SINGER® | Futura™

Model CE-250

General Features	Benefits
3 Stay-Bright™ LED Lights	A well-lit sewing area makes all your sewing more precise. Sewing is also more pleasurable because the well lighted sewing area reduces eye-strain often caused by working in low lighting.
Automatic Needle Threader	Effortless threading of the machine, including automatic threading of the eye of the needle!
Automatic Tension	This system ensures stable stitch quality when straight stitching for all fabric types
Top Loading Jam-Proof Bobbin System with Clear Cover	This mechanism incorporates a rotating hook that ensures smooth, quiet jam-proof sewing. The bobbin loads from the top so it is easy to insert the bobbin. The clear cover makes it effortless to monitor the bobbin thread supply.
Optimum Power Control	The Optimum Power Control provides precise piercing power when sewing multiple layers or dense fabric.
Drop Feed	A conveniently located lever will lower the feed dogs for machine embroidery, monograms and attaching buttons.
Extra-High Presser Foot Lifter	There are two heights to the presser foot lifter. The second height offers ¼" more clearance which is helpful when placing multiple layers of fabrics under the presser foot.
Vertical Spool Holder	In addition to the machine's horizontal thread delivery, a second vertical spool holder is provided at the back of the machine for larger spools of thread.
Self Lubricating	Because the machine is permanently lubricated, there is no need to oil the machine, and no oil gets on fabric.
Warning Signals	Audible warning messages alert the sewer, ensuring trouble-free sewing.
Heavy Duty Metal Frame	This rigid support holds all the mechanisms in perfect alignment for skip-free sewing and durability.

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On Board Storage	Sewing accessories are always within easy reach.
25 Year Limited Warranty	25 year limited warranty, including 5 years on electronic components and 1 year on adjustments.
Sewing Machine Features	**Benefits**
Electronic Sewing Machine	Sewing machine has push button stitch selection. This means that the optimal settings for length and width are automatically set when choosing a stitch. They can be overridden to personalize length and width choice.
100 Stitch Patterns	A large variety of stitches for construction, decorative sewing, heirloom sewing and quilting always ensures the perfect stitch for every project.
Twin Needle Function	Automatically reduces the stitch width on decorative patterns to prevent needle breakage when sewing with a twin needle.
Built-In Heirloom-Friendly Stitch Selections	Pin Stitch, Double Hem Stitch and Entredeux are a few of the popular heirloom stitches available
7mm Stitch Width	Most stitches can be set for a maximum width of 7mm. When sewing decorative stitches or satin stitches, the wide stitches are bolder and more pronounced.
6 Fully Automatic 1-step Buttonholes	Buttonhole sewing is a simple 1-step process that provides reliable results. The sides of the buttonhole are sewn in the same direction to prevent gaps in stitching or fabric distortion.
Buttonhole Under Plate	This is a SINGER® developed system that sandwiches fabric between a lower plate and the foot, to ensure perfect buttonholes on multiple layers of fabric as well as delicate and stretch fabrics.
Programmable Needle Up and Down	Select whether the needle is in up or down position when the machine stops. It is beneficial to have the needle stop in the *down* position when appliquéing, quilting or pivoting fabric. When removing fabric or picking the bobbin thread up, program the needle to raise to the highest position.

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13 Needle Positions	Needle position can be changed for individual projects such as inserting zippers, cording and topstitching.
Embroidery Features	**Benefits**
Connects Directly to the Computer via USB Cable	First machine to connect directly to the computer, eliminating the need for conversion boxes or tools. This unique innovation gives you the same capabilities of other embroidery machines at a fraction of the cost.
Windows® Compatible	Operates with any computer with an Operating System of Windows® 2000 or higher, including Vista®.
Operational Tutorial Included	Step-by-step tutorial to help even a beginner with using the embroidery features of the machine.
Customer Support Site	Convenient, online help is always there when needed. **www.futura-support.com**
Auto-Punch™ Software Included	Automatically digitize custom embroidery using clip art with control over stitch settings.
120 Built-in Designs	Select from built-in designs including animals, holidays, flowers and more.
New: Built-in Lettering Program with 5 Fonts	Select from 5 built-in fonts: Arial Large, Block Large, Courier, Script 2 and Times Large. Letters can resized, rotated and shaped with 30 lettering frames such as arc, banner, wave and more
New: Outline Lettering	Outline lettering with a running stitch or satin stitch outline
Reads All Popular Home Embroidery Design Formats	All popular formats accepted. Download designs from the Internet or work from a collection on CD or floppy disk.
Design Browser	This function of the software provides for viewing several designs at one time, in order to scroll through and view design collections.
3-D Realistic View	This function of the software provides a preview of the selected design in a manner such that the stitches appear on screen as they will when sewn out on the fabric.
3-D Realistic Print	This function of the software provides for printing the 3-D realistic view. This is useful when creating placement templates.
Change Colors	Software includes thread charts, with color numbers, for several of the most popular brands of embroidery thread.
New: Transmit Design 4 Ways	Embroidery designs can be transmitted to the Futura embroidery machine 4 different ways: 1. one color block at a time 2. the whole design at one time 3. the design can be sent in one color or 4.the color sequence can be chosen during data transmission

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New: Trace Design	Trace the outline of the design in the embroidery hoop for more accurate design positioning.
Operates with Start/Stop Button	No need to use the foot pedal to start and stop embroidery projects
New: Embroidery Block Indication and Selection	When sending the whole design at once to the Futura machine, design color blocks are indicated on the control panel display. To select a block push numerical selection button.
Move Forward or Backwards Through a Design	Move forward or backwards through the design using the Needle Stop position button or Reverse Stitch button.
1 Degree Increment Rotation	Rotate embroidery designs in increments as small as 1 degree for precise positioning.
Reduce or Enlarge Design	When changing design size, the software automatically recalculates the stitch density.
New: Automatic Software Updates	The latest software enhancements can be downloaded automatically or manually from the Futura software
New: Automatic Firmware Updates	The latest machine firmware enhancements can be downloaded automatically or manually from the Futura software.
2 Embroidery Hoops Included	A large 4½" x 6¾" hoop and a smaller 3⅛" x 4¾" hoop
New: CD Video Tutorial Workbook available as optional purchase	A Compact Disk Video Tutorial/Workbook for the Futura embroidery software is available. This CD tutorial helps guide you through use of the Futura software system operation and design creation. It also provides projects for embroidery and sewing on the Futura machine.
New: 4 Optional Software Packages Available	Choose from new, enhanced versions of HyperFont™, Auto Cross-Stitch™ and PhotoStitch™. There is also a new advanced Editing software.

SINGER | CE-250 Stitch Chart

Basic

Stretch

Buttonhole

Decorative