

BASS 5310

Automatic short seamer for pocket facings and pockets (US style)

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Technical Specifications

Dimensions

Length/with bundle clamp1.600 mm
Width950 mm
Height1.300 mm

Table height

Manually adjustable from 890 mm to 1.150 mm

Weight

Basic equipment.....200 kg

Compressed air

Nominal pressure.....20 NI/6 bar

Power supply

Rated voltage220V/50/60 Hz
AC voltage220V/50/60 Hz
Power consumption.....0,7 kWh

Sewing System

Maximum sewing speed 4500 rpm
Stitch length.....0,5-5 mm
Needle system.....134R
Needle size.....80-110 Nm

Examples of output

Stitching on a pocket border: 4500 seams in 8 hours,
stitching front pockets: 2800 seams in 8 hours

Basic equipment

- Top-stitch head Brother 7200 with integrated DC positioning drive and motor controller, AC voltage 190-240 Volts, 50-60 Hz
- Electromagnetic thread cutter
- Micro-processor controller freely programmable, with LCD display and graphical user interface (GUI)
- Main chamber drive by controlled stepper motor
- Sensing the start and end of the sewing material with the help of a photocell
- Locking device for the start and end of the seam, as well as stitch condensation (optionally adjustable)
- Folding and placing station up to 350 mm edge length (max. seam length up to 450 mm)
- Small parts stacker with automatic lowering with the help of the photocell
- Needle thread monitor
- Straight clamp
- Curved clamp
- Height-adjustable frame
- Trays for pocket pouches and borders
- Memory chip
- Scissors for cutting notches

Options :

- Bundle clamp
- Vacuum pump



The BASS 5310 is a sewing system for processing straight and curved side seam pockets pockets as well as all straight pocket facings on pocket pouches of the front and rear sides of trousers.

Advantages

- Up to 4500 pieces of facings on the pocket pouch per day/8 hours, up to 2800 pieces of sewn pockets per day/8 hours (each depending on the seam length)
- Quick learning process
- Simple operation
- Freely programmable
- Flexible sewing system



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More than 6,000 sewing machines worldwide

Since the year 2000, we develop and produce automatic sewing systems for the HAKA and DOB production and market them all over the world. Among others, our range of products include automatic piping pocket, closing seam and serging units as well as engineered workstation

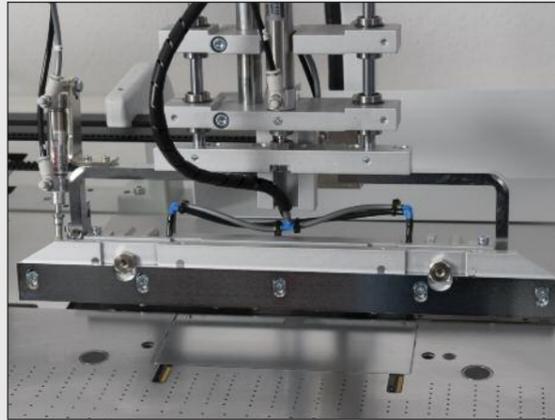
Ranging from the development and construction right up to installation and programming, we complete all work steps in our company in Germany. In this manner, we can ensure uniform and consistently high quality in all stages of production.

Our sewing systems provide functional and process-optimised solutions. We develop small quantities of special machines for specific customer requirements. We shall be pleased to prepare a unique offer even for you.

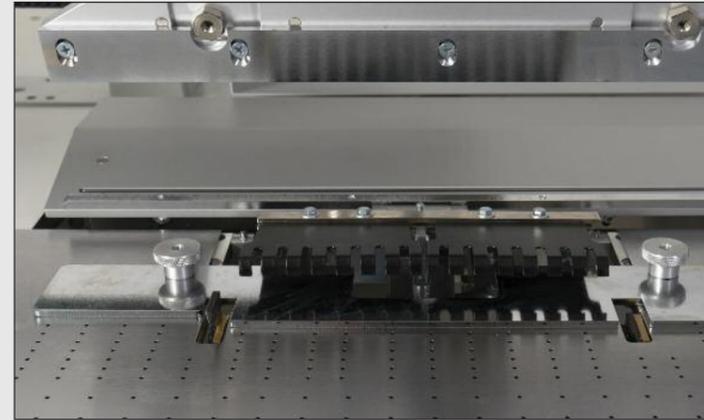


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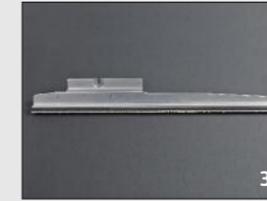
Automatic short seamer for pocket facings and pockets (US style)



Placing station for stitching on pocket facings



Placing station for pockets in the side seam



Set-up changed for curved pockets in the side seam (Figure 1)



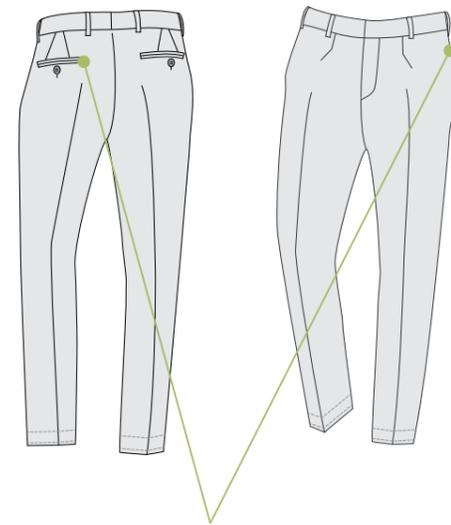
Set-up changed for straight pockets in the side seam (Figure 2)

Stitching on the clamp for pocket facings (Figure 3)



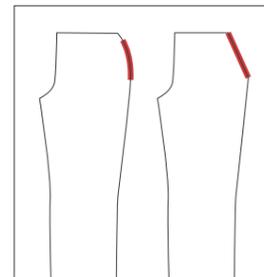
Bundle clamp for side seam pockets

Sample seams

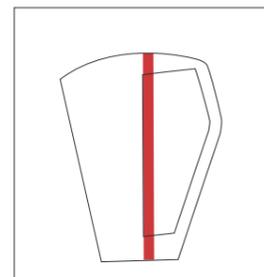


Sewing side seam pockets and felling pocket on pocket pouch

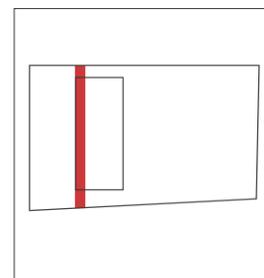
A few examples of the use of the BASS 5310 are illustrated here schematically.



1 Pocket openings in side seam
Straight and curved opening shapes are possible



2 Felling on front trouser pocket pouch



3 Felling on rear trouser pocket pouch

Advantages

- ✓ Operation at the workstation is designed for very quick learning process. The machine functions are marked as graphical icons – the associated function parameters are displayed additionally in the national language configured.
- ✓ Freely programmable controller
- ✓ Processing of pocket facings of all sizes
- ✓ Customised programming for stitch length
- ✓ Optional programming feature for stitch condensation or stitch locking
- ✓ Automatic seam length sensing with the help of a photocell
- ✓ Simple top-stitch width adjustment

Production Process

Program pre-selection:

The pre-programmed seam is selected on the control panel.

Working steps:

Position the front of the trouser on the mechanical stop, activate the vacuum and place the pre-stitched pocket pouch over the trouser part. Now, depending on the shape of the pocket, one or two notching cutters are switched on and the sewing part is brought with the transport clamp below the needle. After the sewing operation, the sewing part is blown off. The operator can prepare the next sewing part just after the sewing part has been accepted by the transport device and thus work in an overlapping and efficient manner.

Automatic sewing process:

The pocket facings is folded fully automatically, positioned, brought under the needle and stitched. After the sewing operation, the transport device accepts the sewing part and brings it to the end position where it is then de-stacked automatically.

Work ergonomics:

The system can be operated as a workstation either in standing or sitting position. The height of the table can be adjusted to the body height of the operator.

Performance Profile

The use of the BASS 5310 ensures an enormous gain in productivity and seam quality. Fully overlapping method of working, as well as consistent sewing results with different materials.

Sewing pockets with side seams – curved and straight shapes. Depending on the shape of the pocket opening, work is done optionally with one or two notch cutters.

The BASS 5310 is a sewing system in which all straight facings and pocket pouches can be stitched rationally and with good seam quality. All top-stitch widths can be adjusted with the help of an efficient pleat system. The program enables sewing over the entire length of the pocket pouch as well as sewing only over the length of the facings.