

BASS 5400

Sewing system for stitching the left side trouser fly section

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Technical Specifications

Dimensions

Length/with bundle clamp1250 mm
 Width1050 mm
 Height1690 mm

Table height

Manually adjustable from 890 mm to 1.150 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 5000 rpm
 (ex factory setting at 4200 rpm)
 Stitch length0,5-5 mm
 Needle system134
 Needle size90-110 Nm

Examples of output

Approx. 3000 pre-ironed fly pieces

Basic equipment

- Lockstitch sewing head Brother 7200 with integrated DC motor and motor controller
- Micro-processor controller freely programmable, with LCD display and graphical user interface (GUI)
- Main clamp drive by controlled stepper motor
- Back tacking programmable on seam-start and seam end, as well as stitch condensation
- Quick adjustment for 4 variable fly widths
- Blowing device to blow off the parts
- Vacuum device prepares for connection to the own vacuum system or a vacuum pump (extra fitting)
- Laser marking (last stitch exactly on the edge of the waist)
- Needle thread monitor (bobbin thread sensor optional)
- Stitch length 285 mm (optional 345 mm)
- Height-adjustable frame
- Memory chip



The BASS 5400 is a sewing system for stitching the left zip fly section. It is characterised by precision and efficiency equally. The seam length detection enables different fly lengths to be stitched automatic.

Advantages

- Up to 3000 pre-ironed fly sections in 8 hours
- Freely programmable controller
- Accurate start and end of the seam



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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

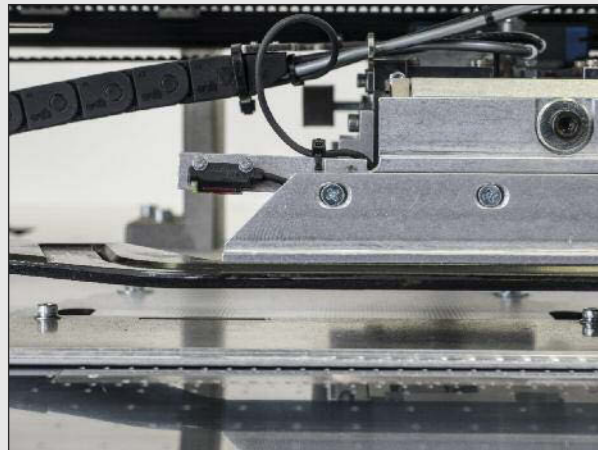
Ranging from the development and construction right up to installation and programming, we complete all work steps in our company in Germany. In this manner, we can ensure uniform and consistently high quality in all stages of production.

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 seam length detection by a photocell



The sewing item positioned exactly in advance by the operator is accepted by the transport clamp

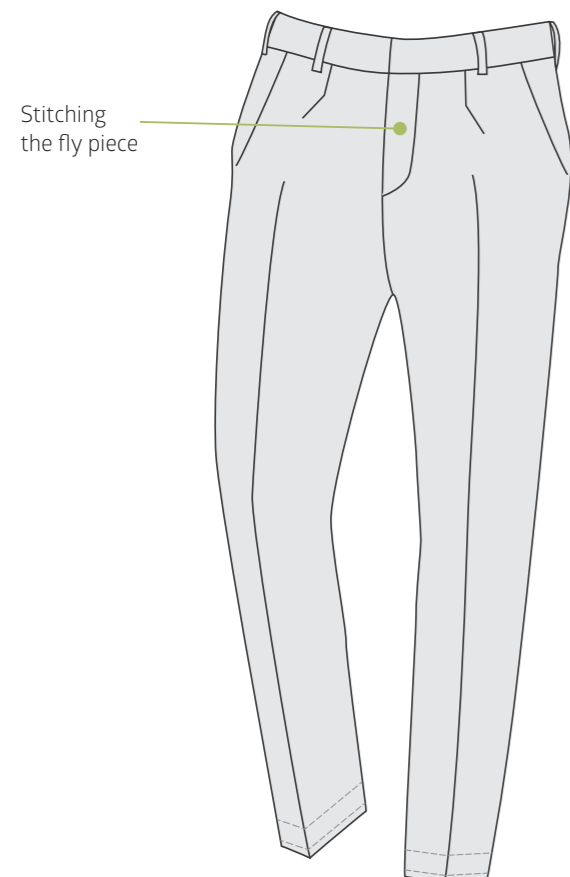


Adjustment of the stitching width using an adjusting wheel



Matching picture of the sewing program

Sample seams



An example for stitching the fly piece. The end of the seam may also lie on the waistband if the style requires this.



Advantages

- ✓ Quick learning process
- ✓ Freely programmable
- ✓ Simple operation
- ✓ Accurate start and end of the seam
- ✓ Automatic seam length adjustment
- ✓ Overlapping working method
- ✓ Maximum repeating accuracy with the help of stepper motor technology
- ✓ 4 different stitching widths that can be retrieved with the help of quick adjustment

Production Process

Program pre-selection:

The pre-programmed seams for different stitch widths are selected on the control panel, and set on the transport clamp.

Working steps:

The left front trouser with the clipped fly piece, the zip puller already drawn up and the waistline stitched previously is placed on the laser marking and held in place by triggering the vacuum. The different stitching widths can be specified by the customer (30–42 mm).

Automatic sewing process:

The transport rail matching the shape of the seam accepts the sewing item and transports it below the needle. The sewing item is stitched starting at the bend of the slot. Depending on the working method, the end of the seam lies exactly on the edge of the waist, in the waistband or on the upper edge of the waistband. The sewing item is blown off automatically at the end.

Work ergonomics:

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

Performance Profile

The BASS 5400 was designed to stitch the left trouser fly piece for classical men's trousers. The operator positions the material with the help of a laser marking. The end of the seam lies exactly below the edge of the waist or on the waistband.