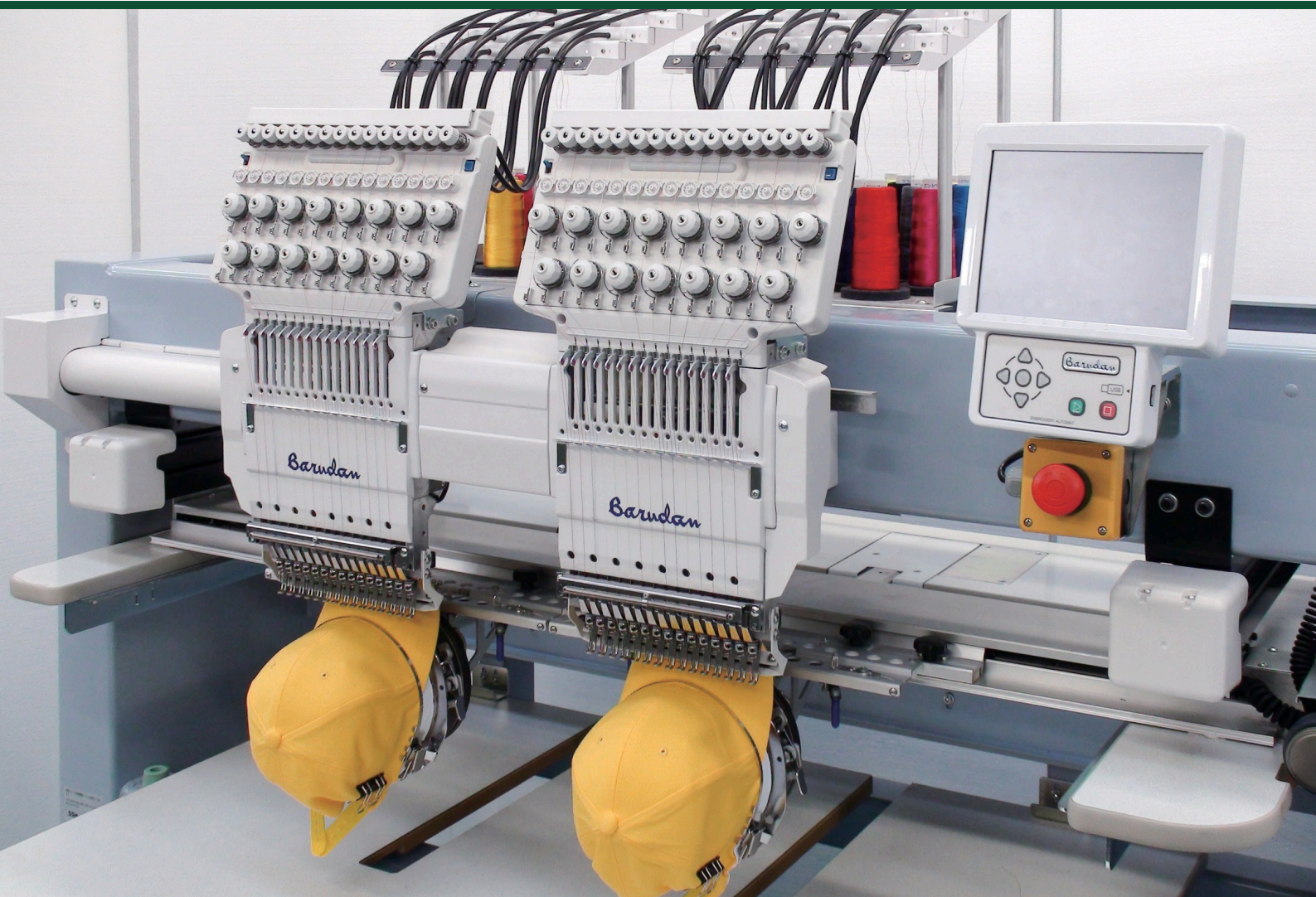


BARUDAN Embroidery Machines

ماكينات تطريز بارودان

Single-head, compact, drop-table and multi-head embroidery machines from BARUDAN, Japan, with full specifications.



BARUDAN CO., LTD., Japan · Al Borj Machinery LLC, UAE

BARUDAN and Al Borj

بارودان والبرج للمكائن

BARUDAN has built embroidery machines in Ichinomiya, Japan, since 1959. The range runs from single-head machines for shops, uniform rooms and personalisation to 30-head machines for volume production, all built around BARUDAN's own sewing head and automat.

Al Borj Machinery has supplied industrial sewing and garment machinery from Sharjah since 1987, and has represented BARUDAN since 1991. Our technicians install the BARUDAN machines we supply, train the operators, and service them with genuine parts.

This edition covers the 2026-27 range, including the new L series with the LS Automat, built from May 2026.

تصنع بارودان ماكينات التطريز في مدينة إيتشينوميا في اليابان منذ عام 1959. وتمتد مجموعتها من ماكينات الرأس الواحد للمحلات وغرف الزي الموحد والتطريز الشخصي إلى ماكينات بثلاثين رأساً للإنتاج الكبير.

توزّد البرج للمكائن ماكينات الخياطة والملابس الصناعية من الشارقة منذ عام 1987، وتمثل بارودان منذ عام 1991. يقوم فنيونا بتركيب ماكينات بارودان التي نوردّها، وتدريب المشغلين، وصيانتها بقطع غيار أصلية.

يغطي هذا الإصدار مجموعة عامي 2026 و2027، بما فيها سلسلة L الجديدة مع وحدة التحكم LS Automat المنتجة منذ مايو 2026.

1987

Al Borj founded in Sharjah

1991

BARUDAN partner since

5,000+

Factories supplied in the Middle East and Africa

3

Offices: Sharjah, Accra, Nairobi

Reading a BARUDAN model code

قراءة رمز الطراز

BE L S - Y9 18

Brand Automat Type Needles Heads

BE	Brand	BARUDAN embroidery machine.
L	Automat	L: LS Automat, built from May 2026. K: K series automat, on the BEKT single and two-head machines.
S	Type	T: single and two-head. Y: compact multi-head. S: full-size multi-head.
Y9	Needles	Y9: 9 needles per head. S15: 15 needles per head.
18	Heads	01 to 30.
C	Suffix	C: drop table, for caps, tubular work and finished products. II and III: model generation.

29 models in seven series

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BELS series Multi-head, drop table and large field, LS Automat

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Frames, accessories and support

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29 models, largest embroidery area of each

Range at a glance

المجموعة في لمحة

Series	Model	Heads	Needles	Largest area, mm	Top speed, rpm	Page
BELY-II series compact, LS Automat	BELY-Y904II	4	9	600 × 300	1,000	6
	BELY-Y906II	6	9	800 × 400	1,000	6
	BELY-Y908II	8	9	600 × 300	1,000	6
	BELY-S1504II	4	15	600 × 400	1,000	6
	BELY-S1506II	6	15	600 × 400	1,000	6
	BELY-S1508II	8	15	600 × 400	1,000	6
BELY-CII series drop table, LS Automat	BELY-S1502CII	2	15	450 × 520	1,100	8
	BELY-S1504CII	4	15	450 × 520	1,100	8
	BELY-S1506CII	6	15	450 × 520	1,100	8
	BELY-S1508CII	8	15	450 × 520	1,100	8
BELY-F high-speed compact, LS Automat	BELY-Y912FII	12	9	600 × 350	1,000	10
BEKT series single and two-head, 8.4 inch automat	BEKT-S1501CAII	1	15	250 × 400	1,200	11
	BEKT-S1501CBIII	1	15	360 × 500	1,300	12
	BEKT-S1501CBIII V1200	1	15	360 × 1200	1,000	13
	BEKT-S1501CII	1	15	450 × 520	1,300	14
	BEKT-S1502CII	2	15	450 × 380	1,100	15
BELS series multi-head, LS Automat	BELS-Y912	12	9	1000 × 500	1,000	17
	BELS-Y915	15	9	800 × 400	1,000	17
	BELS-Y918	18	9	1300 × 400	1,000	17
	BELS-Y920	20	9	1000 × 300	1,000	17
	BELS-Y924	24	9	1300 × 330	1,000	17
	BELS-Y928	28	9	1500 × 330	1,000	17
	BELS-Y930	30	9	1500 × 243	1,000	17
BELS-C series drop table, LS Automat	BELS-S1512C	12	15	450 × 520	1,000	20
	BELS-S1515C	15	15	450 × 380	1,000	20
BELS Large Field LS Automat	BELS-Y901	1	9	1500 × 1000	1,000	22
	BELS-Y902	2	9	1500 × 1000	1,000	22
	BELS-Y904	4	9	1500 × 1000	1,000	22
	BELS-Y906	6	9	1200 × 500	1,000	22

Most models are built in more than one embroidery area; each series page lists them all. Top speed is for tubular work; cap work runs at up to 1,000 rpm.

New in 2026 · every L series machine

LS Automat

وحدة التحكم LS الجديدة

From May 2026 production, BARUDAN's multi-head machines move to the L series and the LS Automat. It has a larger and sharper screen, sixteen times the internal memory of the KS2 Automat it replaces, and a simpler menu.

■ Easier to read

12.1 inch screen at 1280 × 800, up from 10.4 inch at 800 × 600.

■ More designs on the machine

8 GB of memory: 300 designs and 300 million stitches. Faster design transfer over gigabit LAN or USB 3.0.

■ Simpler to operate

Functions reorganised and the operation flow shortened. Settings use plain words instead of numeric values. The function list has a filter, so operators see only what they use.

■ Design input in one place

Design input, including input over the network, now starts from the design screen.



LS Automat, L series, 2026



KS2 Automat, previous K series multi-heads

KS2 and LS compared

مقارنة

Item	KS2 Automat	LS Automat
Touch screen	10.4 inch, 800 × 600	12.1 inch, 1280 × 800
Internal memory	512 MB	8 GB
Designs in memory	100	300
Stitch capacity	70 million	300 million
USB	USB 2.0 × 1	USB 3.0 × 2, USB 2.0 × 1
LAN	100BASE-TX / 10BASE-T	1000BASE-T / 100BASE-TX / 10BASE-T
Bluetooth	None	Bluetooth 5.0, recommended devices
COM port	RS-232C, D-Sub 9-pin	None
Jog remote	Wired	Wired, or wireless 2.4 GHz keypad
Shortcut icons	8	12
Size, W × H × D	274 × 274 × 44 mm	320 × 310 × 75 mm
Weight	2.5 kg	2.6 kg

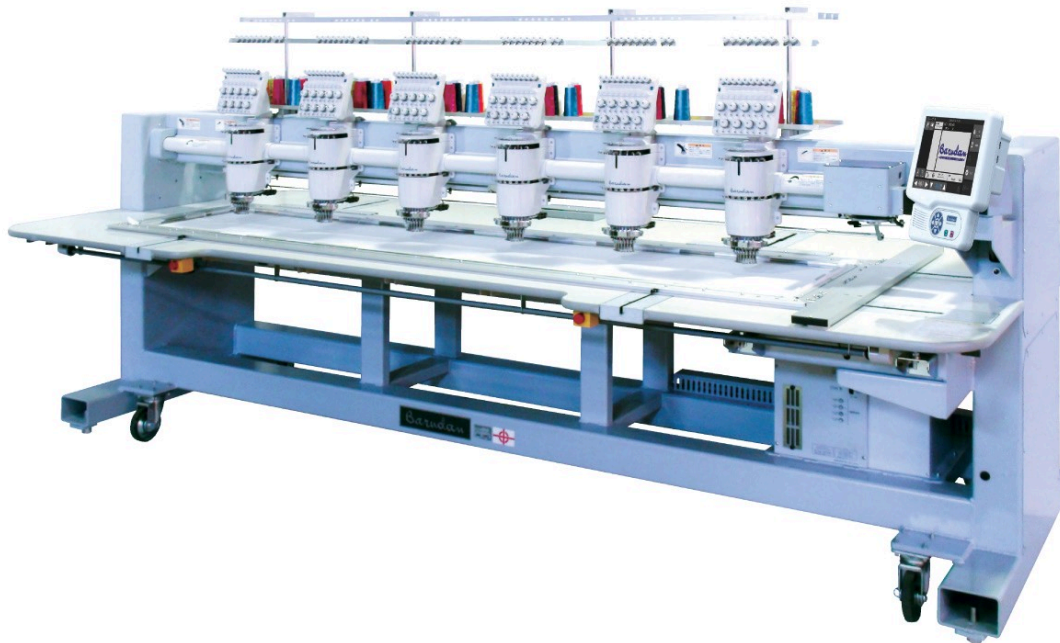
A Wi-Fi adapter is needed for wireless LAN. BARUDAN also supplies an LS Automat simulator for PC, which we use to show the screens before you buy and to support your operators.

L series · LY · compact multi-head

BELY-II series

Compact multi-head, 4, 6 and 8 heads

ماكينات تطريز مدمجة متعددة
الرؤوس



BELY-Y906II, 6 heads, 9 needles



BELY-S1506II, 6 heads, 15 needles

BARUDAN's compact multi-heads for smaller orders: 4, 6 or 8 heads with 9 needles (Y models) or 15 needles (S models), fields from 450 × 300 mm to 800 × 400 mm, and up to 1,000 rpm on a three-phase supply. Every BELY-II machine has the new LS Automat.

4–8

Heads

9 or 15

Needles per head

800 × 400

Largest field, mm

1,000

Top speed, rpm

L series · LY · compact multi-head

BELY-II specifications

المواصفات

Model	Embroidery area, mm	Needle distance, mm	Continuous design, mm	Needles	L × W × H, mm	kW
BELY-Y904II	450 × 300 / 300	300	450 × 1200	9	2145 × 1420 × 1680	0.5
	450 × 400 / 400	400	450 × 1600	9	2645 × 1420 × 1680	0.5
	600 × 300 / 300	300	600 × 1200	9	2145 × 1720 × 1680	0.5
BELY-Y906II	450 × 300 / 300	300	450 × 1800	9	2745 × 1420 × 1680	0.55
	450 × 400 / 400	400	450 × 2400	9	3445 × 1420 × 1680	0.55
	600 × 300 / 300	300	600 × 1800	9	2745 × 1720 × 1680	0.55
	800 × 400 / 500	400	800 × 2400	9	3645 × 2120 × 1680	0.55
BELY-Y908II	450 × 300 / 300	300	450 × 2400	9	3345 × 1420 × 1680	0.55
	450 × 400 / 400	400	450 × 3200	9	4245 × 1420 × 1680	0.55
	600 × 300 / 300	300	600 × 2400	9	3345 × 1720 × 1680	0.55
BELY-S1504II	450 × 400 / 400	400	450 × 1600	15	2645 × 1420 × 1620	0.5
	600 × 400 / 400	400	600 × 1600	15	2645 × 1720 × 1620	0.5
BELY-S1506II	450 × 400 / 400	400	450 × 2400	15	3445 × 1420 × 1620	0.55
	600 × 400 / 400	400	600 × 2400	15	3445 × 1720 × 1620	0.55
BELY-S1508II	450 × 400 / 400	400	450 × 3200	15	4245 × 1420 × 1620	0.55
	600 × 400 / 400	400	600 × 3200	15	4245 × 1720 × 1620	0.55

Common to all BELY-II models

Stitch length	0.1–12.7 mm
Speed	200–1,000 rpm
Power supply	3φ 200–415 V
Automat	LS Automat, 12.1 inch touch screen, 1280 × 800
Memory	300 designs, 300 million stitches

Notes

Embroidery area is the maximum pantograph movement; the frame used may limit the actual sewing field. Other embroidery areas are available on request. BARUDAN may change specifications without notice.

Frame sets for multi-head machines are quoted separately, to suit your products.

Accessories

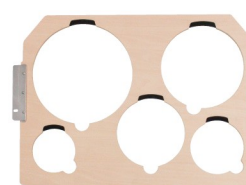
الملحقات



One-touch frames



Spider frames



Wood frames

L series • LY-C • drop table

BELY-CII series

Drop table, 2 to 8 heads, 15 needles

ماكينات تطريز للقبعات
والملابس الجاهزة



BELY-S1506CII, 6 heads, with cap frames

Drop-table machines on a compact bridge, with 2, 4, 6 or 8 heads and 15 needles. The drop table and quick-change frames move between caps, tubular garments and finished products, with consistent stitch quality across a wide range of fabrics. Tubular work runs at up to 1,100 rpm and caps at up to 1,000 rpm, on single or three-phase supply.

2-8

Heads

15

Needles per head

450 × 520

Largest field, mm

86 × 360

Wide cap frame, mm


LS Automat page 5

- 12.1 inch touch screen, 1280 × 800
- 300 designs, 300 million stitches
- USB 3.0 × 2, USB 2.0 × 1, gigabit LAN
- Simpler menus, settings in plain words

L series · LY-C · drop table

BELY-CII specifications

المواصفات

Model	Embroidery area, mm	Needle distance, mm	Continuous design, mm	Tubular frame max., mm	Tubular speed, rpm	L, mm	kW
BELY-S1502CII	450 × 520 / 520	520	450 × 1040	460 × 434	200–1,100	2045	0.5
BELY-S1504CII	450 × 380 / 380	380	450 × 1520	460 × 304	200–1,100	2385	0.5
	450 × 520 / 520	520	450 × 2080	460 × 434	200–1,100	3085	0.5
BELY-S1506CII	450 × 380 / 380	380	450 × 2280	460 × 304	200–1,100	3145	0.55
	450 × 520 / 520	520	450 × 3120	460 × 434	200–1,100	4125	0.55
BELY-S1508CII	450 × 380 / 380	380	450 × 3040	460 × 304	200–1,100	3905	0.55
	450 × 520 / 520	520	450 × 4160	460 × 434	200–1,000	5265	0.55

Common to all BELY-CII models

Wide cap frame	86 × 360 mm
Needles	15
Stitch length	0.1–12.7 mm
Cap frame speed	200–1,000 rpm
Power supply	1φ 100–240 V or 3φ 200–415 V
Width × height	1245 × 1690 mm
Automat	LS Automat, 12.1 inch touch screen, 1280 × 800
Memory	300 designs, 300 million stitches

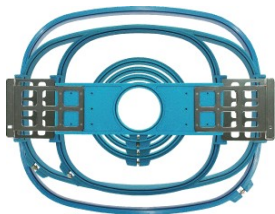
Notes

Embroidery area is the maximum pantograph movement; the frame used may limit the actual sewing field. Other embroidery areas are available on request. BARUDAN may change specifications without notice.

Frame sets for multi-head machines are quoted separately, to suit your products.

Accessories

الملحقات



Blue frames for finished products



Wide cap frame



Cap frame type assemblies

L series · LY-F · high-speed compact

BELY-Y912FII

High-speed compact, 12 heads, 9 needles

ماكينة تطريز مدمجة عالية
السرعة

Twelve 9-needle heads on a compact frame, 5.4 m long, with a 600 × 350 mm field at a 350 mm needle distance. About 0.9 m shorter than the full-size BELS-Y912, for rooms where floor space is short. Available with the automatic bobbin changer (page 19).

Specifications

Heads	12
Embroidery area	600 × 350 / 350 mm
Needle distance	350 mm
Continuous design	600 × 4200 mm
Needles	9
Stitch length	0.1–12.7 mm
Speed	200–1,000 rpm
Power supply	1φ 100–240 V or 3φ 200–415 V
Power consumption	0.7 kW
Dimensions, L × W × H	5355 × 1665 × 1565 mm

LS Automat

- 12.1 inch touch screen, 1280 × 800
- 300 designs, 300 million stitches
- USB 3.0 × 2, USB 2.0 × 1
- 1000BASE-T LAN connector

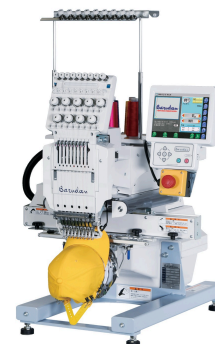
Frame sets for multi-head machines are quoted separately, to suit your products.

BEKT series · Elite Junior II type S15

BEKT-S1501CAII

Compact single head, 15 needles, 250 × 400 mm

ماكينة تطريز برأس واحد



With the 72 × 360 mm wide cap frame



On the round table

The most compact machine in this catalogue: a 15-needle single head with a 250 × 400 mm tubular field, a 72 × 360 mm wide cap frame and frames for finished products. It runs at up to 1,200 rpm on tubular work from a single-phase supply, on a bench, a round table or the optional steel stand.

Specifications

Embroidery area	250 × 400 mm
Wide cap frame	72 × 360 mm
Frames for finished products	300 × 430 mm frame 250 × 400 mm sewing area
Needles	15
Stitch length	0.1–12.7 mm
Speed	200–1,200 rpm, tubular frame 200–1,000 rpm, cap frame
Power supply	1φ 100–240 V
Power consumption	0.225 kW
Dimensions, L × W × H	600 × 930 × 960 mm
Weight	73 kg

Automat and features

- 8.4 inch touch screen, 800 × 600
- LAN connector and 2 USB ports
- 70 million stitches, 100 designs in memory
- Frame centering and frame limit functions
- Shortcuts for the most-used icons
- New tensioner system
- Laser pointer and LED light

BEKT series • single head

BEKT-S1501CBIII

Single head, 15 needles, 360 × 500 mm

ماكينة تطريز برأس واحد



Cap frame fitted



Frame for finished products

A 15-needle single head with a 360 × 500 mm tubular field, an 86 × 360 mm wide cap frame and frames for finished products up to 380 × 438 mm. It runs at up to 1,300 rpm on tubular work. The new trimmer and a smaller-diameter cylinder arm let it sew deeper into confined areas of finished products.

Specifications

Embroidery area	360 × 500 mm
Wide cap frame	86 × 360 mm
Frames for finished products	up to 380 × 438 mm
Needles	15
Stitch length	0.1–12.7 mm
Speed	200–1,300 rpm, tubular frame 200–1,000 rpm, cap frame
Power supply	1φ 100–240 V
Power consumption	0.225 kW
Dimensions, L × W × H	755 × 995 × 935 mm
Weight	96 kg

Automat and features

- 8.4 inch touch screen, 800 × 600
- LAN connector and 1 USB port
- 70 million stitches, 100 designs in memory
- Frame centering and frame limit functions
- Shortcuts for the most-used icons
- Name drop
- New trimmer, narrow cylinder arm and new tensioner
- Laser pointer and LED back light

BEKT series · single head, long field

BEKT-S1501CBIII V1200

Single head, 15 needles, 360 × 1200 mm

ماكينة تطريز برأس واحد



The largest field in BARUDAN's drop-table and single-head line-up: up to 1200 mm in the V direction, on the BEKT-S1501CBIII head with extension tables either side. For banners, flags and other long pieces. The wide cap frame and frames for finished products fit as on the standard machine.

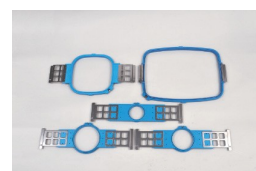
Specifications

Embroidery area	360 × 1200 / 1200 mm
Wide cap frame	86 × 360 mm
Needles	15
Stitch length	0.1–12.7 mm
Speed	200–1,000 rpm, tubular and cap frame
Power supply	1φ 100–240 V
Power consumption	0.225 kW
Dimensions, L × W × H	2490 × 1195 × 1669 mm

BEKT-S1501CBIII accessories



Wide cap frame



Blue frames for finished products



Steel stand



Detachable table

BEKT series · single head, drop-table frame

BEKT-S1501CII

Single head on a drop-table frame, 450 × 520 mm

ماكينة تطريز برأس واحد



With the optional signal tower

A 15-needle single head on the same drop-table frame as the two-head BEKT-S1502CII. It has the largest tubular field of the KT single heads, 450 × 520 mm, frames for finished products up to 460 × 434 mm and a 79 × 360 mm wide cap frame, and runs at up to 1,300 rpm on tubular work.

Specifications

Embroidery area	450 × 520 mm
Wide cap frame	79 × 360 mm
Frames for finished products	up to 460 × 434 mm
Needles	15
Stitch length	0.1–12.7 mm
Speed	200–1,300 rpm, tubular frame 200–1,000 rpm, cap frame
Power supply	1φ 100–240 V
Power consumption	0.225 kW
Dimensions, L × W × H	1525 × 1244 × 1608 mm
Weight	350 kg

Automat and features

- 8.4 inch touch screen, 800 × 600
- LAN connector and 2 USB ports
- 70 million stitches, 100 designs in memory
- Frame centering and frame limit functions
- Shortcuts for the most-used icons
- Name drop
- New trimmer, narrow cylinder arm and new tensioner
- Laser pointer and LED back light

BEKT series • two heads

BEKT-S1502CII

Two heads, 15 needles, 450 × 380 mm

ماكينة تطريز برأسين



With frames for finished products

Two 15-needle heads on a drop-table frame, for twice the output of a single head on caps, tubular garments and finished products. Each head sews a 450 × 380 mm field; frames for finished products run at up to 1,100 rpm, tubular and cap frames at up to 1,000 rpm.

Specifications

Heads	2
Embroidery area	450 × 380 mm
Wide cap frame	79 × 360 mm
Frames for finished products	up to 460 × 304 mm
Needles	15 per head
Stitch length	0.1–12.7 mm
Speed	200–1,100 rpm, frames for finished products 200–1,000 rpm, tubular and cap frame
Power supply	1φ 100–240 V
Power consumption	0.225 kW
Dimensions, L × W × H	1625 × 1244 × 1608 mm
Weight	450 kg

Automat and features

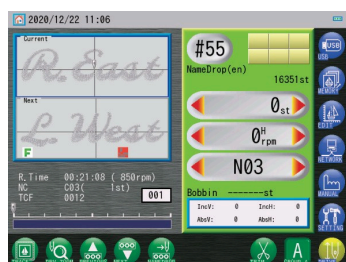
- 8.4 inch touch screen, 800 × 600
- LAN connector and 2 USB ports
- 70 million stitches, 100 designs in memory
- Frame centering and frame limit functions
- Shortcuts for the most-used icons
- Name drop
- New trimmer, narrow cylinder arm and new tensioner
- Laser pointer and LED back light

BEKT series · common to BEKT-S1501CBIII, S1501CII and S1502CII

BEKT series features

مزايا سلسلة BEKT

The BEKT machines share BARUDAN's 15-needle head, an 8.4 inch touch-screen automat and the features below. The BEKT-S1501CAII has the new tensioner, laser pointer and LED light, without name drop and the new trimmer.



Name drop

Separates the names in a multiple-name design, to view and sew each one.



Name list

Every name in the design, with its stitch count.



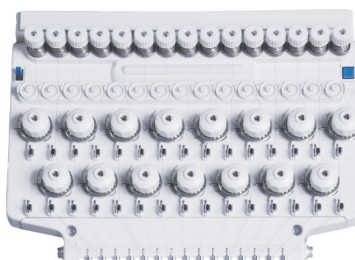
Thumbnail list

The same names as thumbnails, to pick the next one to sew.



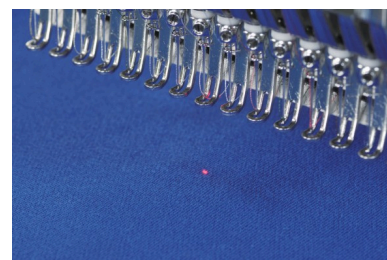
New trimmer

With a smaller-diameter cylinder arm, to sew deeper into confined areas.



New tensioner

Easier thread tensioning and more accurate thread-break detection.



Laser pointer

Shows the needle position on the garment, to place the design.



LED back light

Lights the sewing area under the head.



Bobbin winder BN-IV

Winds bobbins off the machine, while it sews.



Signal tower

Shows machine status across the floor.

L series · LS · multi-head

BELS series

Multi-head, 12 to 30 heads, 9 needles

ماكينات تطريز متعددة الرؤوس



BELS-Y918, 18 heads



BELS-Y920, 20 heads

BARUDAN's top multi-head range, with all of BARUDAN's latest technology: 12 to 30 heads of 9 needles, fields up to 1500 mm wide, at up to 1,000 rpm. The BELS series succeeds the BEKS-Y flat multi-heads and comes with the LS Automat.

12-30

Heads

9

Needles per head

1500 × 330

Largest field, mm

1,000

Top speed, rpm

L series • LS • multi-head

BELS specifications

المواصفات

Model	Embroidery area, mm	Needle distance, mm	Continuous design, mm	L × W × H, mm	kW
BELS-Y912	600 × 400 / 450	400	600 × 4800	6275 × 1700 × 1670	0.9
	750 × 400 / 450	400	750 × 4800	6275 × 2000 × 1670	0.9
	1000 × 500 / 1000	500	1000 × 6000	8475 × 2500 × 1670	0.9
BELS-Y915	600 × 400 / 400	400	600 × 6000	7375 × 1700 × 1670	1.0
	800 × 400 / 500	400	800 × 6000	7575 × 2100 × 1670	1.0
BELS-Y918	800 × 400 / 500	400	800 × 7200	8775 × 2100 × 1670	1.2
	1300 × 400 / 500	400	1300 × 7200	8825 × 3165 × 1670	1.2
BELS-Y920	600 × 300 / 600	300	600 × 6000	7875 × 1700 × 1670	1.2
	750 × 300 / 500	300	750 × 6000	7675 × 2000 × 1670	1.2
	1000 × 300 / 600	300	1000 × 6000	7925 × 2500 × 1670	1.2
BELS-Y924	1300 × 330 / 660	330	1300 × 7920	9935 × 3170 × 1670	1.4
BELS-Y928	1500 × 330 / 660	330	1500 × 9570	11550 × 3570 × 1770	1.9
BELS-Y930	1500 × 243 / 486	243	1500 × 7290	9110 × 3570 × 1670	1.9

Common to all BELS models

Needles	9
Stitch length	0.1–12.7 mm
Speed	200–1,000 rpm
Power supply	1φ 200–240 V or 3φ 200–415 V BELS-Y924, Y928 and Y930: 3φ 200–415 V
Automat	LS Automat, 12.1 inch touch screen, 1280 × 800
Memory	300 designs, 300 million stitches

Notes

Embroidery area is the maximum pantograph movement; the frame used may limit the actual sewing field. Other embroidery areas are available on request. BARUDAN may change specifications without notice.

Frame sets for multi-head machines are quoted separately, to suit your products.

The BELS-Y912 is also built at 800 × 400 / 500 mm with the automatic bobbin changer (page 19).

Accessories

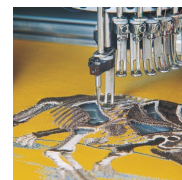
الملحقات



One-touch frames



Spider frames



Boring device

Option • BELS-Y912 and BELY-Y912FII

Automatic bobbin changer

مبدّل البوبين التلقائي



The automatic bobbin changer swaps the bobbins on every head without the operator: on a 20-head machine it changes all bobbins in about 5 seconds. Each head has its own electric motor, and the automat starts the change from a bobbin stitch counter set for each design. Less stopped time and less labour on long runs.



BELS-Y912 with automatic bobbin changer

BELS-Y912, 800 × 400 mm, with bobbin changer

Embroidery area	800 × 400 / 500 mm
Needle distance	400 mm
Continuous design	800 × 4800 mm
Heads and needles	12 heads, 9 needles
Stitch length	0.1–12.7 mm
Speed	200–1,000 rpm
Power supply	1φ 100–240 V or 3φ 200–415 V
Power consumption	0.9 kW
Dimensions, L × W × H	6375 × 2100 × 1670 mm

Also available

- **BELY-Y912FII**
12 heads, 600 × 350 mm, page 10
- **Other models**
Ask us about the bobbin changer on other BELS machines.

L series • LS-C • drop table

BELS-C series

Latest multi-head drop-table model, 15 needles

ماكينات تطريز متعددة الرؤوس
للقبعات والملابس الجاهزة



15 heads, with cap frames

BARUDAN's latest multi-head drop-table model, which replaces the BEKS-C series. Built for high-volume production: 15 needles, 12 or 15 heads and a 450 × 380 or 450 × 520 mm embroidery area, with frames for apparel, sports uniforms, work clothes, shoes, socks, gloves, caps and bags. Functions include the narrow cylinder arm, servo drive motors, new tensioners, name drop, head selection and frame centering, with the LS Automat.

12 or 15

Heads

15

Needles per head

450 × 520

Largest field, mm

1,000

Top speed, rpm



Wide cap frames



Frames for finished products



Side view

L series · LS-C · drop table

BELS-C specifications

المواصفات

Model	Embroidery area, mm	Needle distance, mm	Continuous design, mm	Blue frame max., mm	L, mm
BELS-S1512C	450 × 380 / 380	380	450 × 4560	460 × 304	6280
	450 × 520 / 520	520	450 × 6240	460 × 434	8240
BELS-S1515C	450 × 380 / 380	380	450 × 5700	460 × 304	7420

Common to all BELS-C models

Needles	15
Stitch length	0.1–12.7 mm
Speed	200–1,000 rpm
Wide cap frame	86 × 360 mm
Semi-wide cap frame	72 × 172 mm
Power supply	1φ 200–240 V or 3φ 200–415 V
Power consumption	0.9 kW
Width × height	1360 × 1700 mm

LS Automat page 5

- 12.1 inch touch screen, 1280 × 800
- 300 designs, 300 million stitches
- 1 LAN port, 3 USB ports

Standard

- Laser pointer on head 1
- LED light
- Frames for finished products, 460 × 304 or 460 × 434 mm
- Bobbin winder BN-IIIe

Options

اختياري

- Semi-wide and wide cap frames
- Pocket frames, 38 × 86, 54 × 86, 75 × 86 and 75 × 50 mm
- Sock frame and portal frame
- Laser pointer on every head
- Loop and code device
- Sequin devices
- Signal tower
- B-NET networking, page 26

Embroidery area is the maximum pantograph movement; the frame used may limit the actual sewing field. Other embroidery areas are available on request. BARUDAN may change specifications without notice.

L series · LS · large field

BELS Large Field

Large field, 1 to 6 heads, 9 needles

ماكينات تطريز بمساحة عمل
كبيرة



BELS-Y902, built with a 1500 × 1500 mm field

Large fields at full speed: the BELS-Y901, Y902 and Y904 sew up to 1500 × 1000 mm per head, and the six-head BELS-Y906 1200 × 500 mm per head, at up to 1,000 rpm. For large single pieces such as banners, flags, home textiles and upholstery panels. Other field sizes are built on request.

Model	Embroidery area, mm	Needle distance, mm	Continuous design, mm	L × W × H, mm	kW
BELS-Y901	1500 × 1000 / 1000	1000	1500 × 1000	3050 × 3500 × 1670	0.6
BELS-Y902	1500 × 500 / 500	500	1500 × 1000	2550 × 3500 × 1670	0.6
	1500 × 500 / 1000	500	1500 × 1500	3550 × 3500 × 1670	0.6
	1500 × 1000 / 1000	1000	1500 × 2000	4050 × 3500 × 1670	0.6
BELS-Y904	1500 × 500 / 500	500	1500 × 2000	3550 × 3500 × 1670	0.6
	1500 × 500 / 1000	500	1500 × 2500	4550 × 3500 × 1670	0.6
	1500 × 1000 / 1000	1000	1500 × 4000	6050 × 3500 × 1670	0.6
BELS-Y906	1200 × 500 / 550	500	1200 × 3000	4270 × 2920 × 1670	0.7

All models: 9 needles, stitch length 0.1–12.7 mm, 200–1,000 rpm, LS Automat. Power supply 1φ 200–240 V or 3φ 200–415 V; BELS-Y906 1φ 100–240 V. Embroidery area is the maximum pantograph movement; the frame used may limit the actual sewing field. Other embroidery areas are available on request. BARUDAN may change specifications without notice.

Special model · rotary head with sequin devices

YN sequin model

Multi-colour sequin embroidery

تطريز الترتير متعدد الألوان



YN heads sewing a multi-colour sequin design

On most machines the sequin device is fixed to the needle bar case, which limits sequin work to one needle and one thread colour. On the YN model the sequin device sits on BARUDAN's compact rotary head, so every needle can sew sequins.

What it does

- **Up to 9 colours in one sequin design**
All needles of the head sew sequins, each with its own thread colour.
- **Colour changes from the automat**
No physical change of sequins between colours.
- **Less sequin stock**
One sequin colour, for example 3 mm silver, serves many multi-colour designs.

Where it is used

- Sports and cheer apparel
- Leather goods
- Denim, sweatshirts and streetwear
- Home textiles

Sequin guides

Standard	3, 4, 5 and 7 mm
Optional	2, 6.8 and 9 mm

Ask us for the full YN specification.

Frames for single and multi-head machines

Frames

الإطارات

Caps

إطارات القبعات



Cap frames

No driving shaft: fitted in about 2 minutes a head, changed over without tools.

Wide cap frame

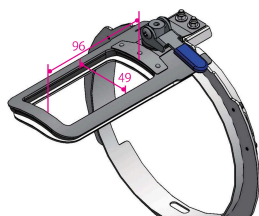
72, 79 or 86 × 360 mm, by machine.

Cap frame assemblies

Several types and sizes, by machine.

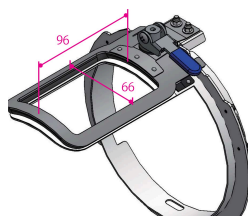
Pocket frames for the cap frame new, detachable

إطارات الجيوب



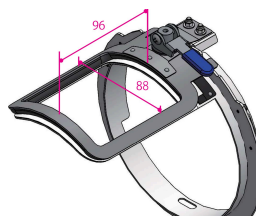
FR735590

38 × 86 mm



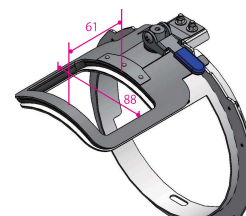
FR735600

54 × 86 mm



FR735610

75 × 86 mm

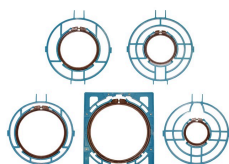


FR735890

75 × 50 mm

Finished products and flat work

المنتجات الجاهزة



Blue frames

Frames for finished products, in several sizes.



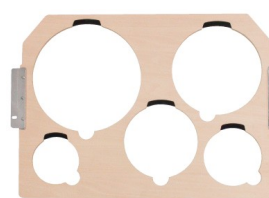
One-touch frames

For BELS and BELY-II machines.



Spider frames

For BELS and BELY-II machines.



Wood frames

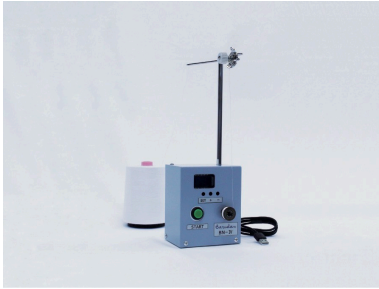
Multi-opening frames for flat work.

Also available: bag frame unit FX020000 for golf bags and similar items, and frames built to order. Tell us the item and the design size.

Options for single and multi-head machines

Accessories

الملحقات



Bobbin winder BN-IV

Winds bobbins off the machine.



Steel stand

For the BEKT-S1501CAII and S1501CBIII.



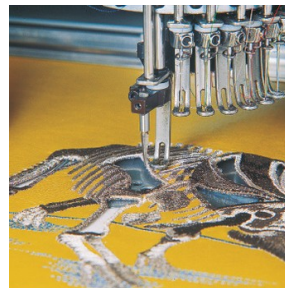
Detachable table

Work surface for flat items on single heads.



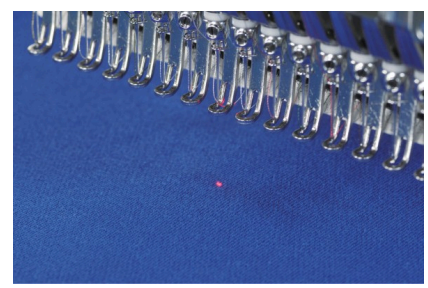
Signal tower

Machine status visible across the floor.



Boring device

Cuts holes for eyelet and cutwork designs.



Laser pointer

Marks the needle position for placement.

Consumables from stock

المستهلكات

Sewing and bearing oil

BARUDAN oils, with safety data sheets

Needles

Organ embroidery needles for BARUDAN machines

Thread

Amann embroidery and bobbin thread

Spare parts

Genuine BARUDAN parts, from stock in Sharjah or by order from BARUDAN, Japan

Option · for every networked BARUDAN machine

B-NET

برنامج إدارة الإنتاج B-NET

B-NET is BARUDAN's network system for embroidery production. Designs go from the office to the machines over your LAN, and the machines report back their status, output and maintenance. It runs on the LS Automat's gigabit LAN and on the BEKT automats.

Explorer	Editing	Distribution	Status and stats	Reporting	Maintenance
01	Design File Server				
	Sends designs to machines over the LAN.				
02	Sewing Machine Manager				
	Shows each machine's status on a floor plan: running, thread break, stopped.				
03	Design File Explorer				
	Views and manages design files.				
04	Design File Function Editor				
	Edits designs and changes functions, such as colour order.				
05	B-NET Reporting				
	Productivity and status reports.				
06	B-NET WEB				
	Machine status, history and maintenance in a browser, also on a tablet.				
07	B-NET WEB API, option				
	Connects B-NET to your own order-entry or ERP software.				

B-NET Workgroup connects machines over your LAN. Our technicians install and set up B-NET with the machines.

Al Borj Machinery LLC · Sharjah, Accra, Nairobi

Service and support

الخدمة والدعم

Buying the machine is the start. Our own technicians install it, train the people who run it, and keep it running with genuine BARUDAN parts.

01 Machine selection

Send us your products, design sizes and monthly volume. We recommend heads, needles, field size and frames before you buy.

02 Installation and commissioning

Our technicians install, level and test-sew every machine, and complete BARUDAN's installation check sheet.

03 Operator training

Hands-on training on the automat, hooping, thread tension and daily care, at handover.

04 Warranty

BARUDAN's warranty, handled by our service team with BARUDAN's technical support in Singapore and Japan.

05 Maintenance contracts

Annual maintenance contracts for single machines or complete embroidery rooms.

06 Genuine spare parts

BARUDAN parts, frames, oils and consumables from stock in Sharjah, and by order from BARUDAN, Japan.



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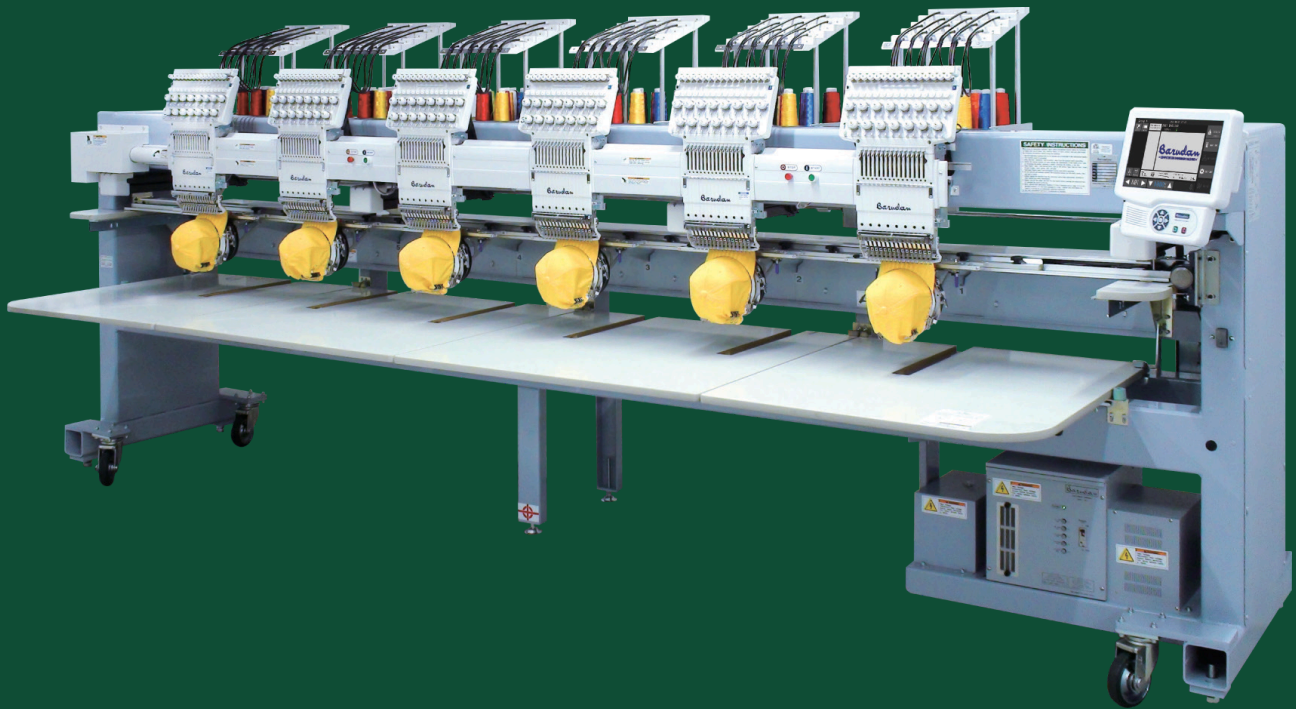
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BELY-S1506CII, 6 heads, LS Automat

BARUDAN

Embroidery Machines 2026-27

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