

Top-of-the-line

Solaris

Sewing and Embroidery Machine

Put your projects in an entirely new light with the Baby Lock Solaris. With the revolutionary new IQ Visionary™ Technology, you'll see how your design looks before you stitch it out! Solaris' built-in projector displays your stitches and embroidery patterns on fabric in vibrant full color for perfect placement every time.



**IQ Visionary™
Projector**



**10-5/8" x 16"
Embroidery Hoop**



**740 Built-in
Designs**



**10.1" Capacitive
Touch Screen**



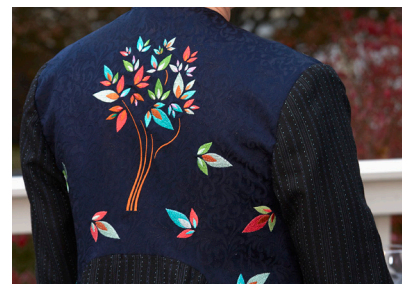
**IQ™
Designer**



baby lock

FOR THE LOVE OF SEWING

www.BabyLock.com



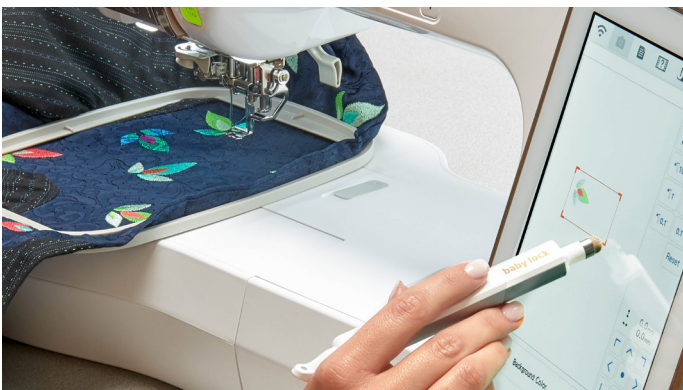
See What Possibility
Looks Like



IQ VISIONARY™
TECHNOLOGY

Solaris' built-in IQ Visionary™ projector displays stitches and embroidery designs directly on the fabric. Resize, move or make other adjustments with the touch of a wireless stylus – all while seeing it happen in real time before you sew it out. Perfect placement is achieved every time.

Precise Embroidery Placement



Black

Grey

White

While in embroidery mode, choose from three different projection backgrounds (black, grey or white) based on fabric choices to see your design clearly. The needle drop laser is displayed in a "T" pattern for an even more precise placement.

Perfect Sewing Placement



Guide Lines

Angle Lines

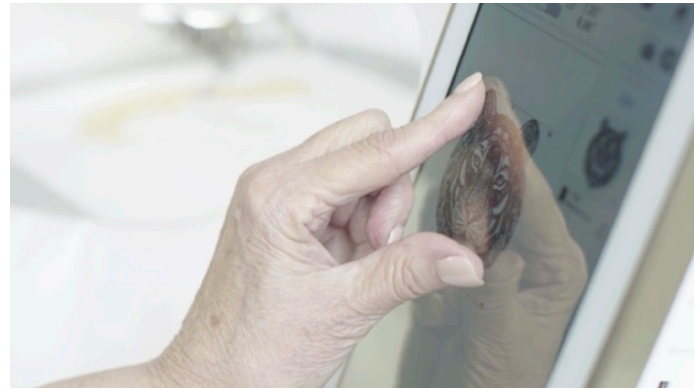
Grid Lines

Solaris uses a variety of guideline markers and grids for perfect placement. While in sewing mode, switch between three different laser colors (red, green and white) for better visibility based on fabric choices. Single, double, angles and grid lines are ideal for piecing placement, stitch adjustment and aligning starting points and very wide stitches.



10 5/8" x 16" Hoop Size

Baby Lock's largest hoop yet makes it possible to stitch out your biggest embroidery designs with fewer rehoopings.



10.1" Capacitive Touchscreen

You'll have total control over every single aspect of your stitches, embroidery designs, placement, colors and more on a large touchscreen with slide scrolling menus and pinch in/out zooming.



IQ™ Designer

Create your own designs and quilt motifs with ease. Draw directly on the screen, scan in your favorite line art or upload an existing file to the Solaris. Your art will be instantly digitized!



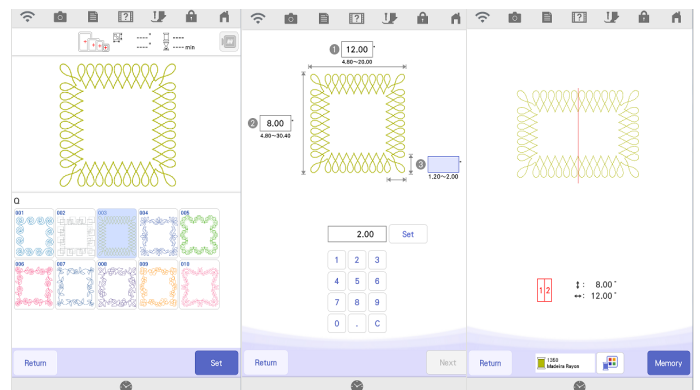
Enhanced Editing

The Solaris features processing speed that's 30% faster than previous Baby Lock sewing and embroidery machines. It processes your edits, combines your designs and even imports them faster than ever. You can even save them in the built-in memory for future use.

<h1>740</h1> <p>BUILT-IN DESIGNS</p>	<h1>861</h1> <p>DECORATIVE STITCHES</p>	<h1>30</h1> <p>DECORATIVE FILLS</p>	<h1>151</h1> <p>UTILITY STITCHES</p>
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Built-in Designs and Stitches

Make every project uniquely yours with a huge variety of built-in designs, decorative stitches, decorative fills and utility stitches, including exclusive embroidery designs from Baby Lock Sewlebrities.



Auto Split of Large Quilting, Border and Corner Designs

Create beautiful quilt borders and sashing with unmatched precision. Simply put in your dimensions and Solaris does the necessary measurements for you. It matches the corners and then calculates the middle for a complete frame.



Echo Quilting and Stippling Lines

Automatically echo quilts and stipples around a selected design. Line spacing distance and frame size are all easily adjustable.



Camera Detecting Buttonhole Foot

Solaris' camera automatically senses pre-set points on the buttonhole foot, providing an accurate, better sew out. The two-piece foot secures the fabric, preventing slippage.



13" to the Right of the Needle

With an unprecedented 13" to the right of the needle for an impressive 65 square inches of workspace, Solaris gives you plenty of room to comfortably work on larger projects and full-size quilts.



Needle Plate with Push Button Release

Switching out plates has never been this easy – just simply touch a button. No tools are needed! The needle plate also features a variety of new markings for better placement, alignment and accuracy.



Dual Spool Stands

This multipurpose spool stand conveniently sits in the top cover. It's perfect for use with twin needles for decorative stitches. For embroidery projects, set up both threads at the same time and quickly change from color to color. It also holds and support larger cones for your quilting projects.



Enhanced Stadium Lighting

Eight high-powered color rendering LEDs illuminate your project so you can see every detail – including your large embroidery designs.

Optional Accessories

BABY LOCK

LOVE *of* SEWING



Love of Sewing Membership (BLSA-LOSM)

Get access to more 400 online classes taught by 25 Baby Lock experts that cover more than 165 topics with one membership!



Solaris Extension Table (BLSA-ET)

Instantly create a larger sewing surface with this extension table. The table's convenient design stores your knee lift underneath.



Palette™ 11 Software (ECS11)

This revolutionary design software works perfectly with the Solaris to wirelessly transmit designs from your computer and introduces new techniques, options and styles. You'll enjoy improved functionality that makes every step of digitizing easier.



Solaris Foot Kit (BLSA-FTKIT)

Expand your creative possibilities with this 30-Piece Foot and Accessory Kit. It features a wide variety of feet for more techniques.



Solaris Trolley (BLSATS)

Stores and transports your Solaris and the associated hoops -- including the 10-5/8 x 16" hoop!

Features and Specifications

Technology Features

- WXGA IPS TFT LCD Color Touch Screen Technology
 - Shows 16,777,216 colors
 - Measures 10.1" diagonally (800 x 1280 pixels)
 - Displays Clock and Date
- 3x faster processing speed
- Mpeg-4 movie/video play function
 - Video display size 6.2" diagonally
 - Exclusive 1GB Memory Storage for video
- IQ Visionary™ Projector
- Projects your embroidery design in a 3" x 5" area
- Advance and select stitches from projection using the Dual Stylus
- Set width, length and left/right shift
- Projection of Guide Beam, Grid and Needle Beam for precision alignment of stitches
 - Main and Sub line Options
 - 3 Color Options (Red, White, Green)
 - Line length Options
 - Height and Width position options
 - 45, 60 and 90 degree Angles
 - Grid adjustable up to from 5mm to 30mm
 - 4 adjustment levels on projection light
- NeedleCam™ Digital Camera for embroidery and sewing positioning with faster scanning.
- Precise Touch Positioning™ using NeedleCam
- Camera detecting buttonhole foot with stabilization plate
 - Creates up to 45mm buttonhole
- IQ™ Designer with paper holding frame for image scanning
 - LCD screen size can be enlarged to 1280 x 800 pixels
 - Will automatically create an embroidery pattern from a JPEG image
 - Drawing area is 3-3/4" x 5-11/16" (96mm x 145mm)
 - 90 Preloaded open, closed and region shapes
 - Able to select different line colors and fill colors
 - 18 Different stitch patterns: running, bean, satin, no outline, chainstitch, blanket, blindhem, candlewicking and 10 decorative stitch outlines
 - 33 Different fill patterns: regular fill, no fill, Stipple inside or around a shape, and 30 decorative pattern fills
 - Duplicate and paste editing preloaded shapes
 - Adjust line, fill and stippling width, length and density properties
 - Undersewing options
 - Undo and Redo options
 - Outline stamp shape creation for Trapunto techniques
- 2 scanning modes
 - Fine - For illustrations
 - Standard - For line drawings
- Enhanced Stadium Lighting for 13" area of brighter true color LED lighting on the needle and work area with 5 settings
- 2 (Type A) USB 2.0 drives to connect a mouse Flash drives, Hub and CD-ROM drives
- SD Card Slot
- Wireless Wi-LAN Function data transfer Technology (Requires Palette 11 version software)
- NeverMiss™ Automatic Advanced Threading System
- Digital Dual-Feed System ensures utmost fabric control when feeding layers or difficult fabric types

- Advanced Pivoting Feature and Automatic Fabric Sensor System
- Automatic sensors
 - Thread tension control makes tension adjustments for accurate stitches
 - Upper and lower thread sensors on/off
 - Upper and lower thread sensors to alert when threads run out
 - On-screen hoop sensor to recommend size of hoop
- Embroidery and sewing speed up to 1,050 spm
- Precise tracking system on embroidery carriage
- Resume mode
- Programmable shutoff capabilities
- Eco power mode

Embroidery Capabilities

- 740 Embroidery designs built-in including
 - 355 Baby Lock exclusives
 - 35 Sewlebrity designs
 - 15 Buttonhole embroidery designs in 3 sizes (45 total)
 - 15 Buttonhole embroidery frame designs
 - 240 Large decorative stitch designs
 - 10 Quilting Border Patterns
- 140 Frame combinations
- 31 font styles including
 - Extra-large striped alphabet and characters (100 total)
 - Extra-large block alphabet and characters (100 total)
 - Exclusive script alphabet and characters (70 total)
 - Large floral block alphabet (64 total)
 - Large vine alphabet (60 total)
 - Greek alphabet (24 total)
- Embroiders up to 10 5/8" x 16" (272mm x 408mm) embroidery field
- 10 5/8" x 16" hoop has new locking mechanism and silicone side grips for slip free fabric support
- Memory capacity approximately 9MB
- Reads embroidery designs with a stitch capacity of up to 850,000 stitches per design
- Color Visualizer with pinnable color selections
- WXGA IPS TFT Color LCD Touch Screen shows
 - Design placement using drag/drop and slide/scroll/pinch capacitive capabilities
 - Enhanced Realistic Preview
 - Screen brightness with 5 settings
 - Design previews can be enlarged 200%
 - Needle positioning grid and hoop selections
 - Needle position image can be enlarged 200%
 - Estimated embroidery time display and stitch count
 - Embroidery progress bar
 - Stitch simulator
 - Needle advancement (1, 10, 100, or 1000 stitch increments)
 - Measurements displayed in inches or metrics
 - Color separation
 - Thread color indicator
 - On-screen hoop size indicator
 - Low bobbin thread indicator
 - 300 color names
 - Screen saver customization
 - Thumbnail images in 3 viewing sizes, defaults at 150%
- 9-Point trial check points

- Starting point key for instant alignment of characters or patterns
- Alternate bobbin case for pre-wound bobbins
- Customize embroidery pattern and thumbnail back ground colors (66 options)
- On-screen grid
- Cuts jump stitches (with on/off capability)
- Embroidery frame clearance setting for easy bobbin changes
- Embroider without removing the foot control
- Compatible Ready for Optional W+ Needle Beam Foot and Mouse

Embroidery Editing Capabilities

- Combine embroidery designs on screen
- Character/text array function
- Character spacing
- Multi-line text with justification options
- Character insert and group edit capabilities
- Change fonts on letters or words after the design is set
- 0.1°, 1°, 10°, and 90° pattern rotation
- Enhanced design enlargement (up to 200%) and reduction (down to 60%) capabilities
- Design duplication
- Multiple design selection capabilities
- Automatic appliqué
- Automatic basting
- Add automatic stippling and echo stitching around embroidery designs
 - Set the distance, spacing and frame size
- Mirror imaging
- Change color selections within designs
- Enhanced color sorting to optimize sewing order
- Monochrome option for embroidery designs
- Programmable custom thread color selection
- 14 Major thread brands color palettes built-in

Advanced Sewing Capabilities

- 861 Built-in stitches including
 - 151 Utility including 15 one-step buttonhole styles and 1 four-step custom buttonhole
 - 527 Decorative
 - 79 Decorative satin
 - 20 Satin
 - 21 Cross
 - 63 Combinable Utility stitches
- 4 Built-in alphabets
- 30 Quilting stitches offer 57 needle position options
- Stitch length 0.0mm - 5.0mm
- 2 Basting stitch options: Regular 5mm and free-motion
- Maximum Utility stitch width 7mm
- Utility stitch editing capabilities
- 5 Memory settings for each Utility stitch
- Decorative stitch editing capabilities
 - Edit and combine Character Decorative stitches
 - Character/Decorative stitch memory equaling 1MB
 - Satin stitch elongation
 - Mirror-image
 - Back to the beginning key
 - Single and repeat mode
 - Length width proportional linking key
- Sew Utility and Decorative stitches while embroidery arm is attached

- Automatic drop feed on screen
- Lock key for Utility and Decorative stitches
- Reinforcement priority settings
- Lateral and diagonal feeding
- Variable needle positions
- Fully automatic built-in darning
- Twin needle settings

Convenient Sewing Features

- Larger sewing bed and workspace with 13.1" to the right of the needle
- Frosted surface finish on machine bed
- Convenient one-touch buttons for
 - Start/Stop
 - Reverse sewing
 - Reinforcement key
 - Needle up/down
 - Thread cutter
 - Automatic presser foot lift
 - Automatic needle threading
- Sewing speed control doubles as width control
- Quick-Set, Top-Loading bobbin with sensor
- Quick-Set Independent bobbin winding system with
 - 4 Adjustable speed settings
 - 5 Variable bobbin filling settings
- One finger removable needle plate for easy access cleaning
- Ergonomic 3-position, adjustable knee lift with extra high presser foot lift - 10mm Automatic and 13mm Manual
- Programmable 3-step needle up/down
- Adjustable volume with 5 settings
- Automatic thread cutter (with on/off capability)
- Needle plate with scale in inches and centimeters and additional guideline markings
- Free arm
- Foldable king two spool thread stand attaches magnetically to machine lid
- Two accessory storage compartments in sewing tray
- Enhanced Accessory Storage Box with 3 interchangeable trays
- Compatible Ready for Optional Multi-Function Foot Control

Instruction and Help Resources

- Built-in Instructions and Reference Manual
- Built-in Operational Guide with up to 40 help topics and 33 built-in videos (videos available via downloadable update)
- Built-in Sewing Application Guide
- Built-in Help Messages
- Embroidery Stitch Count System – SCS
- Capability to save settings screen images

Downloadable Software

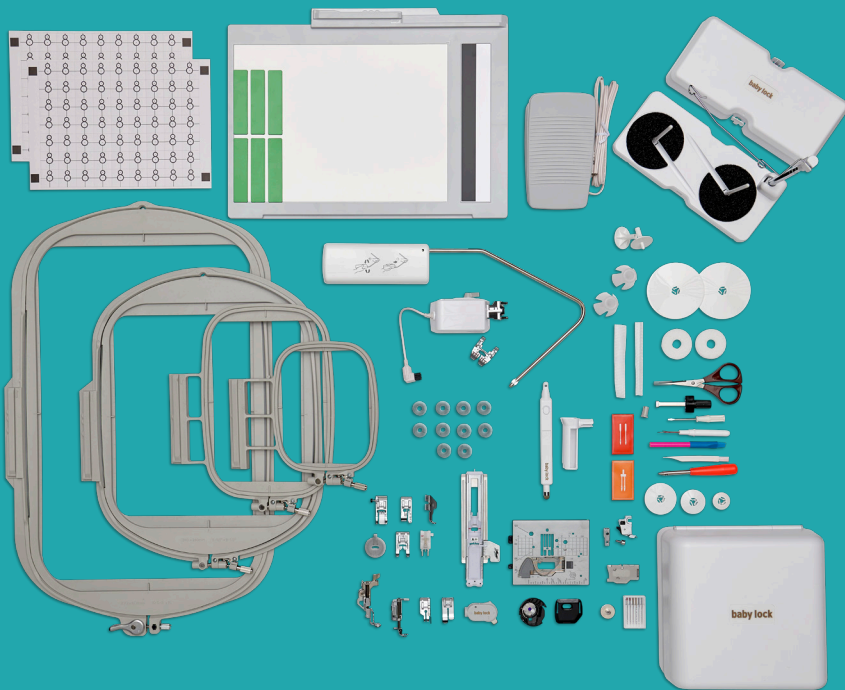
- Your Solaris will stay current with future upgrades/updates via USB.

Additional Information

- Language conversion capabilities (12 languages)
- Machine Hoop required space clearance 32" from front to back
- Warranty (25 years limited, 10 years parts, 5 years computer circuit, 5 years electrical, 1 year labor)

Solaris Included Accessories

- Dual Stylus and Holder
- Adjustable knee lifter with 3-position handle
- 14 Presser feet
 - o Digital Dual-Feed System Foot
 - o Embroidery foot "W"
 - o General purpose zigzag
 - o Blind stitch
- o Camera Detecting Buttonhole Foot with stabilization plate
- o Button fitting
- o Free-motion open toe quilting
- o Free-motion quilting
- o Free-motion echo
- o Monogramming
- o Overcasting
- o 1/4" Quilting foot with a guide
- o Straight stitch foot
- o Zipper
- Easy-lock accessory case for presser foot storage with 3 interchangeable trays
- 2 Thread king spool stand for larger cones
- Straight stitch needle plate
- Bobbin case and cover for embroidery
- Bobbin Covers with and without markings
- Alternate bobbin case for use with pre-wound bobbins
- Bobbin center pin
- Embroidery bobbin thread
- Bobbins
- Embroidery Positioning
- Stickers (2 Sheets)
- White needle calibration stickers
- Multi-position screwdriver
- Presser foot adaptor
- Seam ripper
- Scissors
- Eyelet Punch
- Spool net
- Foot control
- Twin needle
- Scanning frame with Magnets
- Embroidery hoops
 - o 10 5/8" x 16" (272mm x 408mm)
 - o 9 1/2" x 9 1/2" (240mm x 240mm)
 - o 5" x 7" (130mm x 180mm)
 - o 4" x 4" (100mm x 100mm)



Optional Accessories

- Love of Sewing Membership (BLSA-LOSM)
- Baby Lock Palette 11 Software (ECS11)
- Solaris Trolley Set (BLSATS)
- Solaris 30 foot kit (BLSAFTKIT)
- Extension table (BLSA-ET)
- Machine Cover (BL-COVERXL)
- Multifunction Foot Control (BLMA-MFC)
- W+ Needle Beam Foot (BLTY-EF)
- Embroidery Positioning Sheets (BLSO-EPS)
- Embroidery Bobbins (BLG-BOB)
- Baby Lock Stabilizer Precut Pack (BLT103-PPC)
- Baby Lock Stabilizer Trial Pack (BLSTP)
- Baby Lock Stabilizer Value Pack (BLS20KT)
- Baby Lock USB Flash Drive (BL4GB-USB)
- Embroidery card reader (BLECR)
- Baby Lock Ruler Foot (BL-HOTRF)
- Baby Lock Ruler Kits (BLRK-HSLA, BLRK2-HSLA, BLRK3-HSLA)
- Baby Lock Dress Form (BLDFS, BLDFM, BLDFL)
- Baby Lock Garment Steamer (BLSTEAMER)
- Baby Lock Love of Knowledge Membership (BLOK2, BLOK4)
- Additional embroidery hoops
 - o 10 5/8" x 16" (272mm x 408mm) hoop (EF99)
 - o 9 1/2" x 14" (240mm x 360mm) hoop (EF95)
 - o 9 1/2" x 9 1/2" (240mm x 240mm) hoop (EF97)
 - o 8" x 12" (200mm x 300mm) hoop (EF92)
 - o 6-1/4" x 10-1/4" (160mm x 260mm) hoop (EF81)
 - o 8" x 8" (200mm x 200mm) hoop (EF91)
 - o 6" x 6" (150mm x 150mm) hoop (BLMA-150)
 - o 5" x 7" (130mm x 180mm) hoop (EF84)
 - o 4" x 4" (100mm x 100mm) hoop (EF74)
 - o 1" x 2-1/2" (20mm x 60mm) hoop (EF73)
 - o Continuous Border Hoop 4" x 7" (100mm X 180mm) (BLSO-BF)
 - o Continuous Border Hoop 4" x 12" (100mm X 300mm) (BLMA-CBH)
- Embroidery Grids
 - o 10 5/8" x 16" (272mm x 408mm) grid sheet (EF100)
 - o 9 1/2" x 9 1/2" (240mm x 240mm) grid sheet (EF98)
 - o 5" x 7" (130mm x 180mm) grid sheet (EF79)
 - o 4" x 4" (100mm x 100mm) grid sheet (EF78)