

BASS 4100

Engineered workstation for the semi-automatic joining of side and inside seams

BASS 4100

Engineered workstation for the semi-automatic joining of side and inside seams

Technical Specifications

Dimensions

Length/ with stacker..... 2200 mm/3000 mm
Width..... 1100 mm
Height1300 mm

Table height

Manually adjustable from 850 mm to 1.150 mm

Weight

Basic equipment..... 150 kg
Basic equipment with stacker 275 kg

Compressed air

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

Power supply

Rated voltage..... 220V/50/60 Hz
AC voltage220V/50/60 Hz
Power consumption.....0,6 kWh

Sewing System

Maximum sewing speed 6000 rpm
Stitch length.....1,0-3,8 mm
Differential.....0,7-6,0 mm
Obertransport.....1,0-6,0 mm
Needle distances..... 0,9-12 mm
Needle system..... B 27
Needle size.....Nm 80-Nm110

Examples of output

Up to 600 trousers (side and inside seams) in 8 hours

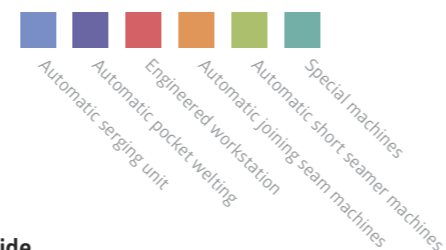
Basic equipment

- Sewing head: Pegasus EXT 3216-03/233-K 5x6-KH-021-H
- Efka Direct Drive AB 286
- AC voltage 220 V, 50/60 Hz
- Microprocessor controller with LCD display and memory chip for data backup
- Adjustable height contour guide unit that can be moved perpendicular to the sewing direction
- Interface for pneumatic stacker connection
- Manually adjustable fullness distribution with differential transport and top feeding
- Automatic thread cutter
- Automatic chain separation
- Dirt extraction with collection container
- Preparation table with guide clamp and reverse device
- Stepper motor control for differential and top feeding
- Preloading station for overlapping working method

Options:

- Sewing head for denim: Pegasus EXT 3216-04/435-K 5x6-KH-021-H (high lift)
- Sewing head for medium-heavy material: Pegasus EXT 3244-03/333-K 5x2x4-KH-021-B
- Folding stacker
- Additional conveyor transport

You may enquire about individual sewing threads with various seam widths from us or your Pegasus dealer.



Automated-Sewing-Systems AG

Am Beetacker 3 · 63856 Bessenbach
Fon: +49 6095 99233-0
Fax: +49 6095 99233-20
E-Mail: info@assag.de
Internet: www.assag.de

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.



The BASS 4100 is a sewing machine to produce assembly seams. Can be used for side and inside seams on trousers, as well as for assembly seams on sports jackets and skirts. The selection of three stitch types, safety seam, double chain stitch and overlocking stitch enables varied use for women's outerwear and men's and boys' outerwear.

Advantages

- Up to 2400 seams per day/8 hours
- Simple selection of the sewing programs
- Proven combination of manual and automated seams
- Contour guide working with absolute reliability
- Powerful sewing head for high sewing speeds

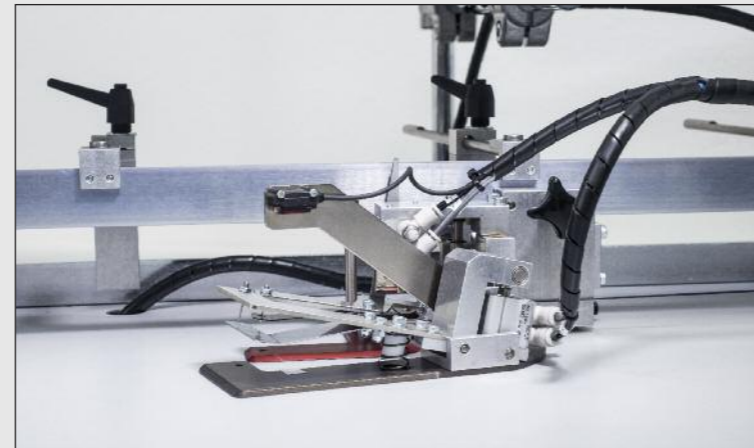


BASS 4100

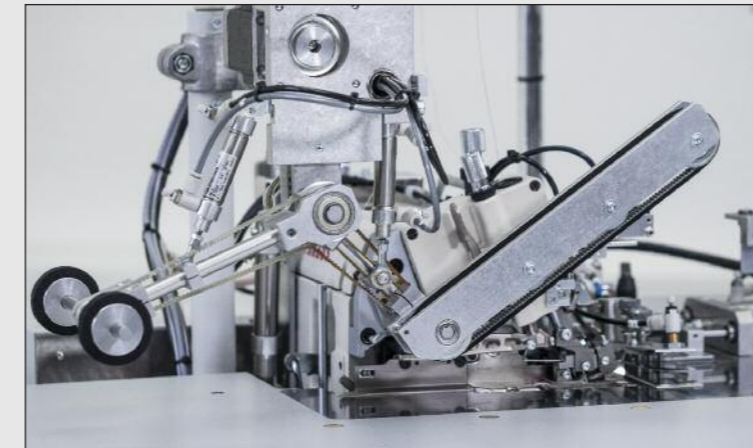
Engineered workstation for the semi-automatic joining of side and inside seams



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



The sewing material is guided optimally with the guide clamp



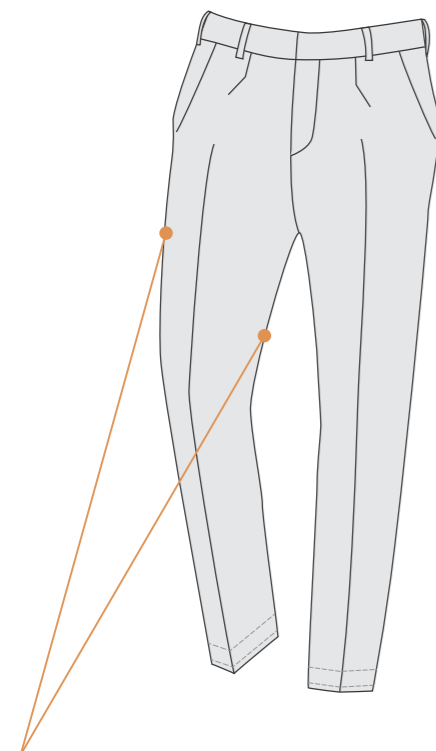
Absolutely reliable contour guide working and additional conveyor transport



Fully automatic de-stacking device

Sample seams

Here is an example of a seam with the stitch pattern 516 safety. We optionally offer overlocking stitch, double chain stitch and also 6-thread safety stitch.



Close side and inside seams

Advantages

- ✓ Simple selection of the sewing programs
- ✓ Proven combination of manual and automated seam
- ✓ Contour guide working with absolute reliability
- ✓ Powerful sewing head for high sewing speeds
- ✓ Quick learning process
- ✓ Fully overlapping working sequence possible

Production Process

Program pre-selection:

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

Manual working steps:

The contour guide is adjusted to the sewing material. The sewing part is fixed in place with the guide clamp. Difficult sewing sequences, e.g. sharp hip bends or side and slanted pocket seams are guided manually. The automatic sewing process gets initiated after releasing the contour guide.

Automatic sewing process:

The residual seam is sewn in a sewing operation and the chain is automatically separated. Next, the finished sewing part is stacked.

Work ergonomics

The system is designed as a standing workstation, and can be operated both with a foot switch and a knee switch. The height of the table can be adjusted to the body height of the operator.

Performance Profile

The BASS 4100 is a sewing system for assembly seams. Can be used for side and inside seams on trousers, sports jackets and skirts. The easy-to-use system guarantees high working productivity with a very short learning time.

You can use a safety seam, double chain stitch seam or overlock seam as the stitch pattern. The beginning and end of the seam are controlled by photocell sensing. An accurately adjustable contour guide ensures consistent seam widths over the entire length of the seam.

The fullness distribution can be adjusted partially by programming. The practically proven device enables smooth changeover from manual sewing, e.g. over the pocket opening, and the automatic sewing of the rest of the seam.