BASS **2565**

Dual-head automatic sewing machine for serging trouser parts with or without knee lining

Technical Specifications

Dimensions
Length ..... 2100 mm
Width ..... 900 mm
Height ..... 1700 mm

Table height
Manually adjustable from ..... 850 mm to 1250 mm

Weight
Basic equipment ..... 225 kg

Compressed air
Nominal pressure ..... 20 Nl/6 bar

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

Sewing System

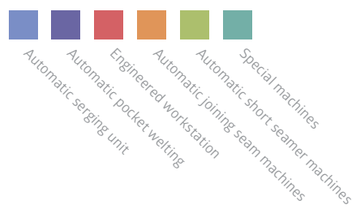
Maximum sewing speed: Pegasus EXT5204 ..... 6000 rpm
Stitch length ..... 1–3,8 mm
Differential ..... 0,7–6 mm
Top transport ..... 1–16 mm
Seam widths ..... 4–6 mm
Needle system B27
Needle size ..... 80 Nm–110 Nm

Examples of output

Up to 2200 rear side of trousers with 4 trimmed seams each or up to
1450 front side of trousers with knee lining and 4 trimmed seams each in 8 hours

Basic equipment

- Two or three thread over-locking machine: 2 x Pegasus EXT5204
- Standard seam width 6 mm (special widths of 4mm or 5mm possible)
- Efka motor, DC or AC 220 V, 50/60 Hz
- Microprocessor controller with LCD display for 20 programs with 8 seams each and memory chip for data backup
- Adjustable height contour guide with roller ventilation
- Yarn stop motion (2-yarn or 3-yarn optionally)
- Automatic chain separation
- Dirt extraction with waste container
- Stacking device
- Machine frame height adjustable



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By operating with independent stepper motor controller for differential and top transport, the BASS 2565 masters the fullness distribution perfectly and without a problem, even for modern, elastic materials.

With simultaneous operation of both sewing heads, two seams can be trimmed extremely efficiently.

AUTOMATED-SEWING-SYSTEMS
Made in Germany

Automated-Sewing-Systems AG

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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.

Advantages

Up to 2200 rear side of trousers with 4 serged seams* each or up to 1450 front side of trousers with knee lining and 4 serged seams each in 8 hours*

Simple selection of the sewing programs

Contour guide working with absolute reliability

Powerful sewing heads for high sewing speeds

Separately controllable stepper motors for differential and top transport

*The back seam and hem are sewn manually, and the crotch seam and side seam are sewn automatically

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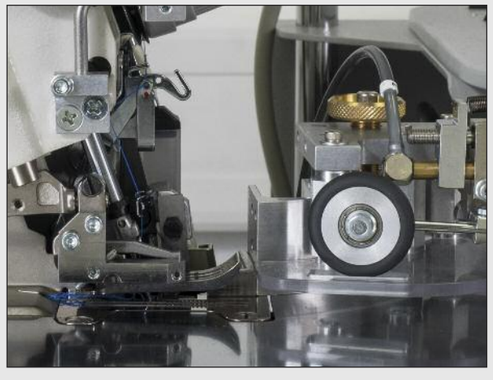
Easy preparation and administration as well as retrieval of the saved sewing programs



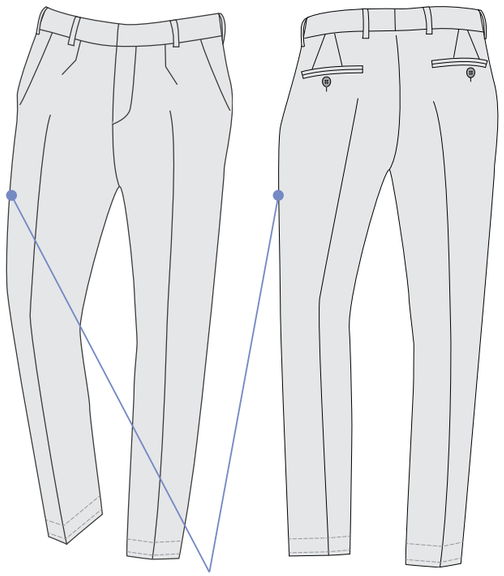
With the quick adjustment, the contour guide is adjusted to the sewing material

Contour guide, photo cell and sewing head form an optimal unit

The exact and fast working stacker unit deposits the sewing parts for further processing.

Stepper motor-controlled differential and top transport

Sample seams



Serging the front of the trouser with knee lining and the rear of the trouser

The sewing widths can be selected. We offer 4mm, 5mm or 6mm seam width.

The sewing result when using the BASS 2565 illustrates the incorporation of additional width in the lining on the one hand and absolutely smooth cover fabric on the other side.

Advantages

- ✔ Simple selection of the sewing programs
- ✔ Freely programmable seam controller with memory for 20 programs
- ✔ Contour guide working with absolute reliability
- ✔ Simple adjustment of fullness distribution via the display
- ✔ Powerful sewing head for high sewing speeds
- ✔ Lining fixing station
- ✔ Automatic discharge with subsequent de-stacking of the sewing material

Production Process

Preliminary and main seams are selected on the control panel.

The preliminary seams:
Hem, slit and hip curves can be sewn manually on the A-sewing head

Program pre-selection:
The sewing program including the fullness specification for differential and top transport is adjusted on the control panel. With the quick adjustment, the contour guide is adjusted to the material.

For knee lining processing:
Before the seam operation, the knee lining is fixed for the 2nd seam at the correct position.

Automatic sewing process:
The sewing part is placed on the contour guide and the sewing operation starts automatically via photocell. The roller device controls the progress of the seam with an assured contour. Thereafter, the sewn part is transported automatically to the 2nd sewing head and the second seam gets serged.

The sewn part is discharged from the working table and is stacked automatically by the stacker device.

Performance Profile

The BASS 2565 is a versatile dual-head automatic sewing machine for processing trouser parts either with or without knee lining.

The separate stepper motor controller for differential and top transport enables accurate specification of the desired width in the lining.

With this feature, the BASS 2565 is particularly suitable for processing modern stretch materials.

The seam begins either at the edge of the waist or at the edge of the hem, and the knee lining sewn on is always below the top fabric.

The adhesive tacker secures the correct position of the lining for the second seam.