

BASS 5160

Automatic machine for
gorge seams

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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 1150 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 |
| Maximum seam length | 125 mm |
| Stitch length | 0,5-4,5 mm |
| Needle system | 134 |
| Needle size | 80-110 Nm |

Examples of output

Up to 450 prefabricated collars per day/8h

Basic equipment

- Lock stitch head Brother 7300 with integrated DC positioning drive 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
- Back tacking at the beginning and end of the seam or stitch condensation as an option
- Needle thread monitoring
- Manually adjustable frame height from 850 mm to 1150 mm
- AC voltage 190 V-240 V, 50/60 Hz
- Bundle clamp

Options:

- Vacuum pump
- Bobbin thread sensor



The BASS 5160 is a sewing machine for gorge seams.



Advantages

- Up to 450 prefabricated collars per day/8h
- Quick learning process
- Simple operation
- Freely programmable



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.

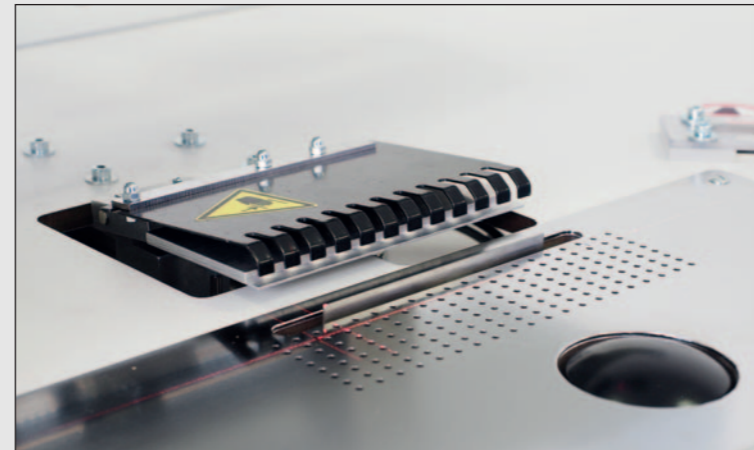


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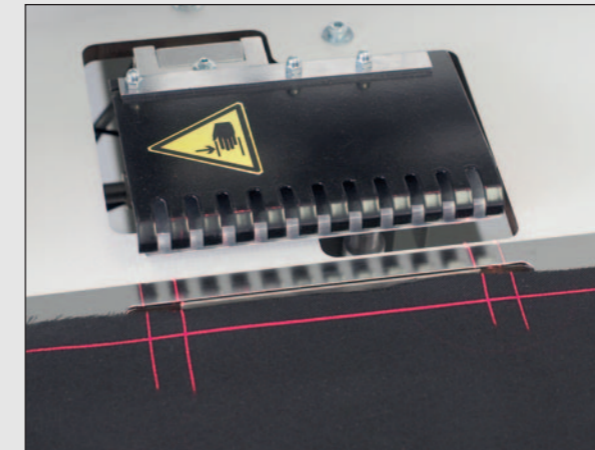
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Easy preparation and administration as well as retrieval of the saved programs



Laying station for gorge seams

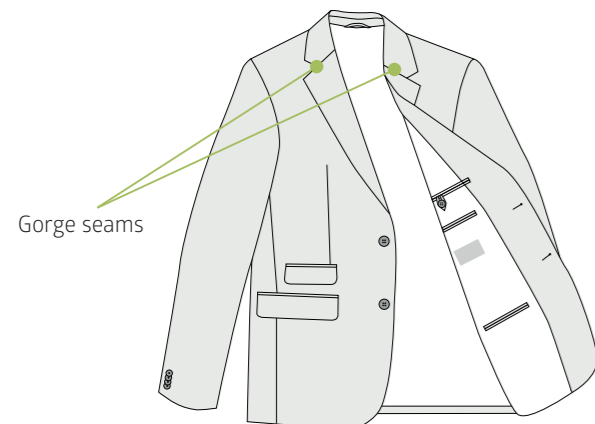


Laser marking lamps for exact positioning



Bundle clamp

Sample seams



Gorge seams

A few examples of the use of the BASS 5160 are illustrated here. A high level of sewing accuracy characterises the BASS 5160 for the production of gorge seams



Advantages

- ✓ Quick learning process
- ✓ Simple operation
- ✓ Freely programmable
- ✓ Back tacking or adjustable stitch condensation possible
- ✓ Display of the machine functions as graphical icons
- ✓ Customised programming of stitch length
- ✓ Automatic seam length sensing by photocell

Production Process

Program pre-selection:

The programmed seam is selected on the control panel.

Manual working steps:

The right facing will be loaded on the left docking point, fixed with vacuum and clamped. The collar is loaded on the collar docking station and the laser, and also clamped. Now the transport unit transports it to the needle and the gorge seam is sewing. During the seam the left facing will be loaded on the right docking point. If the first seam is finished earlier as the loading for the facing, the transport unit hold the fabric until the loading clamp is closed. When the loading clamp is closed, the transport unit open. Now the transport unit takes over and the second seam is sewing. After seam end the sewing item is blown off automatically (water fall principle).

Work ergonomics:

The system can 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 use of the BASS 5160 ensures enormous savings in time with respect to productivity by the completely overlapping working method as well as consistent sewing results with various materials.