








Designer Diamond Royale™

Top Features

-  **New Techniques in sewing and embroidery**
-  **Interchangeable Dual Feed included**
-  **deLuxe™ Stitch System**
-  **Ultimate Interactive Screen**
-  **Exclusive Sensor System™**

Note: For more details about the Top Features, look for the  symbol.

Brilliant Innovation

NEW TECHNIQUES IN SEWING AND EMBROIDERY

Even more creative choices right on the screen.

- A patent-pending stitch technique, Dimensional Stitches, creates stitches where you add fabric and/or pop-ups for a unique decorative and dimensional effect.
An industry first HUSQVARNA VIKING® DESIGNER DIAMOND *Royale*™ exclusive stitch menu and 26 new stitches for more creative opportunities.
- With Design Appliqué you can create appliqués right on the screen in your machine, no extra software required. Choose from a variety of different shapes – all built-in, such as: heart, flower, letters and six different stitches. Endless combinations just waiting to be created.

deLuxe™ STITCH SYSTEM

Less time and effort spent on machine adjustments with high quality results regardless of fabric and thread type. Perfect for metallic, sliver or other specialty thread, this means gorgeous stitch result on both sides of the fabric.

- Thread Portioning feeds the optimum amount of thread for each stitch no matter what thread type or fabric thickness when sewing or embroidering.
- You can select Thread Tension for specific techniques and/or accessories.

ULTIMATE INTERACTIVE SCREEN: BETTER THAN EVER.

Easy to navigate through various screens for sewing, editing, and embroidery.

- Large (174x104 mm, 8") full-color touch screen with wider 180° view and higher resolution (800 x 480).
- Re-designed graphic interface delivers optimum intuitive experience. Designed by sewers for sewers.

INCREASED EMBROIDERY SPEED

The perfect time-saver for every embroidery.

- Your DESIGNER DIAMOND *Royale*™ reduces your embroidery time by 20% or more*.

**Compared to the DESIGNER DIAMOND deLuxe™ machine. Actual time depends on hoop and embroidery type.*

STRAIGHT STITCH PLATE AND SENSOR

The perfect help for straight stitch sewing with any special accessory.

- Attach the Straight Stitch Plate and the machine sensor alerts you if you select any stitch other than a straight stitch. No need to worry about damaging needles anymore.

DESIGN POSITIONING

Always know exactly where your embroidery is placed without having to use templates.

- Match your embroideries perfectly every time with endless opportunities.
- Design Positioning Wizard makes it so easy.

SOFTWARE INCLUDED WITH THE MACHINE

*Download the software from www.husqvarnaviking.com to communicate from your computer to your DESIGNER DIAMOND *Royale*™ sewing and embroidery machine.*

- Organize your designs, add trim commands, create image files, print catalogs and more.
- Create embroidery fonts from any true type font on your computer using the QuickFont program.

DESIGNED AND ENGINEERED IN SWEDEN

HUSQVARNA VIKING® brand has developed superior quality sewing machines with cutting-edge technology for over 140 years.



Brilliant Capability

OUR MOST GENEROUS EMBROIDERY AREA

With the optional DESIGNER™ Majestic Hoop you can create and embroider larger than life designs up to 360x350mm without re-hooping.

- Three embroidery hoops included (DESIGNER™ Splendid Square Hoop 120x120, DESIGNER™ Crown Hoop 260x200, DESIGNER™ Royal Hoop 360x200).
- Several optional hoops available for special techniques like endless embroideries, quilting, textured embroideries and much more.
- HUSQVARNA VIKING® is constantly developing new hoops and accessories for various techniques.

EXTRAORDINARY SEWING SURFACE

Sew large quilts, home dec projects and garments easily.

- Long free arm for ease of sewing, nearly 10" (250 mm) work area.

DESIGNER SELECTION

Endless opportunities to be creative.

- Over 1100 stitches, for utility, quilt and decoration, from 7mm to 50mm wide.
- 6 sewing alphabets, with both upper and lower case letters, for easy programming.
- 380 embroidery designs.
- 4 embroidery alphabets, in three different sizes with both upper and lower case letters.

EMBROIDERY DESIGN EDITING WITH ENDLESS OPPORTUNITIES

Enhance your embroidery experience and make it easier than ever.

UNDO/REDO IN EMBROIDERY EDIT

- Time saving feature to assist you when creating or editing a design combination.

RESIZE

- Enlarge or reduce an embroidery design to the exact size you need.
- Recalculates the number of stitches so the resized embroidery has best density.
- Choose Retain Fill Type and keep the original fills as the design is resized.

EXTENDED DESIGN SHAPING

- Create new embroideries using any stitch and/or embroidery designs.

TAPERING IN THE HOOP

- Create tapered stitch combinations in the hoop to create borders and more.

EMBROIDER BUTTONHOLES AND DECORATIVE STITCHES IN THE HOOP

- Choose and combine any of the built-in buttonholes and decorative stitches in the hoop to embroider perfectly placed buttonholes and stitches on your project.

CHANGE STITCH OUT ORDER

- Select several embroidery designs to move or adjust and embroider in one hooping, they don't even have to be in order. After you're done with your editing - you just select which order you want to stitch them out.

DESIGN SELECT PLUS GROUP AND UNGROUP

- Quickly select one or many embroideries for editing and personalization.
- Create a group of selected designs on screen for editing.

COLOR BLOCK SORT AND COLOR BLOCK MERGE

Intelligently sorts equal colors in a sequence for easy handling.

- Eliminate color stops in any designs.



Brilliant Convenience

INTERCHANGEABLE DUAL FEED INCLUDED

No matter what type of fabric, it has never been easier to keep your fabrics in place.

- The Interchangeable Dual Feed with changeable presser feet is designed to feed layers of fabric and/or batting evenly.
- It is perfect for quilting, sewing velvet, stretch fabrics, leather and fabrics that need precise pattern matching.

EXCLUSIVE SENSOR SYSTEM™

Automatically and continuously senses and adjusts as you sew any thickness of fabric for perfect, even feeding.

SENSOR FOOT LIFT

- Presser foot lowers and raises automatically for every sewing technique.
- Four positions: down, pivot, up and extra lift.
- Automatically lowers feed teeth on extra lift for maximum space to slide thick fabrics and quilts under the foot easily.

SENSOR FOOT PIVOT

- Stop with the needle down, the foot senses the thickness of the fabric.
- Automatic float position for instant pivoting, easy appliqué and quilting.
- Your hands are free to guide the fabric.

SENSOR FOOT PRESSURE

- The Presser Foot senses the thickness of the fabric and automatically adjusts the presser foot pressure.

EXCLUSIVE SEWING ADVISOR® FEATURE

Select fabric type and sewing technique, and the Exclusive SEWING ADVISOR® will instantly set everything for you, expert advice right on the screen.

- It sets the best stitch, stitch width, stitch length, thread tension /portioning and presser foot pressure.
- The stitch is displayed with the recommended presser foot, needle size and type on the Ultimate Interactive Screen.
- Extended SEWING ADVISOR® provides more fabric and technique information.

EXCLUSIVE HUSQVARNA VIKING® EMBROIDERY ADVISOR™ FEATURE

Select fabric type and the exclusive EMBROIDERY ADVISOR™ Feature provides recommendations for beautiful embroidery results!

- Offers suggestions for needle, stabilizer, top and bobbin thread.
- Includes tips for embroidering with specialty fabrics and specialty threads.

SMART SAVE

If you loose power or need to stop embroidering, all adjustments are automatically saved.

- Choose to automatically save and your DESIGNER DIAMOND Royale™ will remember your place in your current embroidery if your embroidery is interrupted.
- Choose to manually save your place whenever you want.

AUTOMATIC JUMP STITCH TRIM

Eliminate trimming time as you create beautiful embroideries.

- Cuts your embroidery jump stitches automatically and pulls the thread tail to the back side of the fabric for quick finishing.
- The machine is also equipped with a selective thread cutter, which cuts only the top thread at each color change for quick and easy thread change.

BUILT-IN SUPPORT

Instant on-screen explanation.

- Quick Help: Touch any stitch, icon or function to see its name and description.
- Information menu displays illustrated information, Text, Index and Category help.

ADJUSTABLE E LIGHT™ SYSTEM

The best lighting for your sewing environment and fabric color.

- See fabric and stitches in true color.
- Adjust intensity and color tone, giving optimum light for sewing.

USB CONNECTION

Two USB ports allow for smooth transfer of Designs and Updates.

- Your machine is always up to date, find the latest software version on the Internet.
- For your convenience, the DESIGNER DIAMOND Royale™ machine also reads the most popular design formats.

