

BASS 5300

Automatic sewing machine for
folding and felling pocket facings
on pocket pouches

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Technical Specifications

Dimensions

Length1600 mm
Width950 mm
Height1300 mm

Table height

Manually adjustable from 890 mm to 1150 mm

Weight

Basic equipment200 kg

Compressed air

Nominal pressure20 NI/6 bar

Power supply

Rated voltage220V/50/60 Hz
AC voltage220V/50/60 Hz
Power consumption0,7 kWh

Sewing System

Maximum sewing speed 4500 rpm
Stitch length0,5-5 mm
Needle system134
Needle size80-110 Nm

Examples of output

Felling up to 4500 pocket facings in 8 hours

Basic equipment

- Lockstitch sewing head Brother 7200 with integrated DC motor and motor controller,
- Electromagnetic thread cutter
- Freely programmable micro-processor controller with LCD display
- Main clamp drive by controlled stepper motor
- Sensing the start and end of the sewing material by photocell
- Backtacking or stitch condensation programmable at the beginning and the end of the seam or sewing density as an option
- Laying station up to 360 mm
- Border length (max. seam length up to 450 mm)
- Small parts stacker with automatic lowering (by photocell)
- Needle thread monitoring (bobbin thread monitoring as an option)
- Height adjustable frame
- Trays for pocket pouches and facings



The BASS 5300 is a sewing machine in which all straight facings can be stitched efficiently and with good stitch quality on the pocket pouch.

Advantages

- Stitching up to 4500 pocket facings in 8 hours
- Variable topstitching widths
- Quick learning process
- Simple operation



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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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Easiest preparation and administration as well as retrieval of the saved sewing programs



After placing the pocket pouch and laying the border, the machine performs the following work steps such as in-feed, sewing operation and de-stacking automatically.



Seam length detection by the photo cell



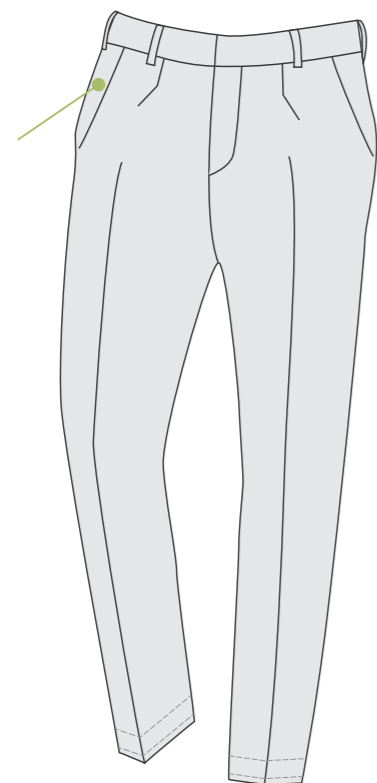
The stacker places the sewing parts for the subsequent operation

Sample seams

Here are a few sewing examples such as pocket pouches with borders for the hip pockets or for the front slide-in pocket.



Stitching straight pocket facings on pocket pouches



Advantages

- ✓ Variable stitching widths
- ✓ Quick learning process
- ✓ Simple operation
- ✓ Freely programmable
- ✓ Backtacking or adjustable stitch condensation possible
- ✓ Stitching of all straight pocket facings possible
- ✓ Display of the machine functions by graphical icons
- ✓ Customised programming of seam lengths
- ✓ Automatic seam length sensing with the help of a photocell
- ✓ Easy adjustment of seam widths

Production Process

Program pre-selection:

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

Working steps:

The border is positioned on the laying station. The pocket pouch is positioned on the table.

Automatic sewing process:

The pleating operation is initiated automatically while picking up the facing and thereafter, it is placed on the pocket pouch. Now the transport unit transports it to the needle. After sewing, the stacking unit brings the sewing material to the stacking position.

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 BASS 5300 is a sewing machine with which all straight facing can be stitched efficiently and with good stitching quality on pocket pouches. Different top stitch width can be adjusted by an efficient folding device.

The program enables sewing over the entire length of the pocket pouch as well as sewing only over the length of the facings.

Operation at the workstation is designed for quick learning process.

The machine functions are marked as graphical icons – the associated function parameters are displayed additionally in plain text.