

# BASS 5800

Sewing system for felling and sewing the fly pieces, pocket facings and wing pockets

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## Technical Specifications

### Dimensions

Length/with bundle clamp .....1600 mm  
Width .....950 mm  
Height .....1.300 mm

### Table height

Manually adjustable from ..... 850 mm to 1.150 mm

### Weight

Basic equipment .....200 kg

### Compressed air

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

### Power supply

Rated voltage .....220V/50/60 Hz  
AC voltage .....220V/50/60 Hz  
Power consumption .....0,7 kWh

## Sewing System

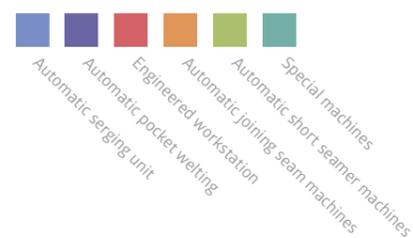
Maximum sewing speed ..... 4500 rpm  
Stitch length .....0,5-5 mm  
Needle system .....134R  
Needle size .....80-110 Nm

## Examples of output

Up to 480 complete trousers (2 x fly piece, 4 x pocket facings)

## Basic equipment

- Lockstitch sewing head Brother with direct drive and motor controller, AC voltage 190-240V, 50/60Hz, with integrated thread cutter
- AC voltage 190-240 Volt, 50-60 Hz
- Electromagnetic thread cutting device
- Micro-processor controller freely programmable, with LCD display and graphical user interface (GUI)
- Folding and placing station (up to 318 mm fly piece length)
- Variable length selection
- Sensing the start and end of the sewing material with the help of a photocell
- Back tacking programmable on seamstart and seam end, as well as stitch condensation
- Small parts stacker
- Automatic cutting notches for the trouser part and the fly piece
- Vacuum device prepares for connection to own vacuum system or vacuum pump
- Needle thread monitor (bobbin thread sensor optional)
- Automatic blowing off of the parts at the end of the seam
- Laser beam marking light
- Height-adjustable frame



The sewing system BASS 5800 is designed for small to medium size trouser production facilities. Beside felling pocket facings on pocket pouches, the left fly piece can be felled and the right fly piece can be felled on, and even the right and left pocket facings can be felled at the opening.

## Advantages

- Up to 480 complete trousers (2 x fly piece, 4 x pocket facings)
- Flexible use for pocket opening, fly pieces and pocket facings
- High utilisation level of the 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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Easy administration and retrieval of the pre-programmed seams for diverse applications



Folder for holding and positioning borders and fly pieces



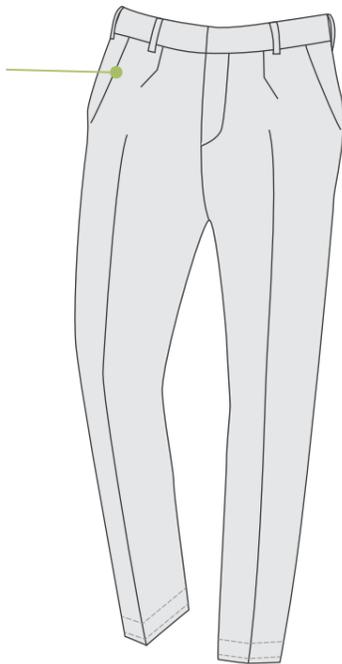
Retracted ruler for placing the zipper and fly piece



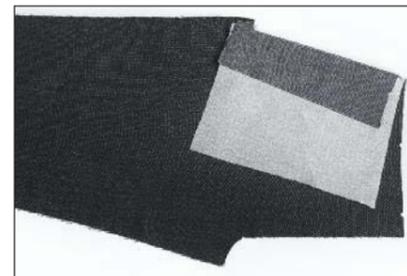
Automatic stacker for pocket pouches

## Sample seams

Incorporating pocket openings, fly pieces and facings on pocket pouches



Three different work steps can be done efficiently and with high seam quality on BASS 5800.



## Advantages

- ✓ Freely programmable controller
- ✓ Processing of pocket facings of all sizes
- ✓ Customised seam length programming
- ✓ Quick learning process
- ✓ High level of utilisation of the sewing system even for small quantities
- ✓ Stitch condensation or seam locking is programmable
- ✓ Overlapping method of working possible
- ✓ Automatic seam length sensing with photocell
- ✓ Use for three different work steps

## Production Process

### Program pre-selection:

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

### Working steps:

Top-stitch the facing:  
After picking up the facings, the pleating operation is initiated automatically and then placed on the pocket pouch. Now the transport unit moves it further to the needle. After sewing, the sewing material gets brought to the stacking position.

### Felling the fly facing on the left side:

The front side of the trousers is fixed on the working table by the vacuum and the left fly piece is placed on the front part of the trouser by the pleating station after it is accepted. The transport unit accepts the sewing piece.

Felling the pocket piece on the left and right sides: The procedure is the same as the left fly piece.

### Stitch on the right fly piece:

The front of the trouser is placed, the edge ruler is retracted to place the zipper half and the fly facing, the zipper and the fly facing are positioned and the main clamp and moves it towards the needle.

## Performance Profile

The productivity of the system is enhanced with consistently high quality by the option of top-stitching pocket facings, pocket opening and also felling fly pieces.

Operation at the workstation is engineered for quick learning process.

The machine functions are marked as graphical icons – the associated function parameters are displayed additionally in the national language configured.

### 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.