type embroidery projects like curtains, tablecloths, bedcovers and sarees. The Head Grouping Manager assigns each of the individual heads to sew out a different part of the design, allowing you to efficiently sew a wide design on the machine. Head Grouping makes light work of a labor intensive task by allowing you to assign sections of a design to different heads, and automatically controlling which heads sew which parts of a design. Creating uniforms containing individual names with a common logo is now super easy using Head Group Manager.



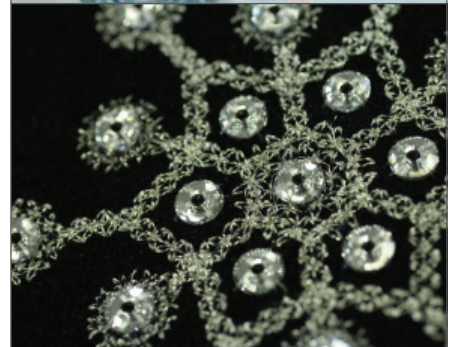
Taping/Cording/Coiling

Taping, Cording and Coiling are unique embroidery effects created using special embroidery heads available only on some Tajima machines. The embroidery head twists the upper thread and lower fiber/yarn together to create the unique coiling stitch, and then attaches it on the fabric with stitches. Taping effect is the attaching of fabric tape or yarn on fabric, creating a new type of embellishment. DG15 can easily create Coiling and taping embroidery using just the simple Run stitch, and special machine commands to activate machine functions, thus saving hours of manual effort.



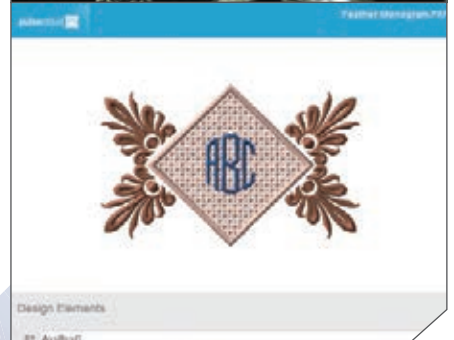
Laser/Lochrose/Applique

DG15 offers options for specialty decoration techniques such as laser engraving, appliqué and Lochrose. Whatever type of apparel decoration business you're in, we have the technology to help you succeed.



Elements

The elements feature is now available as an option for Composer and Creator users. This feature is included in Illustrator Extreme, Artist Plus and Maestro and allows you take advantage of all of the functionality of PulseCloud. Define a segment as an element and it becomes editable in PulseCloud.



FONTS



Tajima DG15 by Pulse offers an extensive collection of professional quality embroidery fonts. Whether you are adding lettering to an existing design or digitizing a corporate logo, with hundreds of exquisite fonts to choose from, you are sure find perfect font for any job. Each Pulse font has been expertly digitized using beautiful satin

stitches to create flawless lettering. Fonts are scalable and include a myriad of special and international characters so they can be easily customized for any design. Here is a preview of some of our fonts

Embroidery



Create embroidery INSIDE popular graphic programs

A revolutionary new software plug in that lets you create embroidery inside CorelDRAW® / Adobe® Illustrator® graphic programs. Draw or open a vector file, assign a stitch effect, adjust embroidery parameters, and you're ready to sew the design on the embroidery machine. Embroidery i2 works on both the MAC (Intel based MAC and Adobe® Illustrator® only) and PC. Creates amazing embroidery, and the stitch quality is flawless. Embroidery i2 for is perfect for screen printers, creative professionals, promotional product companies and digitizers.

A familiar interface, an intuitive way to work

The days of having to struggle with a strange new environment and a separate software application to create embroidery are over. With Embroidery i2, you'll work right inside Adobe® Illustrator® or CorelDRAW® – you'll have special palettes that help create embroidery from vector art, and just like the special effects and textures that you can apply to your drawings, you can now apply embroidery stitches. There are garment recipes to help you along, so you don't have to guess the parameters needed to sew on pique, silks, fleece, jacket backs, etc.

Draw your shapes and apply any stitch you like

Draw in Adobe® Illustrator®/ CorelDRAW® like you normally would, and assign stitches to quickly create a beautiful embroidery design. Converting a non-vector file to embroidery is also possible: create vectors by tracing manually or automatically over the shape. Then, apply stitches: Steil, Satin, Complex Fill, Cross Stitch, Runs, Programmed Runs and fills, carved fills and more... to create amazing embroidery. Change your mind as often as you'd like, experimenting with the different stitch types till you have just what you want.

Editing power

Slice satin stitches without slicing the original outline with the virtual slice tool. This fantastic feature allows you to properly direction the satin stitches without altering the shape. Edit beads easily- whether you're working with start stop beads, direction beads or the beads that control the slice lines – you have complete control over stitch placement. Tell the angle lines where you want them to go simply drag the lines to the new location, and the stitches will obey your command. Embroidery i2 gives you all the editing power you need to make beautiful designs run perfectly on the embroidery machine.

LAN/BARCODE



Exclusive Support for LAN-Enabled Tajima Embroidery Machines

This series of embroidery machines plugs directly into a local area network (LAN) simplifying the networking process even further. No more serial or parallel ports, baud rates, or cumbersome installation processes. Just connect it to your existing LAN, and send designs to the Design Spooler queue. Add, delete, and order designs in the queue, then send designs to any of the LAN-enabled Tajima machines in your fleet.

Bar coding technology and TBF format

Networking the machines saves you time, giving you less machine downtime as the color sequence information, using TBF format, can be sent automatically to the machine. Less downtime for managing needles means the machine can be running longer, making more money for you.

Using Bar codes can make the process even faster. Bar codes can be used to pull a design from the design queue of Tajima DG15 by Pulse, or from a folder on a computer's hard drive, or from a Librarian design server this saves time and also reduces operator errors.



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Advanced VBE with automation and specialty stitch effects

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Enhanced drawing tools and vector import

Creator

PROFESSIONAL DESIGN CREATION

Advanced lettering and outline editing with standard digitizing tools

Composer

ADVANCED LETTERING AND OUTLINE CREATION

Over 160 Pulse fonts with detailed individual letter editing

New features in DG15 to help increase your productivity include:

New Monogram Wizard

Advanced Quotation Estimator

New machine integration features

Touch-screen gesture support

Powerful 64-bit processing

Superior vector features

New randomness options

New fill options for wave effects/complex fills

Unparalleled sequin experience

And much more!



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