

brother®

BROTHER  
EMBROIDERY  
SYSTEMS



# BES-1230AC

THREE HEAD 12 NEEDLE ELECTRONIC EMBROIDERY SYSTEM



## We build what we sell.

Since designing our first industrial sewing machine in 1928, Brother has enjoyed a reputation for innovation. We incorporated years of industrial sewing machine knowledge and engineering expertise into our line of computerized embroidery equipment. Case in point: The exclusive automatic oiling system found on our 1210 and 1230 models revolutionized the industrial sewing machine market when Brother introduced it more than 70 years ago. And, the jumbo bobbin technology, another Brother first, which has performed to the highest standards of excellence for more than 40 years is found on all Brother computerized embroidery equipment.



World-class engineers and designers staff Brother's state-of-the-art Research & Development Center where they are constantly designing and refining embroidery technologies to solve embroidery manufacturing challenges.

## BES-1230AC features:

- 3-head cylinder arm machine
- 12 needles
- Automatic color change
- Quick-change 270° cap system
- Jumbo bobbin
- Cam-driven, single presser foot for fast, quiet operation
- Noise reduction feed mechanism
- Automatic lubrication system
- Automatic top and bottom thread trimmers
- Maximum sewing speed of 1,000 rpm
- Adjustable tubular frame holder
- Narrow machine design: machine will fit through a 32" door opening (with table assemblies removed)
- Trace mode for verifying location of designs before sewing
- Built-in 3.5" floppy disk drive enables the machine to run as an independent stand-alone unit and able to read all popular embroidery machine formats
- Machine memory of 16 designs (a total of 280,000 stitches)
- Back up or move forward through the design in increments of 1, or 100 stitches or by color changes

- Capable of sewing flat, tubular and finished cap items
- Memory retention after machine shut-off





# Brother's Innovations. Your Tools for Success.



## AUTOMATIC LUBRICATION SYSTEM

Brother's unique wick oiling system significantly reduces machine maintenance downtime. Oil is poured into a conveniently located reservoir on the machine and a wick that is threaded through the internal workings of the sewing head delivers oil when and where it is needed, eliminating the time-consuming task of oiling numerous, hard-to-reach locations.



## SINGLE, CAM-DRIVEN PRESSER FOOT

Developed by Brother, the cam-driven presser foot allows the machine to run faster and quieter. The precise movement of the cam reacts faster than the previous spring-loaded technology and reduces the noisy pounding of the presser foot on the throat plate. The single presser foot also facilitates increased machine speed and less maintenance.



## JUMBO BOBBIN

Maximize system productivity with fewer bobbin changes with the larger capacity, jumbo "M" style bobbins. Brother perfected the performance of the jumbo bobbin by designing the cams and gears inside the sewing head to accommodate the longer rotation of the larger bobbin.



## EASY-TO-USE CONTROL PANEL

Start sewing faster with the simple, logical commands found on the control panel. For example, the hoop feed button moves the pantograph out from under the needles for trouble-free applique placement and easier loading and unloading of hoops.



## MEMORY RETENTION

Resume stitching a partially complete design after the machine has been turned off, unplugged or even after power failure. Shut the machine off to work with a customer, go home for the evening or even move the machine across town and never lose a stitch or go off registration—another Brother first.



## INDIVIDUAL CAP FRAME ADJUSTMENT

Adjust the center point of the cap on each head independently while it's in the frame and mounted on the machine. Eliminate off-center designs and time-consuming framing adjustments with this advanced cap frame driver design.



# BES-I230AC

THREE HEAD 12 NEEDLE  
ELECTRONIC EMBROIDERY SYSTEM

## PRODUCT SPECIFICATIONS:

Machine type: 3-head cylinder arm	Large sewing field for: X-axis "width" Y-axis "height"
Number of needles: 12 per head	Flat: 600mm (23.6") 300mm (11.8")
Maximum sewing speed: 1,000 rpm	Tubular: 480mm (18.9") 300mm (11.8")
Network capability: Connect multiple machines to one computer for networking	Wide area caps: 360mm (14.2") 85mm (3.3")
Stitch length: (0.1mm - 12.7mm)(2.0 SPI - 254 SPI)	Power source/consumption: Single phase 200V, 220V, 230V, 240V
Rotary hook: Jumbo "M" style bobbin	Dimensions: At delivery: 3,360 (W) x 760(L) x 1,500(H) mm 132" (W) x 30"(L) x 59"(H)
	After setup: 3,980 (W) x 1,120(L) x 1,500(H) mm 157"(W) x 44" (L)x 59"(H)
	Weight: 620 kg. / 1,364 lbs.

## OPTIONS AND ACCESSORIES ACCOMMODATE A WIDE VARIETY OF EMBROIDERED GOODS

### QUICK CHANGE ADJUSTABLE TUBULAR FRAME HOLDER

Two piece tubular frame holder  
adjusts for different size frames.



### QUICK CHANGE CAP FRAME (optional)

New "Quick Change" cap frame  
allows rapid change from cap to  
tubular sewing.

### RIGHT TABLE

Table provides room for hooping or  
other operations.



### FLAT TABLE

Three piece (one per head) table for  
supporting flat items.

### ADJUSTABLE FLAT TABLE

Adjustable single piece table for  
supporting flat items.



### BORDER (SASH) FRAME (optional)

Frame for sewing unfinished  
goods for patches or all-over  
embroidery patterns.

Product specifications are subject to change for improvement without notice. Please read instruction manual before using the machine for safety operation.

# brother®

**BROTHER INDUSTRIES, LTD.**  
**Industrial Sewing Machines Div.**

1-1,1-chome, Kawagishi, Mizuho-ku, Nagoya 467-8562, Japan.  
Phone:(052)824-2177 Fax:(052)811-7789 <http://www.brother.com/>