

ROBOTECH

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OFFICE IN ITALY



ROBOTECH A.G

SEWING AUTOMATION

Robotech A.G is a leading manufacturer of sewing automation for the apparel industry. The Istanbul based company started its journey back in 1997. The founder, Mr.Huseyin Çetin is a computer engineer and he personally programs all the Robotech automats since the first day.

Robotech is the only company in its field that actually researches, designs, develops and produces all of its automats in house. Moreover, most of the parts used on our automats are manufactured in the company's own 6,000sqm factory in Turkey. All electronic and critical components are sourced from the best producers of the industry. Therefore, Robotech always provides its customers with the newest automats that have the latest technology, highest quality, and yet affordable prices.

MISSION

To be one of the most renown and preferred manufacturers of sewing automation in the world due to the usage of the latest technology, best quality and affordable prices for the ever-changing needs and requirements of the ready-made garments manufacturers.

VISION

It is always to do research & development to bring even better quality and more speed to the most complicated operations of the critical and complicated stitching operations in garments manufacturing. At the same time to exceed customer expectations through the invention of new automats and constant development of the existing ones while keeping the best quality in production to manufacture most durable automats at unprecedented service, affordable prices for both machinery and spare parts.



Robotech Denim Automats are developed in cooperation
with our Italian bussiness partner Faritex Srl.

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D-PS 710

AUTOMATIC BACK POCKET SETTER



Website

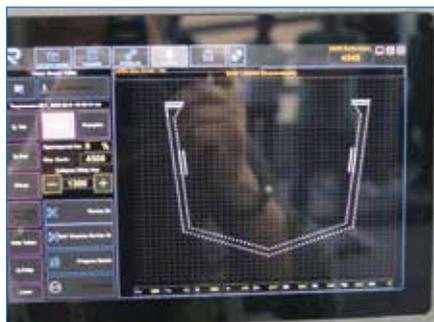


Youtube

PERFORMANCE

2200-2400 Pockets / 8 Hours

275-300 Pockets / 1 Hour



The automatic unit D-PS 710 is a programmable area pocket setter on denim and similar trousers, with an automatic folding unit and an automatic stacker. The machine is equipped with a single needle direct drive Brother Nexio lockstitch sewing head, large capacity rotary hook and thread trimmer which, allows to process the pieces wider than average. The Cold Folding system guarantees high quality production standards even on the most difficult fabrics such as stretch, super stretch. This unit is equipped with the EtherCat control protocol; a revolutionary real-time computing system which allows the fastest speed while maintaining the finest stitch quality.

TECHNICAL SPECIFICATIONS

- Brother Nexio 7300 Single Needle Lockstitch Direct Drive sewing head
- EtherCat servo control unit which is the latest technology in Robotics controls
- Equipped with Motion Controller CPU
- Head Motor: Omron AC Servo
- Puller Motor: Omron AC Servo
- 10 inch Windows Based Computer Touch Screen Control Panel
- Folding Area : X = 220 mm – Y = 220 mm
- Sewing Area : X = 220 mm – Y = 235 mm
- Feeding System : Synchronized intermittent feeding

ADVANTAGES

- The revolutionary EtherCat control unit allows the fastest speed while maintaining the finest stitch quality.
- Cold folding system wich guarantees high quality production standards even on the most difficult fabrics such as stretch, super stretch and knitwear
- Thread tension electronically controlled and adjustable via the touch screen with possibility to program different tensions within the pocket sewing cycle
- Thread extension / thread lock device wich allows to set through the touch screen the length of the residual thread after the thread trimmer and to obtain maximum quality at the next seam beginning
- Pneumatic release wich allows changing the pocket jig in a few seconds
- Importing of sewing programs through usb port
- Editing of any kind on existing programs
- Self-diagnostic system
- Troubleshooting and software updates via remote

OPTIONAL ACCESSORIES

- 5-movements folding group that gives the possibility to sew non-standard pockets, such as the square pocket or with rounded corners, with excellent quality.
- Device to adjust panel fullness in the correspondence of the top of the pocket.
- Bartack Reinforcement system for applying reinforcement fabric inside the trousers in correspondence of the bartack.
- Laser lights to indicate the correct positioning of the pockets.

TECHNICAL DETAILS

Max. Sewing Speeds : 4500 rpm
 Max. Stitch Length : 0.5 – 9 mm (0.1 step)
 Connection Voltage : 220 V 50/60 Hz
 Power Consumption: 1.8 Kw/h
 Air Consumption: 1.5L/cycle
 Air Pressure : 6 bar

DIMENSIONS

L: 140 cm / W: 183 cm / H: 145 cm
 Packing Size : 125 cm x 195 cm x 160 cm
 Machine Net Weight : approx. 490 kg
 Machine Gross Weight : approx. 550 kg



BARTACK REINFORCEMENT



D-WB 540-IX

AUTOMATIC STRAIGHT/CURVED WAISTBAND MACHINE



Website



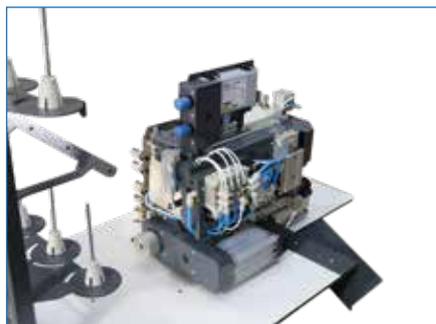
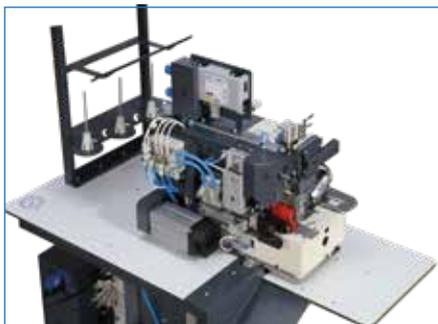
Youtube



PERFORMANCE

1700 - 2500 Waistband / 8 Hours

215 - 315 Waistband / 1 Hour



The machine D-WB 540-IX is designed for sewing waistbands of medium heavy to heavy material such as jeans, working pants, Sport pants and Skirts.

TECHNICAL SPECIFICATIONS

- FBX 1104P KANSAI WAISTBAND, 1/4-1-1/4 1/4-5/4-1/4 1/4-6/4-1/4
- Beijer , Windows Based 256 Million Colour Supported Touch Screen Control Panel
- Easy to use, with Pictures on the Operator Panel and with 50 Different Programming
- An ability to operate on different belt measures by programming a serial or circle mood
- PLC Control Unit
- AB 321 Efka Servo Electronic Motor
- Programming options from Display as curved or straight Belt by exchanging the rollers, the divided puller permits the production of women's jeans (curved waistbands) and men's jeans (straight waistbands)
- A practical solution to additional place adjustment in double belt
- Adjustable waistband tool set between 25mm-50mm
- High-performance automatic work station for processing waistband material off the reel
- The entire sewing and cutting cycle can be programmed: protrusion of the waistband, skipped stitches, start and stop of the waistband.
- Automatic Foot Lift
- Air Pressure System of Puller
- Puller System after the Knife
- Puller with shock absorber System
- Automatic double thread tension system for preventing any sewing submersion
- Needle Cooler
- A height-adjustable frame in triangle form, ensuring to do work from the front
- Cutting Blade width of 75 mm
- Max-Speed 3200 rpm



OPTIONAL ACCESSORIES

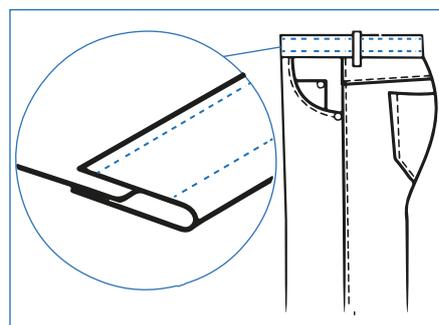
- Extra Reference Laser

TECHNICAL DETAILS

Max. Sewing Speeds : 3.200 r.p.m
 Max. Stitch Length : 2 or 5 mm
 Cutting Length: max. 85 mm
 Connection Voltage: AC 230 V, 50/60 Hz
 Air Pressure : 6 bar

DIMENSIONS

L: 85 cm / W: 105 cm / H: 120 cm
 Packing Size : 127 cm x 89 cm x 145 cm
 Machine Net Weight : approx. 135 kg
 Machine Gross Weight : approx. 165 kg





D-FA 310 D-FA 320-P

FEED OF THE ARM MACHINE



Website



Youtube



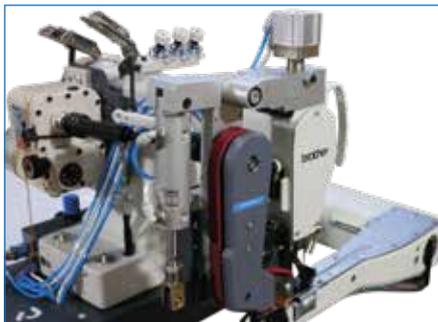
PERFORMANCE

200 - 300 Yoke Seam / 1 hour

250 - 350 Back Rise / 1 hour

180 - 180 Inseam Sewing / 1 hour

100 - 130 Side Seam Sewing / 1 hour



D-FA 310-P (Pro) is a 3 needle, chain stitch Feed of the Arm automat with Brother DA928A-7 Direct Drive Sewing Head. It is specially designed for lap felling and/or double-lap seaming like yoke sewing, back seat, in-seam and side-seam operations for jeans, casual trousers in general, working clothes, denim jackets, etc. The automatic unit is equipped with a special feeding system that can check and guarantee the perfect synchronization between the puller and the feed dog at any speed. It does that while keeping the fabric alignment and the stitch length perfectly constant, with the help of a fabric thickness sensor. Moreover, the machine allows trimming at the start and at the last chain; making the fabric clean thanks to its special vacuum system positioned on the arm-end.

ADVANTAGES

- **Always High & Consistent Quality:** The bottom puller has two wheels and works in full synchronization with the sewing head which provides perfect feeding timing as well as smooth and fast sewing over the overlapping pieces. Thus; prevents puckering or waving especially on extra-stretch fabrics. The special sensor detects the fabric thickness and pressure on the sewing foot is automatically adjusted to avoid skip stitches or stitch-step irregularities.
- **Higher Productivity:** The unit's max speed is almost 5.000 rpm and it is accompanied by a smart puller system providing unmatched productivity. The unit can sew up to 5 inseams per minute.
- **Great flexibility:** Different needle gauges provide maximum flexibility. The unit is produced to sew stretch materials but it is also possible to modify it by purchasing the heavy and light fabric conversion sets.

Model: D-FA 310

- Pneumatic control of the pressure of the Stitching Foot on the fabric at the stitch start.

Model: D-FA 320-P

- Pneumatic control of the pressure of the Stitching Foot on the fabric at the stitch start.
- Automatic fabric thickness sensor at the Stitch Cross points on the Crotch Area
- Racing Brand Vacuum chain trimmer (Standard on the Pro version)

TECHNICAL SPECIFICATIONS

- Brother DA928A-7 Direct Drive Sewing Head
- Pneumatic control of the pressure of the Stitching Foot on the fabric at the stitch start
- Racing Brand Vacuum chain trimmer (Standard on the Pro version)
- Pneumatic presser foot with sensor
- Efka Direct drive motor
- Pressure regulator

OPTIONS

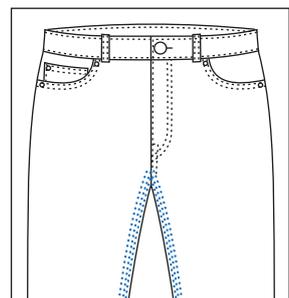
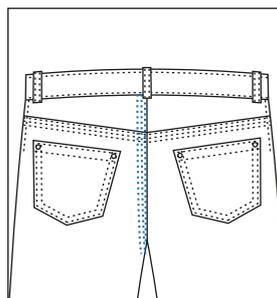
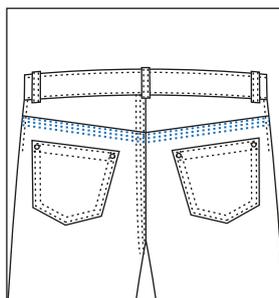
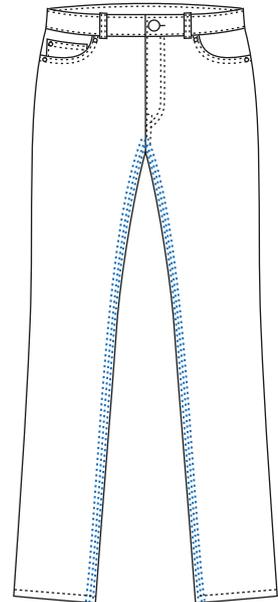
- Vacuum chain trimmer
- Optional Needle Gauges : 4.8 – 7.2 – 8.0 – 9.6 mm

TECHNICAL DETAILS

Needle system: 3 needles
 Feeding system: Needle feed
 Sewing speed: 5.000 rpm
 Stitch length: 1,0 mm – 5 mm
 Standart Needle Gauge : 6.4 mm
 Power source: 220V 50 / 60 hz
 Air source: 6 bar

DIMENSIONS

L: 66 cm / W: 115 cm / H: 130 cm
 Packing Size : 80 cm x 130 cm x 145 cm
 Machine Net Weight : approx. 170 kg
 Machine Gross Weight : approx. 200 kg





D-FA 420 M

FEED OF THE ARM MACHINE
WITH MOTION CONTROL SYSTEM



Website



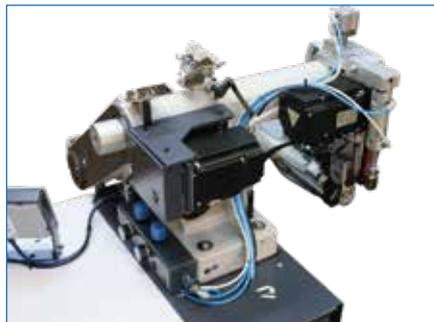
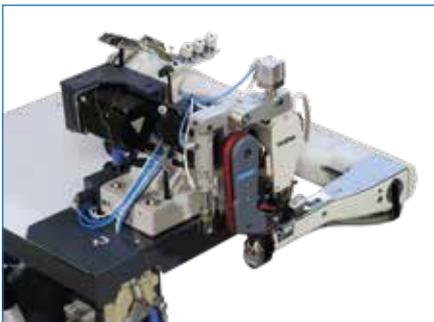
Youtube



PERFORMANCE

3500 - 4000 trouser bottoms / 8 hours

350 - 375 trouser bottoms / 1 hour



D-FA 420-M is a 3 needle, chain stitch Feed of the Arm automat specially designed for lap felling and/or double-lap seaming like yoke sewing, back seat, in-seam and side-seam operations for jeans, casual trousers in general, working clothes, denim jackets, etc.

The automatic unit is equipped with EtherCat servo control unit which is the latest technology in Robotics control and special feeding system which can check and guarantee the perfect synchronisation between the puller and the feed dog at any speed. It does that while keeping the fabric alignment and the stitch length perfectly constant, with the help of a fabric thickness sensor. Moreover the machine allows trimming at start and at the last chain ; making the fabric clean thanks to its special vacuum system positioned on the arm-end. The electronic, technical and operating functions are easily adjusted through the control panel.

ADVANTAGES

- **Extra Functions** : Pneumatic control of the pressure of the Stitching Foot on the fabric at the stitch start. & automatic sensing of thickness at the Stitch Cross points with the use of special sensors
- **Always High & Consistent Quality**: The bottom puller has two wheels and works in full synchronization with the sewing head which allows perfect feeding timing and smooth passage over overlapping pieces thus prevents pookering or waving specially on stretch fabrics. The special sensor detects the fabric thickness and pressure of the foot bar is automatically adjusted for avoiding skip stitch or stitch length irregularities.
- **Higher Productivity**: The unit 's speed is almost 5.000 rpm and accompanied with its smart puller system its productivity is unmatched. The unit will sew up to 5 inseams per minute.
- **Great Flexibility**: Different needle gauges provide maximum flexibility. The unit is produced to sew stretch materials but it is also possible to modify it by purchasing the heavy and light fabric conversion sets

TECHNICAL SPECIFICATIONS

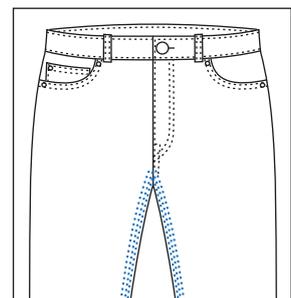
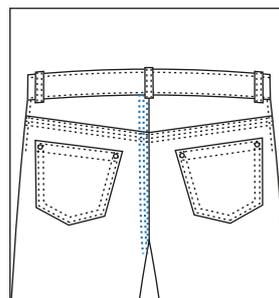
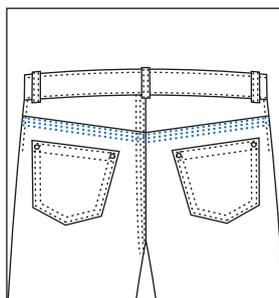
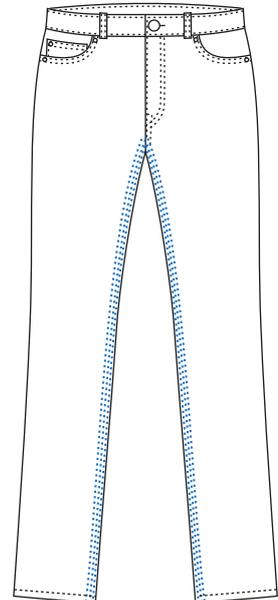
- **Brother** DA9280 Direct Drive Sewing Head
- EtherCat servo control unit which is the latest technology in Robotics controls
- Equipped with Motion Controller CPU
- Head Motor: Omron AC Servo
- Puller Motor: Omron AC Servo
- Vacuum chain trimmer (optional)
- Pneumatic presser foot with sensor
- Pressure regulator

TECHNICAL DETAILS

Max. Sewing speed: 4.500 rpm
 Stitch length: 0,5 mm – 3,5 mm
 Stitch Type: 301 (Lockstitch)
 Connection Voltage: A.C. 230 V, 50/60 Hz
 Air source: 6 bar

DIMENSIONS

L: 115 cm / W: 132 cm / H: 145 cm
 Packing Size : 96 cm x 164 cm x 145 cm
 Machine Net Weight : approx. 170 kg
 Machine Gross Weight : approx. 200 kg





D-BH 630 - IX

LEG BOTTOM HEMMING AUTOMAT



Website

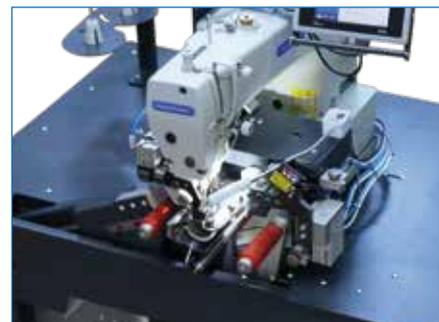


Youtube

PERFORMANCE

3500 - 4000 trouser bottoms / 8 hours

438 - 500 trouser bottoms / 1 hour



Full- Automatic Bottom Hemming Machine D-BH 630 - IX For Jeans, Casual pants, Working pants, etc. Self-compensating fabric tension mechanism adjusts inconsistencies in hemming diameter. Accurate start and finish of sewing by sensor provides exact positioning of hem joint. Overlapping of hem joint start and finish seam can be programmed from control panel. Operators can focus on next piece while the machine is sewing. It can improve productivity and release working pressure. The sewing head design allows converting the machine from Metal gear to plastic gear or pallet Puller system and vice versa, in case of changing fabric quality. No need to buy a new machine. With some additional parts and a couple minutes of adjusting and you are ready to work on different fabrics.

Adjustable stitch length from control panel eliminates the need for mechanical change of gears. Adjustable stitch edge inside of the hem.

TECHNICAL SPECIFICATIONS

- Lock stitch direct drive sewing head
- **Beijer Electronics**, Windows Based 256 million colour supported touch screen
- Control panel, with images, easy to use, with 50 different programming
- Makes working on different cuff sizes in order / by cycle programming
- **PLC** control unit
- With 750 W motor controlled upper pulling palette-transport system
- Sensor system to detect the thickness of fabric automatically
- Through the panel programmable condensing stitch and stitch-length at stitch-start and stitch-end
- With the assistance of the sensor, ability to perform very sensitive work from the panel, detects the start-finish across the hem joint
- Possibility of folding and sewing between 135 mm – 500 mm trouser leg bottoms
- Automatic thread cutting at the end of stitch and cleaning system
- Automatic foot lifting
- Error detecting systems
- Thread monitor

OPTIONS

- Extra Reference Laser
- Pallet Puller
- Different gear

TECHNICAL DETAILS

Max. Sewing Speeds : 3.500 r.p.m

Max. Stitch Length : 1 or 10 mm

Stitch type : 301 (Lockstitch)

Connection Voltage: AC 230 V, 50/60 Hz

Air Pressure : 6 bar

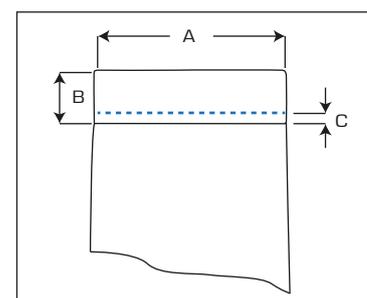
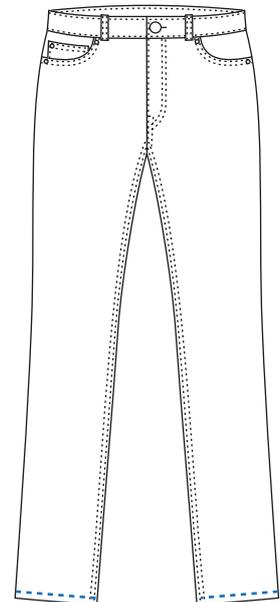
DIMENSIONS

L: 110 cm / W: 65 cm / H: 125 cm

Packing Size : 127 cm x 89 cm x 145 cm

Machine Net Weight : approx. 150 kg

Machine Gross Weight : approx. 180 kg



A = min. 13,5 cm - max. 50 cm

B = min. 1 cm - max. 4 cm

C = min. 2 mm - max. 7 mm



D-SS 430-IX

DENIM SERGING AUTOMAT



Website



Youtube

PERFORMANCE

2000 Pieces of Front or Back Edge / 8 Hours

250 Pieces of Front or Back Edge / 1 Hour



Automatic serging of denim trousers. The sewing unit D-SS 430-IX with Pegasus EXT 5214 offers excellent solutions for the rational serging of front and hind denim trousers parts. This automat has especially strengthened feeding and puller mechanisms as well as heavy duty stacker for denim fabric weight.

TECHNICAL SPECIFICATIONS

- Pegasus EX 5214 three thread overlock machine head
- Long version Machine, Chassis with adjustable height providing the possibility of working from the side
- Beijer , Windows Based 256 Million Colour Supported Touch screen Control Panel
- Easy to use, with Pictures on the Operator Panel and with 50 Different Programming
- Feature to operate with all sides in order/cycle programming
- PLC Control Unit
- Efka 550 W Mini Stop DC Servo Sewing Motor
- Stitching start automatic photocell feeding
- Thread cutting and suction at stitch beginning and end
- Fabric edge guide with silencer which can perfectly pass the gasket joints in the front and back panel (Zippy)
- Guiding metal sheet with pneumatic movement guiding the work flow to the stacker
- Air blowing holes over the table top provides the easy flow of fabric to the back.
- Fabric holder piston
- Fast stacker with air blow adaptable to denim work
- Short instruction times due to easy handling
- Extra working table
- Yarn waste compartment

OPTIONS

Universal Stacker Unit

AREAS OF USAGE

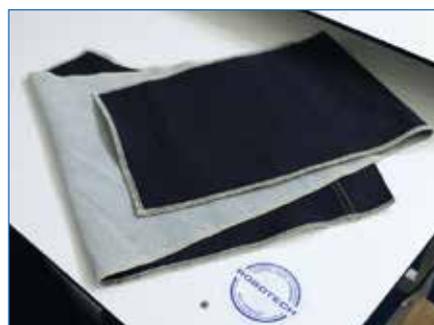
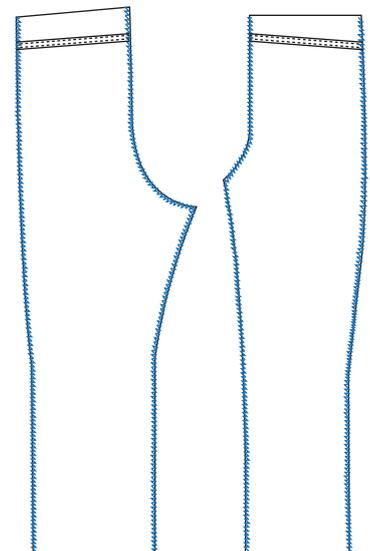
Denim Applications

TECHNICAL DETAILS

Max. Sewing Speed : 6.000 r.p.m
Max. Stitch Length : 1 or 3,8 mm
Connection Voltage: AC 230 V, 50/60 Hz
Air Pressure : 6 bar

DIMENSIONS

L: 155 cm / W: 105 cm / 120 cm
Packing Size : 186 cm x 117 cm x 145 cm
Machine Net Weight : approx. 145 kg
Machine Gross Weight : approx. 185 kg





D-JS 610

PROGRAMMABLE J STITCH AUTOMAT



Website



Youtube

PERFORMANCE

2800 - 3000 pieces / 8 Hours

350 - 375 pieces / 1 Hour



The unit D-JS 610 is an automatic programmable sewing automat for left fly J-stitch on on the front fly panel of jeans and casual trousers and workwear. This unit is equipped with the EtherCat control protocol; a revolutionary real-time computing system which allows the fastest speed while maintaining the finest stitch quality. The automat allows customized "J" patterns with the maximum variety of styling for any fashion request, with NO extra jigs cost. The single needle, lock-stitch unit can sew up to 270mm by 108mm.

D-JS 610 allows different type of stitching, bar-tacking, label setting and even decorative stitches on back pockets. The automatic loader and the suction system allows for easy and accurate garment positioning. Another advantage of the unit is that the next garment can be placed on the machine while the unit is stitching. The stacker makes it very easy to use even for unexperienced operators, ensuring quality and high production.

TECHNICAL SPECIFICATIONS

- Brother Nexio Twin Needle Lockstitch Direct Drive sewing head
- **EtherCat servo control unit which is the latest technology in Robotics controls**
- Equipped with Motion Controller CPU
- Head Motor: Omron AC Servo
- Puller Motor: Omron AC Servo
- 10 inch Windows Based Computer Touch Screen Control Panel
- Sensors for detecting thread breakage Automatic thread trimmer

ADVANTAGES

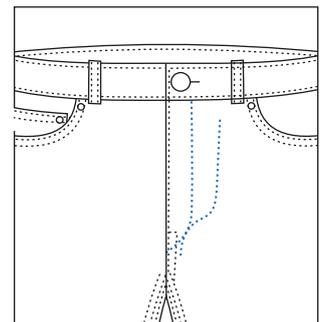
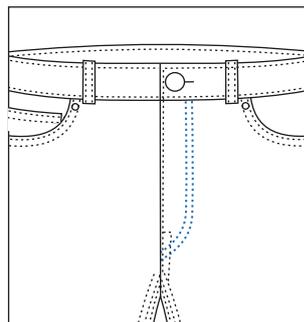
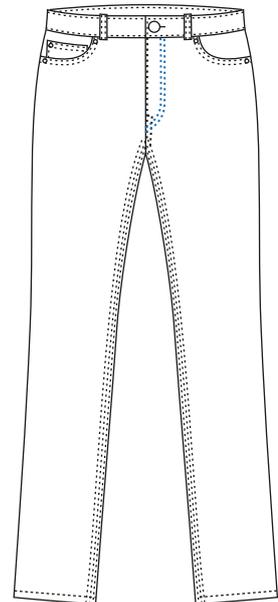
- 270 mm maximum sewing length
- Back pocket decoration stitch is also possible
- None-skilled labor operation with maximum quality
- Minium running cost with NO helper
- Universal template for all patterns

TECHNICAL DETAILS

Max. Sewing Speed: Kansai: 4.500 r.p.m
 Stich Length: 0,5 or 3,5 mm
 Stitch type: 301 (Lockstitch)
 Connection Voltage: A.C. 230 V, 50/60 Hz
 Air Pressure: 6 bar

DIMENSIONS

L: 115 cm / W: 132 cm / H: 145 cm
 Packing Size : 96 cm x 164 cm x 145 cm
 Machine Net Weight : approx. 250 kg
 Machine Gross Weight : approx. 270kg





D-PH 510-IX (Three Needles Chain Stitch)

D-PH 610-IX (Two Needles Lock Stitch)

POCKET HEMMING AUTOMAT FOR JEANS



Website



Youtube



PERFORMANCE

D-PH 610-IX

Lock Stitch (two needles):
16.000 Pockets / 8 Hours
2000 Pockets / 1 Hour

D-PH 510-IX

Chain Stitch (three needles):
17.600 Pockets / 8 Hours
2200 Pockets / 1 Hour



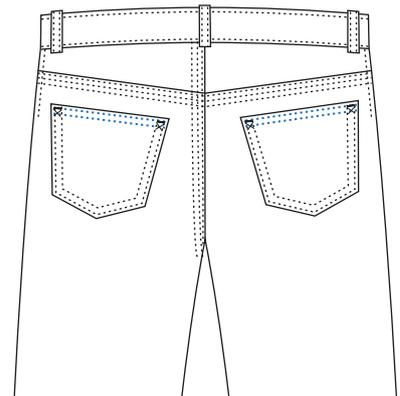
D-PH 510-IX and D-PH 610-IX are an Automatic Pocket Hemming units for jeans and similar sportswear/sportswear. The machine is equipped with a three needle **Kansai** chain stitch sewing head or alternatively a two needle **Brother** lock stitch sewing head. The machine performs the hemming on different fabric types (from heavy to stretch denim) through simple settings without a change of apparatus or parts. A single adjustable folder allows to single and double hem and change height

TECHNICAL SPECIFICATIONS

- Computer-controlled, high-speed machine with **Beijer Electronics**
- Windows Based Color Graphic Touch Screen Control Panel
- Panel and with 50 Different Programming
- **PLC** Control Unit & **Panasonic** Servo Motor
- Sensors for detecting thread breakage
- Automatic thread trimmer
- Thread breakage sensor
- Suction system for waste thread
- Special stacker for proper pockets stacking and collection

ADVANTAGES

- Fabric transport feeding system
- Belt transport pressure control
- None-skilled labor operation with maximum quality
- Minimum running cost with no helper
- Easy set up and maintenance

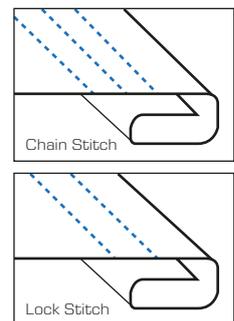
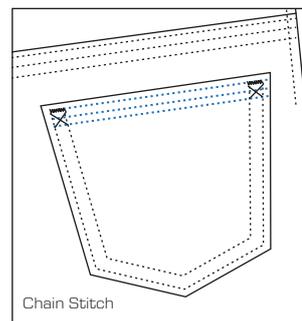
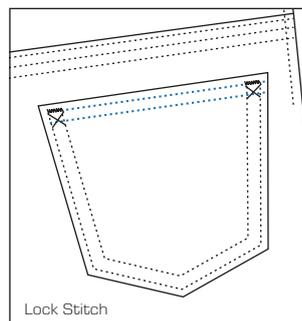


TECHNICAL DETAILS

Needle Gauge: 6.4mm
 Max. Sewing Speed: **Kansai**: 4500 r.p.m or **Brother**: 3000 sti/min
 Stitch type: Chain stitch – **Kansai** or Lock stitch – **Brother**
 Stitch Length: **Kansai**: 6 - 14,0 mm / **Brother**: max: 7 mm
 Connection Voltage: A.C. 220 V, 50/60 Hz
 Air Pressure : 6 bar

DIMENSIONS

L: 130 cm / W: 110 cm / H: 150 cm
 Packing Size : 120 cm x 120 cm x 160 cm
 Machine Net Weight : approx. 250 kg
 Machine Gross Weight : approx. 270 kg





D-BF 420

BARTACK MACHINE WITH AUTO FELT FEEDING SYSTEM



Website



Youtube



PERFORMANCE

2000 Pieces / 8 Hours

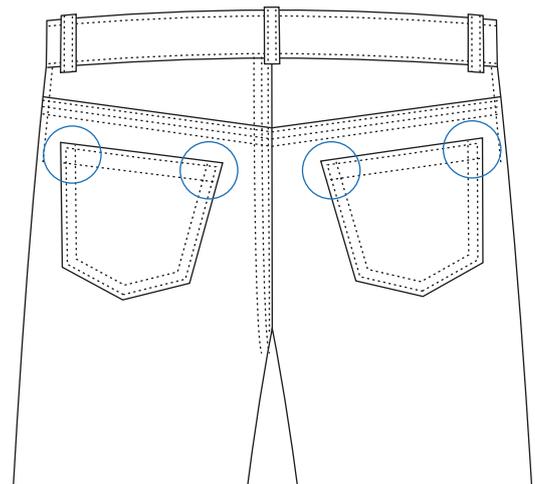
250 Pieces / 1 Hour



The bartack stitches on the back-pocket corners and at the edges of the belt loops damages the fabric during washing; manufacturers began using felt pieces under the bartack stitches. However this operation led to extra man power and time causing extra cost as well as inconsistencies. D-BF 420 is has an electronically controlled automatic felt feeding and cutting system attached to a Brother type head to solve all these in one. Brother type bar tack head is an oil-free, clean and durable machine thanks to the black diamond bar thread pick-up lever and the micro-oil lubrication system direct to the rotary hook. Fabrics are prevented from oil stains.

TECHNICAL SPECIFICATIONS

- **Brother** Electronic direct drive lockstitch bar tacker
- Automatic felt cutting and feeding system
- Felt width - length adjustment feature
- High speed feeding system
- Felt feeding and feeding cycle system
- Minimum Felt Piece Size: Xmm - Ymm

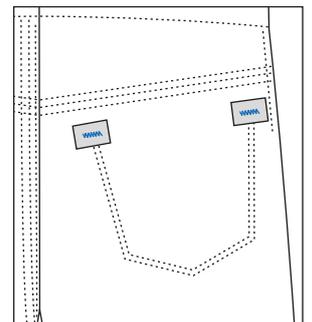
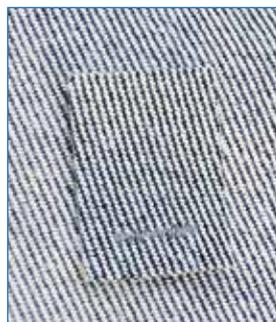


TECHNICAL DETAILS

Max. Sewing Speed : 3200 r.p.m
 Max. Stitch Length : 0.05 - 12.7 mm
 Connection Voltage: AC servo motor 550 W
 Air Pressure : 6 bar

DIMENSIONS

L: 110 cm / W: 60 cm / H: 71 cm
 Packing Size : 130 cm x 77 cm x 115 cm
 Machine Net Weight : approx. 151 kg
 Machine Gross Weight : approx. 171 kg





D-ID 540-S / 9820-02 INDEXER

EYELET BUTTONHOLE WITH STRAIGHT INDEXER
with Brother Type Head, model 9820-02

D-ID 541-A / 9820-02 INDEXER

EYELET BUTTONHOLE WITH ANGLE INDEXER
with Brother Type Head, model 9820-02



Website



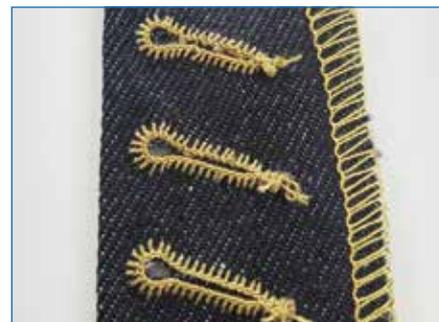
Youtube



PERFORMANCE

600 - 700 Pieces / 8 Hours

75 - 90 Pieces / 1 Hour

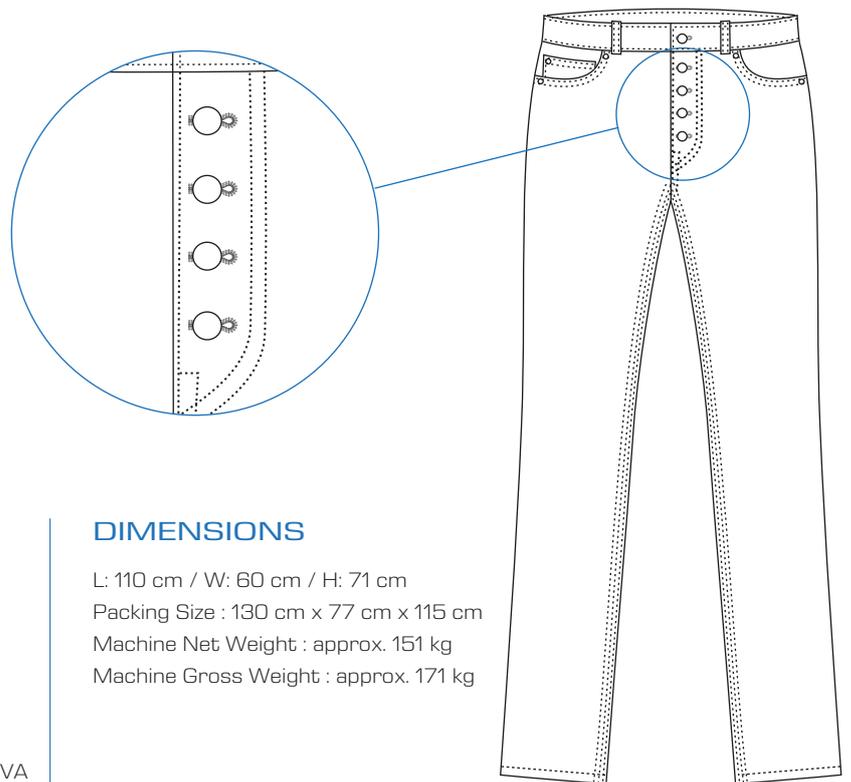


The D-ID 540-S and D-ID 541-A Indexer is for sewing multiple single needle double chainstitch keyhole shaped and round end buttonholes with short tail thread trims on denim fly fronts. The indexer unit ensures buttonholes are sewn automatically one after another at required lengths and pre-set distances from one another. Distance between each buttonhole can be set separately by the operator on the touch screen display.

Improved thread catching structure of the head avoids thread fall off. Special processing of gears and cams on the head leads to a significant reduction of noise and vibration levels by a scientifically tested 8-10 dB. This greatly improves the operator comfort and efficiency.

TECHNICAL SPECIFICATIONS

- Brother Type Head, model 9820-02
- The keyhole buttonhole machine is programmable to sew buttonholes at pre-set distances between each buttonhole.
- Distance between each buttonhole can be set separately.
- 3.0mm-wide zigzag sewing & cutting after-sewing
- Improved looper and thread pick-up system
- The machine can stitch different fabrics with different threads.
- The machine is controlled by servo system that makes the patterns accurate even at high speeds
- Servo control system avoids the initial position checking.
- Improved thread catching structure to avoid thread fall off.

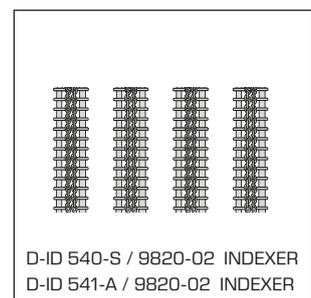
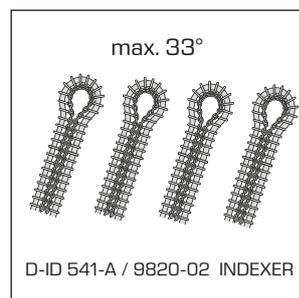
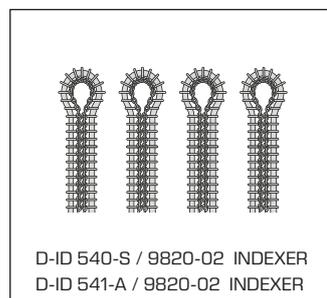


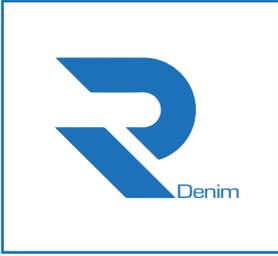
TECHNICAL DETAILS

Max. Sewing Speed : 2.500 r.p.m
 Zigzag sewing width (factory setting) : 2.5mm
 Length of stream thread : 0-20mm
 Span thread: #40
 Tension force of end thread: 30g
 Single phase : 100V/200V
 Three phases : 200V/220V/380V/400V, 400VA

DIMENSIONS

L: 110 cm / W: 60 cm / H: 71 cm
 Packing Size : 130 cm x 77 cm x 115 cm
 Machine Net Weight : approx. 151 kg
 Machine Gross Weight : approx. 171 kg





D-XY 1010G (10 x 10 mm)
D-XY 1022G (10 x 22 mm)
D-XY 2030G (20 x 30 mm)
AUTOMATIC PATTERN SEWER



Website



Youtube



PERFORMANCE

3600 - 4000 pieces / 8 hours
450- 500 pieces / 1 hour



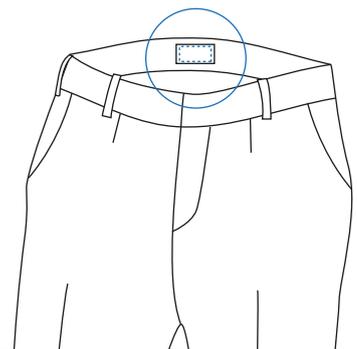
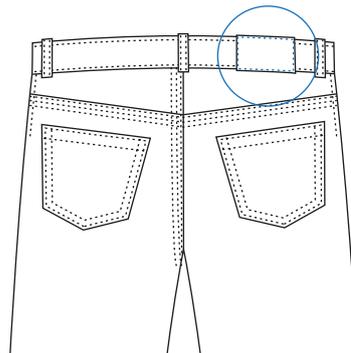
The D-XY 1010G, D-XY 1022G and D-XY 2030G Automatic Pattern Sewer is an / are X-Y motion machines which can stitch patterns like an embroidery machine. The machine adopts computer direct drive without transmission loss and is equipped with electricity-saving motor of which energy consumption is 35% less than a traditional machine.

TECHNICAL SPECIFICATIONS

- Driven by pulse motor, height of lift-presser foot is set as 2-phase.
- Maximum 20,000 stitches / pattern
- Work clamp height : Standart Max. 25 mm - Optional Max. 30 mm
- 2-step presser foot : integrated presser foot & divided presser foot
- Height of intermittent presser foot : 22 mm
- Stroke of intermittent presser foot : 0 or 2 - 10 mm (Factory setting : 3mm)
- Thread wipe device & thread trimmer device
- Data storage : Standard USB interface, U disk storage

ADVANTAGES

- Achieve a beautiful stitch with the minimum resolution of 0.05 mm
- High speed, beautiful stitch , energy-saving
- Easy positioning of sewing greatly reduces set time
- The pedal reacts quickly, which reduces the noise for more comfortable work.

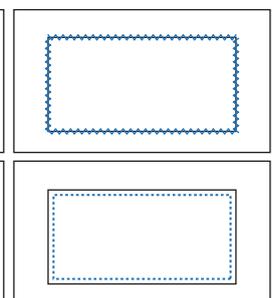
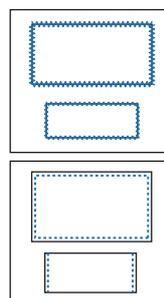
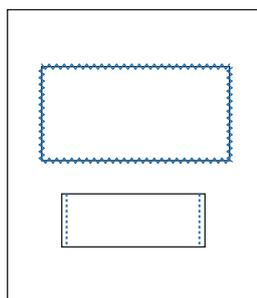
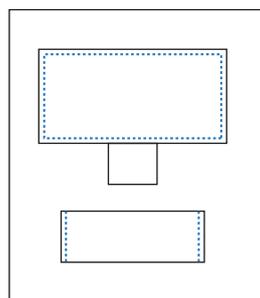


TECHNICAL DETAILS

Stitch Type : Single-needle flat stitch
 Max. Sewing speed: 2,800 rpm
 Stitch length : 0.05 - 12.7mm
 Motor : AC servomotor 750W
 Power : 220V, 3-phase 380V
 Air pressure : 0.5 Mpa 1.7 l/min

DIMENSIONS

L: 110 cm / W: 60 cm / H: 71 cm
 Packing Size : 130 cm x 77 cm x 115 cm
 Machine Net Weight : approx. 105 kg
 Machine Gross Weight : approx. 130 kg





D-BE 9820-02

ELECTRONIC EYELET BUTTON HOLER



Website



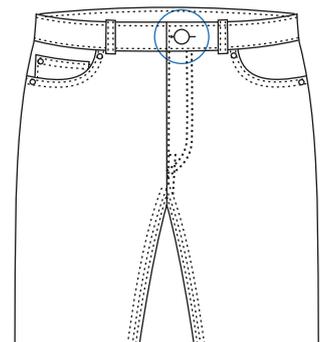
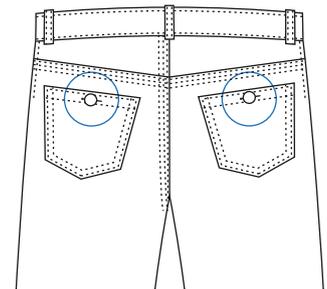
Youtube



Improved thread catching structure to avoid thread fall off. Special processing of gears and cams led to a significant reduction in noise and vibration levels by a scientifically tested 8-10 dB. This greatly improves the operator comfort and efficiency.

TECHNICAL SPECIFICATIONS

- Improved pipe port to make connection much easier.
- Improved looper and thread pick-up, machine can stitch different fabrics with different threads.
- 3.0mm-wide zigzag sewing, after-sewing cutting.
- 2 pieces of polyester serge (one side of one piece has a layer).
- Span thread: #40
- Tension force of end thread: 30g
- Sewing speed: 2,500 rpm
- The machine controlled by servo system, it makes the patterns accurate even in high speed stitching. Servo control system avoids the initial position checking.
- R-W 9820-01 has liquid crystal display (LCD), supported by icon and character display.
- Makes it easier for the operator to understand the setting or changing of the sewing modes.

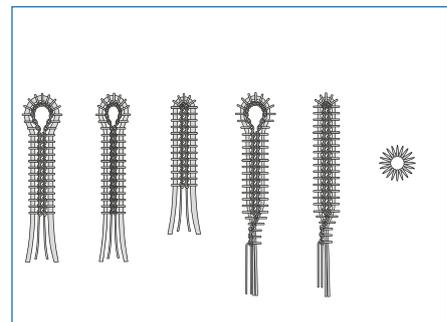


TECHNICAL DETAILS

Max. Sewing Speed : 2.500 r.p.m
 Zigzag sewing width (factory setting) : 2.5mm
 Length of stream thread : 0-20mm
 Single phase : 100V/200V
 Three phases : 200V/220V/380V/400V, 400VA

DIMENSIONS

L: 110 cm / W: 60 cm / 71 cm
 Packing Size : 130 cm x 77 cm x 115 cm
 Machine Net Weight : approx. 151 kg
 Machine Gross Weight : approx. 171 kg





D-BT 430D-01

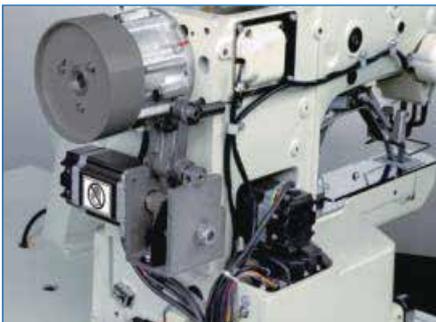
ELECTRONIC BAR TACKING MACHINE



Website



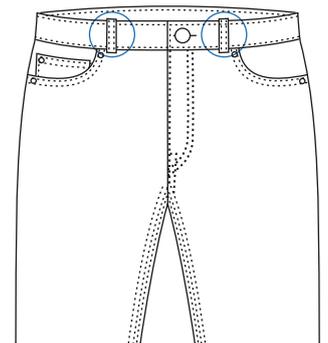
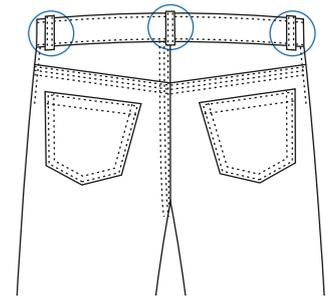
Youtube



Oil-free, clean and durable machine thanks to the black diamond bar thread pick-up lever and the micro-oil lubrication system direct to the rotary hook. Fabrics are prevented from oil stains.

TECHNICAL SPECIFICATIONS

- The machine adopts computer direct drive without transmission loss and is equipped with electricity-saving motor of which energy consumption is 35% less than a traditional machine.
- Driven by pulse motor, height of lift-presser foot is set as 2-phase.
- Easy positioning of sewing greatly reduces set time.
- Moreover, the pedal reacts quickly, which can greatly reduce the noise for more comfortable work.
- In order to shorten the left thread, the machine adopts special movable knife and fixed knife installed near the feeding position.
- Length of the after-cutting thread is 2~2.5 mm, no need for further thread-picking work.
- As for its intense rigidity the feeding device and take-up-lever device, the machine will not undergo bended or warped sewing even at high speed.
- As each pulse analyzes and transmits data with a resolution of 0.05mm, no matter it is slash or curve, machine can finish accurately and smoothly.

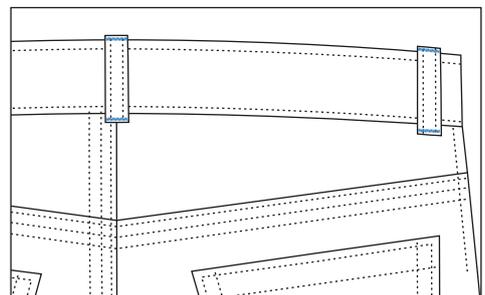


TECHNICAL DETAILS

Max. Sewing Speed : 3,200 r.p.m
 Sewing area (X × Y) : 40×30mm
 Stitch length : 0.05-12.7mm
 Single phase : 100V/200V
 Three phases : 200V/220V/380V/400V, 400VA

DIMENSIONS

L: 110 cm / W: 60 cm / H: 71 cm
 Packing Size : 130 cm x 77 cm x 115 cm
 Machine Net Weight : approx. 151 kg
 Machine Gross Weight : approx. 171 kg





D-EB 438D

ELECTRONIC BUTTON ATTACHING MACHINE



Website



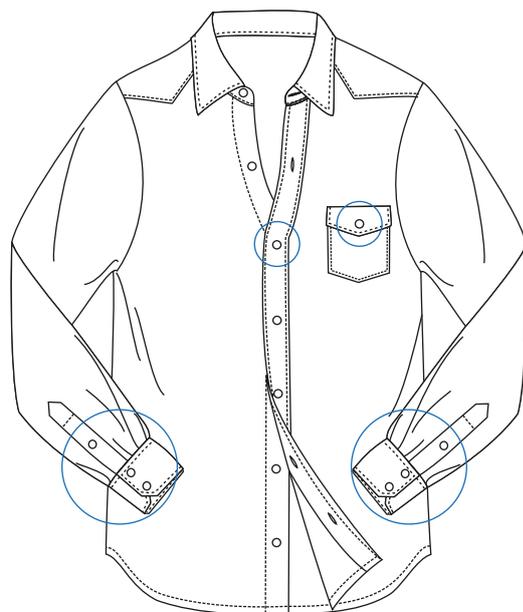
Youtube



Oil-free, clean and durable machine thanks to the black diamond bar thread pick-up lever and the micro-oil lubrication system direct to the rotary hook. Fabrics are prevented from oil stains.

TECHNICAL SPECIFICATIONS

- The machine adopts computer direct drive without transmission loss and is equipped with electricity-saving motor of which energy consumption is 35% less than a traditional machine.
- Driven by pulse motor, height of lift-presser foot is set as 2-phase.
- Easy positioning of sewing greatly reduces set time.
- Moreover, the pedal reacts quickly, which can greatly reduce the noise for more comfortable work.
- In order to shorten the left thread, the machine adopts special movable knife and fixed knife installed near the feeding position.
- Length of the after-cutting thread is 2~2.5mm, no need for further thread-picking work.
- As for its intense rigidity the feeding device and take-up-lever device, the machine will not undergo bended or warped sewing even at high speed.
- As each pulse analyzes and transmits data with a resolution of 0.05mm, no matter it is slash or curve, machine can finish accurately and smoothly.

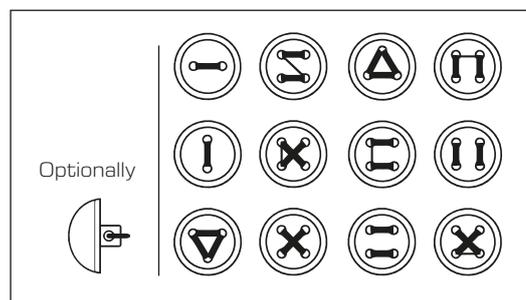
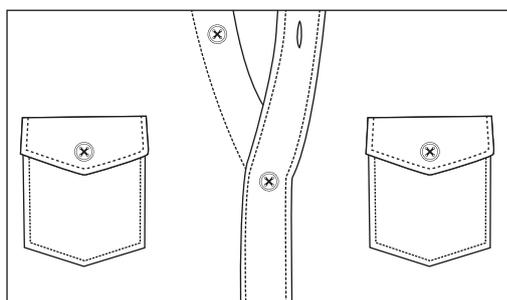


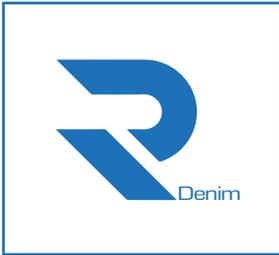
TECHNICAL DETAILS

Max. Sewing Speed : 3,200 r.p.m
 Sewing area (X × Y) : 40×30mm
 Stitch length : 0.05-12.7mm
 Single phase : 100V/200V
 Three phases : 200V/220V/380V/400V, 400VA

DIMENSIONS

L: 110 cm / W: 60 cm / H: 71 cm
 Packing Size : 130 cm x 77 cm x 115 cm
 Machine Net Weight : approx. 151 kg
 Machine Gross Weight : approx. 171 kg





D-LB 630 - IX Cold Cut with Knife

D-LB 631 - IX Ultrasonic

AUTOMATIC CARE LABEL DISPENSER



Website



Youtube



PERFORMANCE

Performance : 5-6 sec. / cycle

1100 - 1200 Label Set in 1 hour

8800 - 9600 Label Set in 8 hours

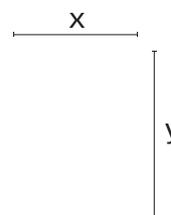


The Automat is used for automatic book-making of up to 8 different washing-care labels from Continuous Rolls of Labels. The automat cuts, optionally folds, collects & puts together 4 to 8 different sizes and lengths of care labels then carries them to the Bartack Sewing head. LB 631 - IX version is equipped with Ultrasonic Cutting system that can cut all various types of label materials in different dimensions.

The LB-630 Series can save up to 10 manual labor from the label preparation operation!

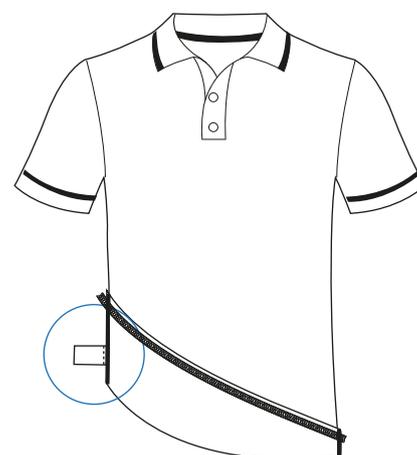
TECHNICAL SPECIFICATIONS

- Brother Type direct-drive Bartacking Head
- PLC Control System
- Beijer Brand, Windows Based 256 Million Color Supported Touch Screen Control Panel
- Automat can cut, optionally fold & combine 4 to 8 different labels from rolls
- The system can work with almost all types of labels including synthetic, paper, satin or mix.
- Label cutting start & finish positions are controlled by photocell
- Label cutting fine adjustments from the touch-panel
- Easy to use Graphics on the Operator Panel with 50 Different Programming
- Sequential / Cycle programming for different label models
- Adjustable Bar-Tack width through touch screen panel
- Very Fast, highly efficient, and easy to use with ONE OPERATOR
- Can save up to 12 manual labor from the Care Label Preparation Operation
- Error Detecting Systems
- Thread monitor



Min x: 10 mm
Max x: 55 mm

Min y: 10 mm
Max y: 120 mm



OPTIONS

- Label Folders on any Label Roll Head which can be turned ON or OFF depending on the requirement

LB 630 - IX

LB 630 - IX / 4 : (4 head)
LB 630 - IX / 6 : (6 head)
LB 630 - IX / 8 : (8 head)

LB 631 - IX

LB 631 - IX / 4 : (4 head)
LB 631 - IX / 6 : (6 head)
LB 631 - IX / 8 : (8 head)

DIMENSIONS (Bar-tack Unit)

L: 110 cm / W: 60 cm / H: 71 cm
Packing Size L: 130 cm x 77 cm x 115 cm

Machine Approx. Weight : 151 kg
Machine Gross Weight : 171 kg

DIMENSIONS (Dispenser Unit -LB 631 - IX / 6)

L: 90 cm / W: 150 cm / H: 122 cm
Packing Size L: 220 cm x 100 cm x 135 cm

Machine Approx. Weight : 260 kg
Machine Gross Weight : 300 kg



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Website



Youtube

ROBOTECH

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