

BARUDAN'S BEMS SERIES OFFERS THE ADVANCED TECHNOLOGY NEEDED TO TAKE ADVANTAGE OF THE GROWING MARKET FOR EMBROIDERY.



- BUILT-IN 3.5" FLOPPY DISK DRIVE
- LARGE MEMORY
- LCD DISPLAY
- MENU SELECTION



Barudan



The Future of Embroidery is Now.

BEMS series

[BEMS-YF/YS
BEMSH-YF/YS]

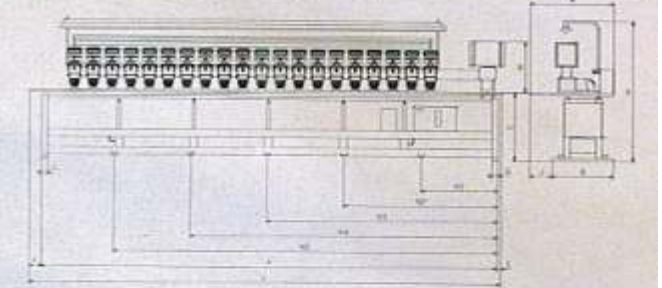
BEMS

MACHINE MAIN DIMENSIONS

MODEL	Embroidery Area (Alternate Head)	DIMENSIONS (mm)			A	B	C	D	E	F	G	J	M	N1	N2	N3	N4	N5
		L	W	H														
BEMS-8	320x380	4150			3950									1975				
BEMS-10	320x380	4810			4700									1175	2350	3525		
BEMS-10	320x480	5810			5620									1124	2248	3372	4495	
BEMS-12(WF)	320x300(600)	5030			4900									1200	2400	3600		
BEMS-12	320x320	4760	1075	1775	4550	780	880	75	45					1140	2275	3410		
BEMS-12	320x380	5670			5450						75	280	440	1362.5	2725	4087.5		
BEMS-15	320x320	5710			5510									1102	2204	3305	4405	
BEMS-17(WF)	320x240(480)	5330			5100									1020	2040	3060	4080	
BEMS-17	320x320	6350			6150									1165	2050	3010	3970	5010
BEMS-20(WF)	320x240(480)	6050			5850									885	1860	2845	3915	4880

SPECIFICATIONS

MODEL	Number of Needles per Head	Needle Spacing (mm)	Continuous Design (mm)	Offset	Continuous Design (mm)	Stitch Length (mm)	Speed	Motor Capacity	Power Supply	Power Consumption
BEMS-8		380	320x380	100	320x3040					
BEMS-10		380	320x380	100	320x3800					
BEMS-10		480	320x480	0	320x4800					
BEMS-12(WF)	YF—5	300	320x300(600)	0	320x3600	0.1-12.7	200-900 (rpm)	550W	AC200V, 220V, 345V, 380V, 400V, 415V, 1 & 3phase, 50Hz-60Hz	1.2W
BEMS-12		320	320x320	30	320x3840					
BEMS-12		380	320x380	100	320x4880					
BEMS-15	YS—7	320	320x320	30	320x4800					
BEMS-17(WF)		240	320x240(480)	0	320x4080					
BEMS-17		320	320x320	30	320x6440					
BEMS-20(WF)		240	320x240(480)	0	320x4800					



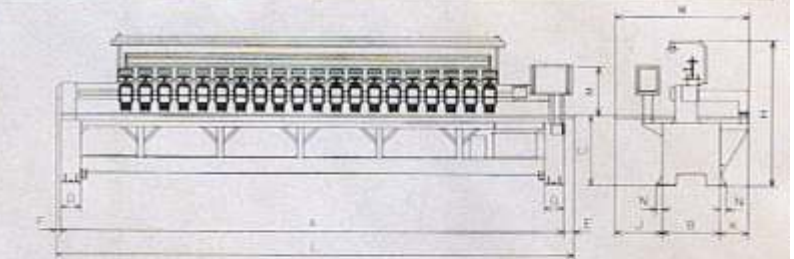
BEMSH

MACHINE MAIN DIMENSIONS

MODEL	Embroidery Area (Alternate Head)	DIMENSIONS (mm)			A	B	C	D	E	F	G	J	K	M	N
		L	W	H											
BEMSH-10	450x480	5265			5075										
BEMSH-12(WF)	450x300(600)	5485			5295										
BEMSH-12	450x400	6185			5995										
BEMSH-15	450x390	6585			6395	725	880	250	130	60	250	445	205	515	75
BEMSH-17(WF)	450x240(480)	5785	1375	1800	5595										
BEMSH-17	450x300	6385			6195										
BEMSH-18	450x300	6685			6495										
BEMSH-20(WF)	450x240(480)	6505			6315										

SPECIFICATIONS

MODEL	Number of Needles per Head	Needle Spacing (mm)	Continuous Design (mm)	Offset	Continuous Design (mm)	Stitch Length (mm)	Speed	Motor Capacity	Power Supply	Power Consumption
BEMSH-10		450	450x480	50	450x4800					
BEMSH-12(WF)		300	450x300(600)	50	450x3600					
BEMSH-12		400	450x400	50	450x4800					
BEMSH-15	YF—5	350	450x350	50	450x5280	0.1-12.7	200-900 (rpm)	550W	AC200V, 220V, 345V, 380V, 400V, 415V, 1 & 3phase, 50Hz-60Hz	1.2W
BEMSH-17(WF)	YS—7	240	450x240(480)	50	450x4080					
BEMSH-17		300	450x300	50	450x5100					
BEMSH-18		300	450x300	50	450x5400					
BEMSH-20(WF)		240	450x240(480)	50	450x4800					



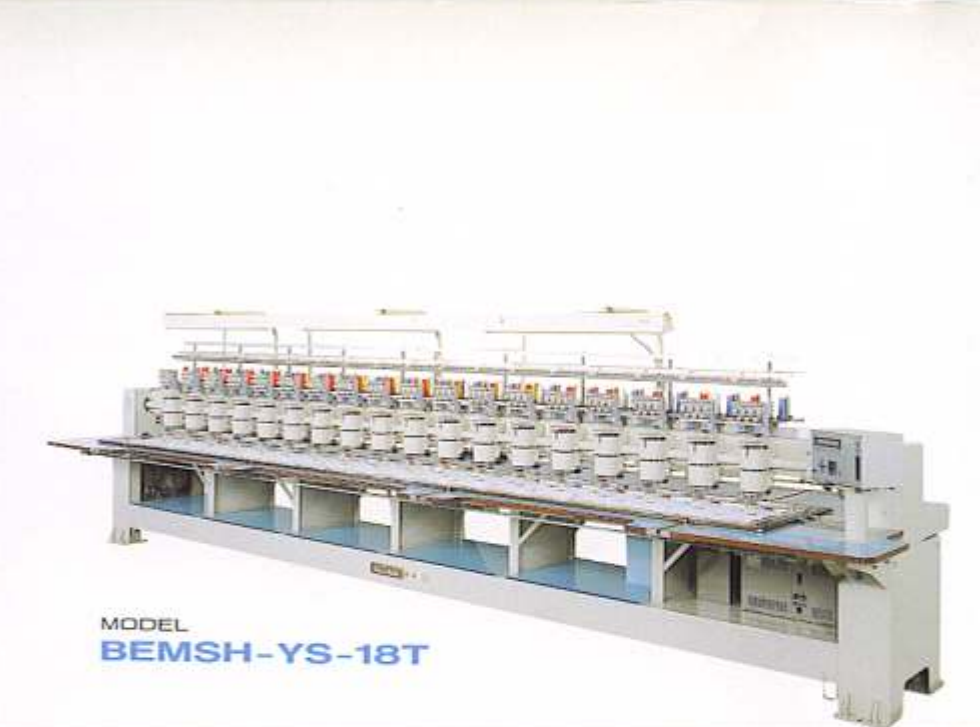
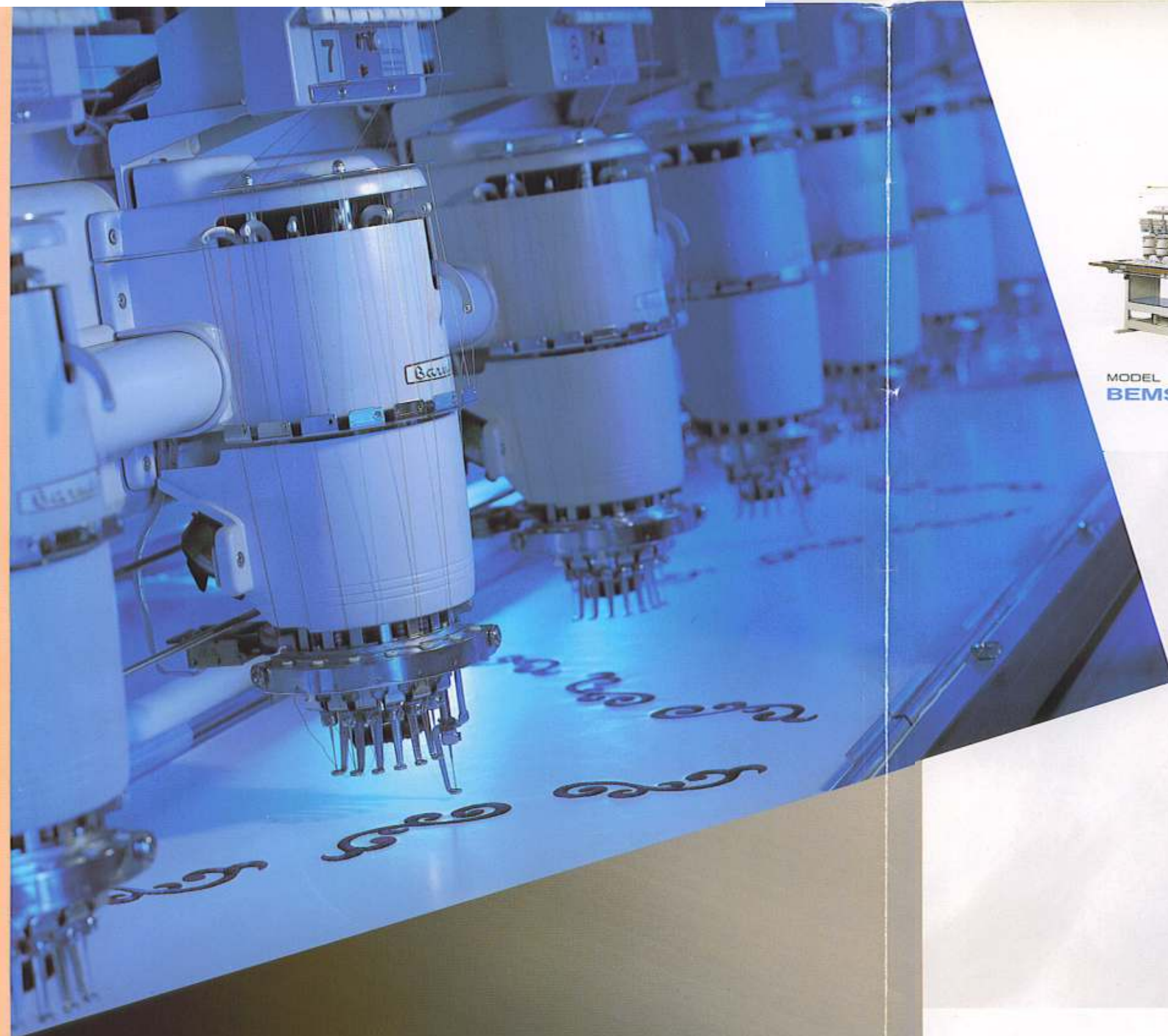
- Note 1. The above mentioned speed is to be selected depending on embroidery conditions like stitch length, fabric to be used, etc.
 Note 2. The above embroidery area indicates the maximum transfer volume of the frame but actual embroidery area is sometimes restricted by the used frame.
 Note 3. Orders will be accepted for models other than those mentioned above.

"Barudan" is a trademark of BARUDAN CO., LTD. in Japan.

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MODEL
BEMS-YS-20T

MODEL
BEMSH-YS-18T

Advanced specifications make various works of stitching possible.

- **BUILT-IN 3.5" FLOPPY DISK DRIVE**
For permanent storage of patterns, each disk can hold approximately 210,000 stitches or 36 designs.
- **LARGE MEMORY**
Stores up to 174,000 stitches, in up to 36 designs, expandable to 261,000 stitches.
- **LCD DISPLAY**
40 character, 2 line liquid crystal backlit display with back lighting for easy viewing.
- **MENU SELECTION**
Menu selection makes machine operation easily possible with minimum keystrokes.
- **COPYING FROM FLOPPY DISK**
Patterns can be copied from 3.5" floppy disks into machine memory.
- **EDITING STITCH DATA**
Patterns can be edited by inserting, moving, deleting or adding function codes such as color changes, thread trims, etc.
- **AUTOMATIC REPEAT AT SPECIFIED POSITIONS**
Sew multiple copies of the same design with flexible control of placement as well as spacing in between designs.
- **TAPE DRIVE**
Automatic frame moving for appliques as well as at the end of designs.
- **REMOTE POWER SWITCH**
ON/OFF switch on console panel controls machine power.
- **OUTPUT**
Outputs newly created or modified designs to floppy disk or paper tape for backup purposes or for use on other embroidery machines.
*With UTP-III (Option)
- **COMBINE**
Creates new designs by combining several designs in memory and walk stitches into one design.
- **CORRECTING PATTERN DATA**
Corrections can be made to clean up previously punched designs by changing the vertical and horizontal data of stitches.
- **ADDING /CHANGING FUNCTIONS ON PATTERN DATA**
Unlimited changes can be made to function codes (Thread trim, jump, stop or color change) in patterns.
- **MODIFY COLOR CHANGE SEQUENCE**
Changing the color change sequence without sewing is made possible by key operations with the display.
- **AUTOMATIC MENDING**
Automatically mends the portion of your pattern at which a problem occurs.
- **DIRECT FLOATING**
Moves the pantograph to a position of a specified stitch number.
- **PRECISE POSITIONING FOR APPLIQUE WORK**
Needle bar lowers to mark the exact starting point to begin sewing.
- **FLOATING**
Moves the pantograph through the design without sewing.
- **TAPE FORMAT**
Read design tapes in BARUDAN or other industry standard codes (BARUDAN fortron, and trinary)
- **DIRECT BACK TO ORIGIN**
Moves back to start of design with one key. If the origin key is pressed again, the pantograph moves back to the previous position.
- **AUTOMATIC SPEED CHANGE**
Adjusts the speed according to stitch length for best sewing quality.
- **AUTOMATIC SLOW START AND STOP**
Runs slow for a few stitches when you start or stop sewing.
- **MEMORY BACKUP**
Saves machine memory in case of power failure, or preserves pattern memory when machine power is turned off.
- **MAIN DRIVE MOTOR**
Induction motor controlled by inverter provides extremely smooth starts, stops, and speed control.
- **ADVANCED PANTOGRAPH DRIVE MECHANISM**
Provides accurate and excellent quality stitching.
- **AUTOMATIC THREAD TRIMMER (OPTION)**
Selectively trim top or both top and bottom threads.
- **DESIGN STATISTICS**
For better production planning, displays stitch information for your design, such as the distance between the start point and end point, size of design.
- **ADDITION**
Creates new designs by adding one design to another in memory.
- **PRODUCT COUNT**
Displays the total items sewn, and total number of stitches.
- **SCALING**
Enlarges or reduces the size of design vertically or horizontally, independently from 50% to 200%.

Count on Barudan BEMS Machines for High Performance.

Create dazzling, high-quality embroidery with Barudan's BEMS series, a line of computerized machines designed for optimum performance. Each BEMS machine is equipped with rotary individual take-up levers, a new feature which insures fast, quiet production. Combine that with the machine's other advanced capabilities and you'll discover the BEMS machine has what it takes to get the job done right.

The BEMS machine gives you an edge on the competition.

OPTION



Trimming Device for Top & Bottom Thread

▲ The trimming device is electronically operated to automatically trim both top and bottom threads to save the operator from having to manually trim right after completion.



▲ MONOGRAM KEY BOARD JM-4
Combinations of lettering with stored designs enables extensive expression and flexibility.



▲ UTP-3 (TAPE PERFORATOR)
Stored data is transferable to punch tape.



▲ PTR-5 (TAPE READER)