BEAUTIFUL EMBROIDERY MADE SIMPLE.

All three BERNINA 7 Series models use intelligent design and unique innovations to make embroidering easier than ever. Simply switch to embroidery mode directly via the touch screen to easily position, mirror, rotate, combine and resize motifs. Place your design on the fabric exactly where you want it with Pinpoint Placement. Design editing offers a wealth of additional options, allowing you to create curved lettering effects, alter stitch density, and combine decorative stitches with embroidery designs or create beautiful, endless embroidery designs (B 790 PLUS only). With all models, complex combinations can even be resequenced according to colour, and alternative colour options can be reviewed before stitching out. The finished design can be saved directly on the machine or on a USB stick. What's more, additional designs can be imported to the machine via the USB port. The Check Function lets you see the design position before embroidering. The new embroidery module with BERNINA Smart Drive Technology (SDT) comes standard with the B 790 PLUS, and is available as an optional accessory for the B 770 QE PLUS and the B 735.
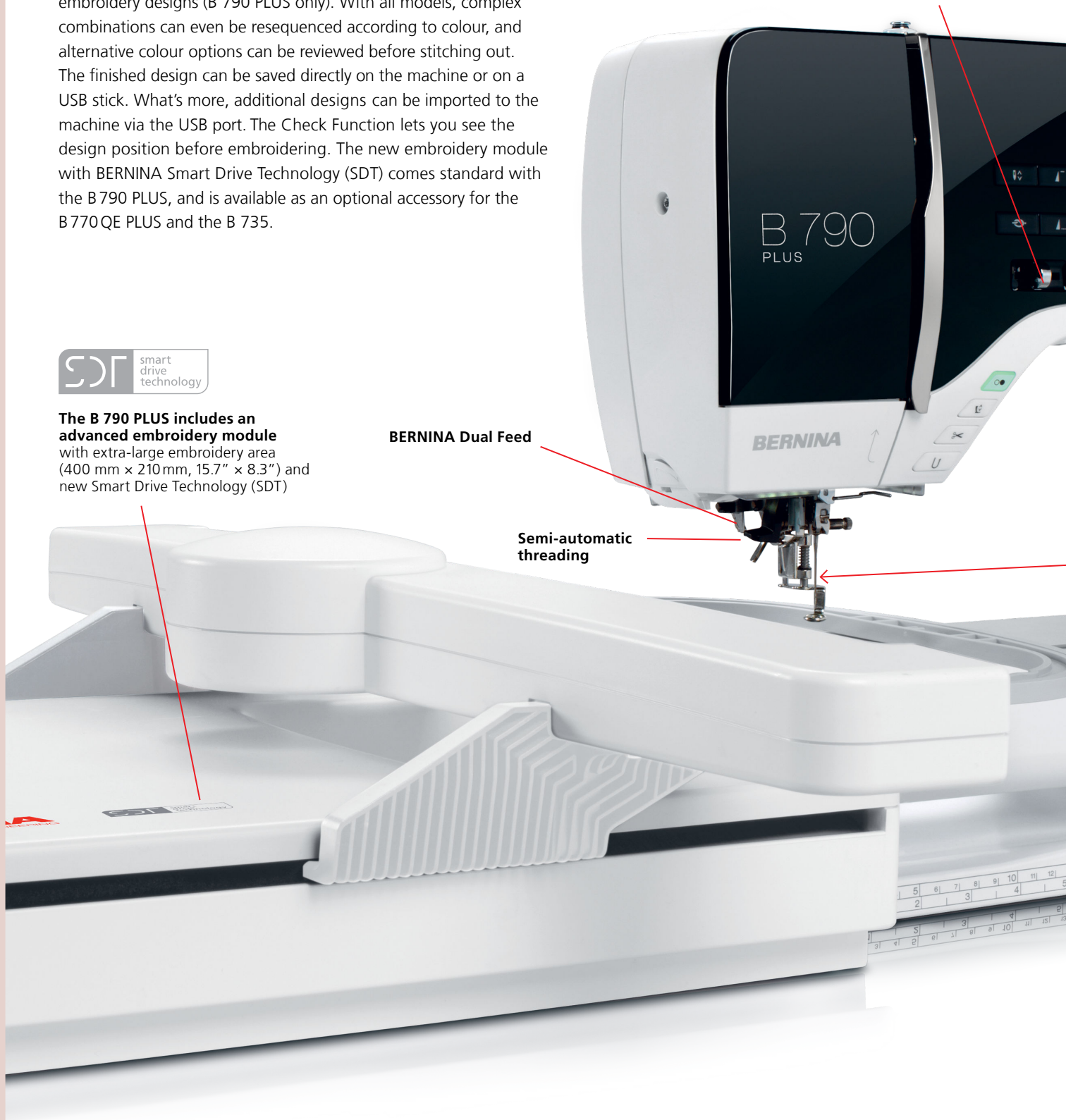
Slide speed control
Sewing and embroidery speeds up to 1,000 stitches per minute

SDT smart drive technology

The B 790 PLUS includes an advanced embroidery module with extra-large embroidery area (400 mm × 210 mm, 15.7" × 8.3") and new Smart Drive Technology (SDT)

BERNINA Dual Feed

Semi-automatic threading

BERNINA

Colour **7-inch display** with easy navigation and **modern touch screen** technology (e. g. Drag & Drop and Swipe functions)

Includes **Stitch Designer** and **BSR functionality**

Multi-function knobs

30 bright **LED lights**

A full 13-inch (330 mm) **extended freearm** including 10 inches (254 mm) of space to the right of the needle

BERNINA
SWISS ENGINEERING

BERNINA Free Hand System (FHS)

TIPS AND TRICKS

The Sewing and Embroidery Consultants and built-in tutorials offer direct on-screen support and answers to your questions whenever you need them.

CREATE YOUR OWN STITCHES (B 790 PLUS ONLY)

The B 790 PLUS features a unique and innovative function: the Stitch Designer. Create your own stitches by drawing your ideas right on the touch screen. With a click, the B 790 PLUS transforms your design into a stitch pattern or alters existing stitches as you wish. Save your very own stitch creations to expand your stitch library.

COLOUR WHEEL (B 790 PLUS ONLY)

Change designs easily and coordinate to your favorite colour scheme before you start embroidering. This makes it easy to choose the most beautiful colours for your embroidery project.

BERNINA HOOK

The heart of the BERNINA 7 Series features a novel, centrally placed driver, which allows the BERNINA Hook to run fast yet quietly. The BERNINA Hook sews high-precision stitches up to 9 mm in width (up to 5.5 mm on the B 735) with speeds up to 1,000 stitches per minute. The front-loading bobbin holds up to 70% more thread than standard bobbins, allowing you to sew longer without interruption.

Finally, the BERNINA Hook is made of high-quality materials that allow the thread to run smoothly at consistent tension.

BERNINA QUALITY

For over 125 years, BERNINA has been passionately committed to the development of premium sewing, quilting and embroidery machines. With Swiss precision at the heart of everything we do, we insist on building our products with high-quality materials to guarantee high performance that lasts and lasts.

The BERNINA 7 Series models offer a wealth of features that make sewing easier. Unique functions such as the semi-automatic threading system, the BERNINA Stitch Regulator (BSR) and the remarkable, easy-to-use embroidery system with an especially large embroidery area and Smart Drive Technology (SDT) are a testament to our unwavering spirit of innovation. The BERNINA 7 Series is visually stunning with its sleek, superior design – because we concentrate on sophisticated technologies as well as setting new standards in product design.

Speed control
Sewing and embroidery speeds up to 1,000 stitches per minute

Direct-selection buttons:
– Start/stop button
– Raise and lower presser foot
– Automatic thread cutter
– Reverse sewing

BERNINA Dual Feed
(Not available on the B 735)

Practical **extension table** included

Semi-automatic threading

Integrated embroidery function
Simply add the optional embroidery module with Smart Drive Technology (SDT) to the B 770 QE PLUS and B 735 to activate easy embroidery

BERNINA Hook with 9 mm stitch width (5.5 mm on the B 735) sews precise stitches at faster speeds while quieter than ever. The extra-large bobbin holds up to 70 % more thread than standard bobbins.
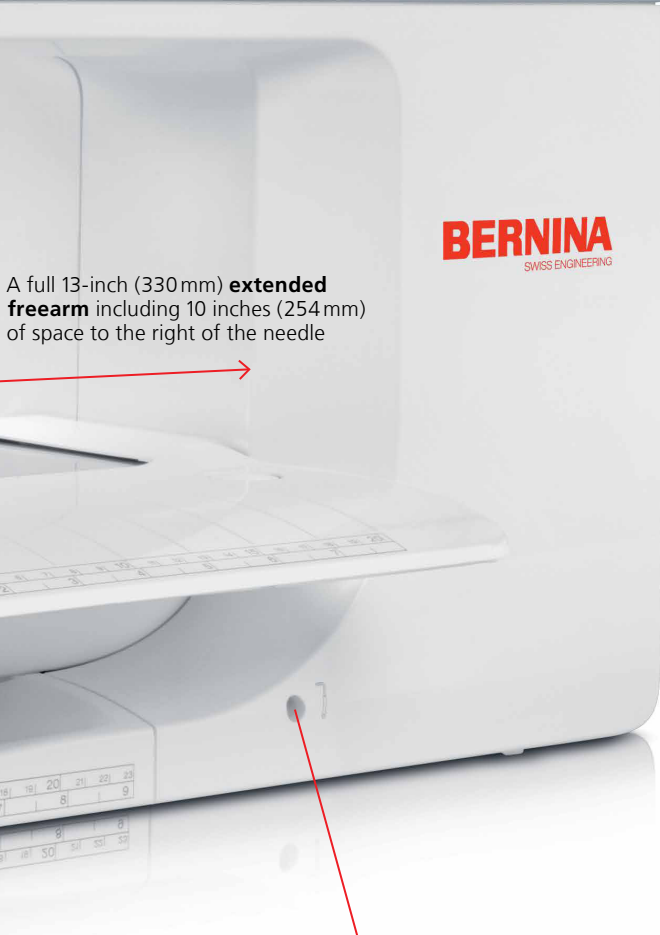
Easy navigation on a centrally located
7-inch colour touch screen

A full 13-inch (330 mm) **extended freearm** including 10 inches (254 mm) of space to the right of the needle

BERNINA
SWISS ENGINEERING

BERNINA Free Hand System (FHS)

B 735

BSR 3 Mode and Kickstart (B 770 QE PLUS)
BSR 3 Mode allows you to set your stitch length to 2 and 4 stitches per inch for easy quilt basting.

"I can count on BERNINA for all my precise stitching."

VALENTINA BUKEEVA, DESIGNER

Valentina Bukeeva, a native of Russia and resident of Finland, is the founder of an online school of modern sewing and quilting. When she made her first quilt 10 years ago, she never dreamt it would grow into a successful school for sewing enthusiasts from around the world. Today, her specialty is fashion accessories such as intricately quilted and embroidered bags sophisticated enough to be featured in fashion shows.
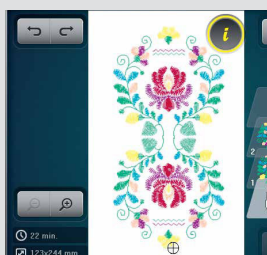
GREAT NEW SEWING AND
# EMBROIDERY FEATURES

ENHANCED EDITING
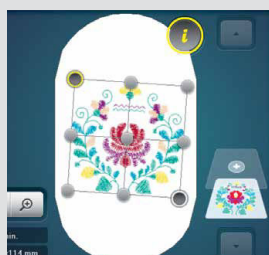
Pinpoint Placement
Place your design on the fabric exactly where you want it. No need to use the template anymore. Use the new lock function (B 770 QE PLUS/ B 735 only) to maintain the embroidery design size during the positioning.
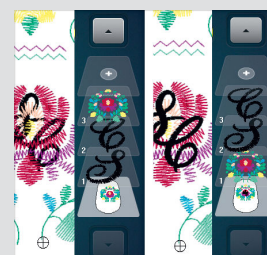
Undo & Redo
Simply undo or redo steps while editing or combining designs to return to your initial position (B 790 PLUS only).
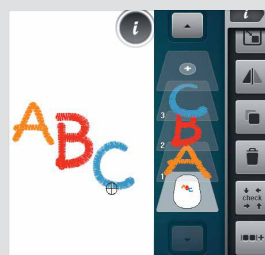
Group & Ungroup
Combine designs into a Group to edit all at one time. Ungroup easily to edit designs individually.
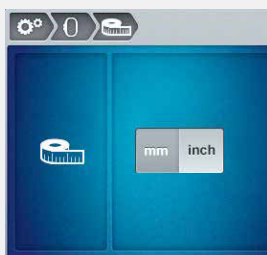
Rearrange
Change the stitch out sequence of design layers. Use Rearrange in combination with Group and Ungroup for further editing possibilities.
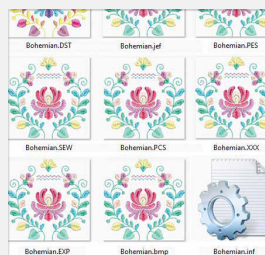
EASY TO USE

Embroidery Consultant
The consultant helps you to choose the correct foot, needle, thread and stabilizer according to your fabric to achieve the best results.*

Toggle between mm & Inches
The embroidery design size and the hoop dimensions can be shown in mm or inches.

Read Multiple Formats
Read most popular file formats: EXP, DST, PES, PEC, JEF, SEW, PCS, XXX.

TOTAL STITCH CONTROL
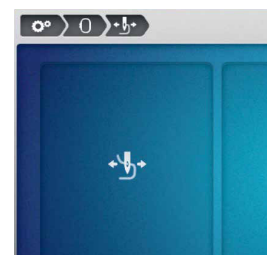
Thread Away Mode
Pulls the threads to the underside for clean embroidery results on the top. Program jump stitch length to manage thread cuts. Subject to design properties.

DESIGNS & ALPHABETS

Designs
A wide variety of embroidery designs including in-the-hoop projects and special technique designs.

Alphabets
Use the included embroidery alphabets to personalise your projects.

Quilting in the Hoop
Unique, built-in design collection, complete with beautifully patterned quilt blocks and continuous line quilting designs all done in embroidery (B 770 QE PLUS only).

Invisible & Smart Secure
Securing stitches become invisible as the tie-on/off stitches are sewn in stitch direction. Smart secure adds tie-on/off stitches to a design, if none are preset.

*B 790 PLUS and B 735 only

7 THINGS YOU'LL LOVE ABOUT
THE BERNINA 7 SERIES

THE BERNINA STITCH REGULATOR (BSR)

The 7 Series models are equipped with the BSR function. The BSR foot assists you with free-motion sewing and quilting with a straight or zigzag stitch, ensuring stitches of the exact same length even at variable sewing speeds. Beginners quickly gain confidence with the BSR, while experienced quilters acquire additional self-assurance. The BSR foot comes in the standard accessories package of both the B 790 PLUS and B 770 QE PLUS, and is optional with the B 735. The B 770 QE PLUS even offers three modes just for quilters. The BSR 3 mode allows you to set your stitch length to 2 or 4 stitches per inch for easy quilt basting.

EXTENDED FREEARM

The BERNINA 7 Series includes a meticulously engineered extended freearm with 10 inches (254 mm) of space to the right of the needle, providing you with ample space for big, beautiful sewing and embroidery projects. With their 9 mm stitch width, the B 790 PLUS and B 770 QE PLUS are ideally suited for decorative stitching, while the B 735 with its 5.5 mm stitch width is perfect for precise sewing projects and fine materials.

ENHANCED EMBROIDERY WITH SMART DRIVE TECHNOLOGY (SDT)

The extra-large embroidery module (optional with the B 770 QE PLUS and B 735) lets you stitch out larger motifs and includes the latest Smart Drive Technology (SDT). It elevates your embroidery experience with enhanced stitch quality, smoother and quieter movement and up to 55% higher embroidery speed.

BERNINA DUAL FEED

The innovative BERNINA Dual Feed tames hard-to-manage fabrics providing superb fabric feed and optimum visibility while sewing and quilting. Easy to engage when needed, the BERNINA Dual Feed tucks completely out of the way when it's not required. Not available on the B 735.

TOTAL STITCH CONTROL

All BERNINA 7 Series models provide an exclusive level of stitch control. Whether you are altering stitch length, stitch width or needle position, the machine will remember the details for you. Your personal settings can be saved and retrieved and the USB interface allows you to import and export stitches and stitch patterns or combinations.

BERNINA ADAPTIVE THREAD TENSION

The BERNINA Adaptive Thread Tension, a BERNINA innovation, provides ideal thread tension while sewing to achieve perfect stitch quality on both sides of the fabric. Once the tension is set according to the thread and fabric used, BERNINA Adaptive Thread Tension will constantly check the thread tension, adjusting it automatically when needed. The result is the finest stitching without pressing a button.

SEW WITH EVEN GREATER EASE

The B 790 PLUS, B 770 QE PLUS and B 735 accomplish many tasks all by themselves. The presser foot lowers automatically at the beginning of a seam. Threading is semi-automatic, and the thread is cut automatically when you reach the end of a seam, or when you wish to change colours while embroidering. Moreover, a practical extension table, which significantly increases your work area, is included in the standard package.

General Information	B 735	B 770 QE PLUS	B 790 PLUS
Hook system	BERNINA Hook	BERNINA Hook	BERNINA Hook
Maximum sewing speed (stitches per minute)	1,000	1,000	1,000
Space to the right of the needle	10 inches	10 inches	10 inches
Colour touch screen	7 inches (NEW)	7 inches (NEW)	7 inches
LED sewing light	30 LED lights	30 LED lights	30 LED lights
Maximum stitch width	5.5 mm	9 mm	9 mm
Maximum stitch length	6 mm	6 mm	6 mm
Needle positions	11	11	11
Sewing in every needle position	✓	✓	✓
Number of spool holders	2	2	2
Semi-automatic needle threader	✓	✓	✓
Adjustable presser foot pressure	✓	✓	✓
Automatic thread cutter	✓	✓	✓
Manual thread cutters	3	3	3
BERNINA Dual Feed	–	✓	✓
BERNINA Adaptive Thread Tension	✓	✓	✓
Memory (short-term/altered stitches)	✓	✓	✓
Memory (long-term/altered stitches)	✓	✓	✓
Create and save stitch combinations	✓	✓	✓
BERNINA Stitch Regulator (BSR) functionality (straight stitch and zigzag)	✓	✓	✓
BSR 3 mode (basting)	–	✓ (NEW)	–
Start/stop button (stitching without foot control)	✓	✓	✓
Slide speed control	✓	✓	✓
Upper thread sensor	✓	✓	✓
Lower thread sensor	✓	✓	✓
USB interface for PC connection	✓	✓	✓
Import/export stitches and stitch patterns via USB	✓	✓	✓
Multi-function knobs	✓	✓	✓
Changing stitch settings while sewing	✓	✓	✓
Programmable BERNINA foot control	–	✓	✓
Needle stop up/down	✓	✓	✓
Bobbin winding while sewing/embroidering	✓	✓	✓
On-screen help	✓	✓	✓
Sewing Tutorial	✓	✓	✓
Creative Consultant	✓	✓	✓
Personal program	✓	✓	✓
History function (previously used stitch patterns)	✓ (NEW)	✓ (NEW)	✓
Setup program	✓	✓	✓
Eco mode	✓	✓	✓

Sewing and Quilting	B 735	B 770 QE PLUS	B 790 PLUS
360° directional sewing	–	–	✓
Sideways motion feed	–	–	✓
Stitch Designer	–	–	✓
Pattern start/end function	✓	✓	✓
Connecting stitches	–	–	✓
Triple Stitch	✓ (NEW)	✓ (NEW)	–
Elongation	✓	✓	✓
Securing function	✓	✓	✓
Total number of stitch patterns (incl. alphabet)	1,255 (NEW)	1,809 (NEW)	1,352
Utility stitches total	32 (NEW)	38 (NEW)	32
Buttonholes (incl. eyelets) total	15 (NEW)	18 (NEW)	15
Automatic buttonhole length measuring system	✓	✓	✓
Automatic buttonhole	✓	✓	✓
Manual multi-step buttonhole	✓	✓	✓
Button sew-on program	✓	✓	✓
Darning programs	2	2	2
Decorative stitches total	350 (NEW)	500 (NEW)	506
Decorative sideways motion stitches total	–	–	117
Quilting stitches	29 (NEW)	74 (NEW)	34
Sewing alphabets	6 (NEW)	9 (NEW)	8
Monogram (with sideways motion)	–	–	✓

Standard Sewing and Quilting Accessories	B 735	B 770 QE PLUS	B 790 PLUS
BERNINA presser feet included	5	7	10
Reverse Pattern Foot #1/1C	✓	✓	✓
Dual Feed Reverse Pattern Foot #1D	–	✓	✓
Overlock Foot #2A	–	–	✓
Buttonhole Foot with Slide #3A	✓	✓	✓
Zipper Foot #4/4D	✓	✓	✓
Blindstitch Foot #5	–	–	✓
Jeans Foot #8/8D	✓	–	✓
Open Embroidery Foot #20/20C	✓	✓	✓
Sideways Motion Foot #40C	–	–	✓
Patchwork Foot #97D	–	✓	–
BERNINA Stitch Regulator (BSR)	–	✓	✓
BERNINA Free Hand System (FHS)	✓	✓	✓
BERNINA slide-on Freearm Extension Table	✓	✓	✓
Dust Cover	✓	✓	✓
Accessory Box	✓	✓	✓

Embroidery	B 735	B 770 QE PLUS	B 790 PLUS
NEW Large embroidery module with Smart Drive Technology (SDT)	optional	optional	✓
Maximum embroidery field	400 × 210 mm 15.7" x 8.3"	400 × 210 mm 15.7" x 8.3"	400 × 210 mm 15.7" x 8.3"
Maximum embroidery speed (stitches per minute)	1,000	1,000	1,000
Built-in embroidery designs	250 (NEW)	275 (NEW)	332
Embroidery alphabets	6 (NEW)	8 (NEW)	18
Embroidery design format	EXP, DST, PES, PEC, JEF, SEW, PCS, XXX		
On-screen editing of designs: positioning, mirroring, rotating, scaling, combining	✓	✓	✓
Pinpoint Placement (NEW: B 770 QE PLUS and B 735 incl. lock function)	✓ (NEW)	✓ (NEW)	✓
Endless embroidery	–	–	✓
Undo/Redo	–	–	✓
Group/Ungroup	✓ (NEW)	✓ (NEW)	✓
Rearrange embroidery designs in combination	✓ (NEW)	✓ (NEW)	✓
Colour Wheel	–	–	✓
Invisible Secure	✓	✓	✓
Smart Secure	✓	✓	✓
Thread-up Command	✓	✓	✓
Programmable jump stitch cutting	✓	✓	✓
Thread Away Mode	✓	✓	✓
WordART	–	✓ (NEW)	✓
Personal memory for embroidery designs	✓	✓	✓
Importing stitch patterns	✓	✓	✓
Freearm embroidery	✓	✓	✓
Colour resequence	✓ (NEW)	✓ (NEW)	✓
Sequence control	✓	✓	✓
Basting in the hoop	✓	✓	✓
Position recall	✓	✓	✓
Embroidery Tutorial	✓	✓	✓
Embroidery Consultant	✓ (NEW)	–	✓
Automatic hoop recognition	✓	✓	✓
Midi Hoop functionality (embroidery field: 265 × 165 mm, 10.5" × 6.5")	✓	✓	✓
Mega Hoop functionality (embroidery field: 400 × 150 mm, 15.7" × 5.9")	✓	✓	✓
Maxi Hoop functionality (embroidery field: 400 × 210 mm, 15.7" × 8.3")	✓	✓	✓
Jumbo Hoop functionality (limited embroidery field: 400 × 210 mm, 15.7" × 8.3")	✓	✓	✓
BERNINA Embroidery Software compatible	✓	✓	✓
BERNINA PunchWork Tool compatible	–	✓	✓

Standard Embroidery Accessories (included with Embroidery Module)	B 735	B 770 QE PLUS	B 790 PLUS
Embroidery Presser Foot #26	✓	✓	✓
Embroidery Hoop Large Oval with template (255 × 145 mm, 10.0" × 5.7")	✓	✓	✓
Embroidery Hoop Medium Oval with template (130 × 100 mm, 5.1" × 3.9")	✓	✓	✓
Embroidery Hoop Small Oval with template (72 × 50 mm, 2.8" × 2")	✓	✓	✓
BERNINA Embroidery Software ArtLink (download at bernina.com)	✓	✓	✓

We reserve the right to make changes to machine features, equipment and design. Additional information is available at your local BERNINA store.

bernina.com/7series

made to create BERNINA

BERNINA recommends threads from Mettler