

EWS 6450

Sewing machine for processing closure seams on previously finished sleeves with and without seam interruption

EWS 6450

Sewing machine for processing closure seams on previously finished sleeves with and without seam interruption

Technical Specifications

Dimensions

Length/with bundle clamp1300 mm
Width/with stacker800 mm/1400 mm
Height1500 mm

Table height

Manually adjustable from 850 mm to 1150 mm

Weight

Basic equipment120 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 6000 rpm
Stitch length1,0-3,8 mm
Differential0,7-6,0 mm
Obertransport1,0-6,0 mm
Nahtbreite0,9-12 mm
Needle systemB 27
Needle size80-110 Nm

Examples of output

Up to 800 pairs of sleeves (depending on the seam length) in 8 hours

Basic equipment

- Sewing head: Pegasus EXT3216-03/233-K 5x6-KH-021-H
- Efka direct drive AB 286 AC voltage 190 V-240 V 50/60 Hz
- Micro-processor controller with LCD display and memory chip for data backup
- Contour guide unit (can be moved perpendicular to the sewing direction)
- Interface for pneumatic stacker connection
- Automatic chain separation in case of sewing interruption
- Automatic photocell sensing for the beginning and end of the seam
- Stitch condensing programmable fullness distribution by differential upper and bottom feed via stepper motor controller
- Chain separation with dirt extraction and waste container
- Machine frame of adjustable height
- Dirt extraction with collection container
- Throw-over stacker 201/6-2 (for 500 mm wide parts)
- Transport for sewing interruption with thread cutter
- Auxiliary guide roller on the contour guide
- Memory Chip



The sewing machine EWS 6450 is the rational and simple solution for closure seams or previously finished fabric and lined sleeves, with and without seam interruption.

- ### Advantages
- Up to 800 pairs of sleeve seams in 8 hours
 - Freely programmable controller
 - Quick learning process
 - Easy retrieval of the sewing programs



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.



EWS 6450

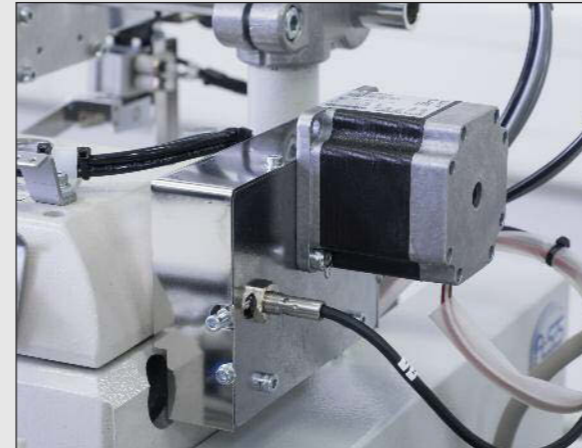
Sewing machine for processing closure seams on previously finished sleeves with and without seam interruption



Easy administration and retrieval of the pre-programmed seams via the program controller



The accurately adjustable contour guide ensures consistent seam widths over the entire seam length even with seam interruption



Fullness adjustment via stepper motor

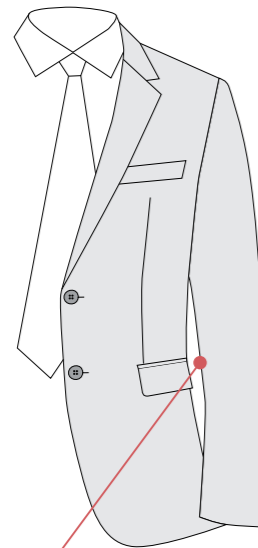


Fully automatic stacking device



Auxiliary transport clamp for sewing interruption

Sample seams



Closing the outer material and lined sleeve seam

Here is a sports jacket sleeve, underarm seam closed with the EWS 6450



Advantages

- ✓ Freely programmable controller
- ✓ Quick learning process
- ✓ Easy retrieval of the sewing programs
- ✓ Fullness adjustment via program control
- ✓ Simple operation
- ✓ Automatic chain separation
- ✓ Automatic sewing interruption according to the programming
- ✓ Automatic transport for sewing interruption with thread cutting feature

Production Process

Program pre-selection:

The programmed seam is selected on the control panel.

Manual working steps:

The contour guide is adjusted to the sewing material. The sewing parts are taken from where they are stored, placed on the table-top and brought congruently to the needle. The outer material seam is sewn manually up to the lining seam (lining by hand). Next, the contour guide is moved in and the automatic seam is initiated with the help of the pedal.

Automatic sewing process:

After starting the sewing operation, the seam is sewn up to the sewing interruption. In case of sewing interruption, the transport device takes the sewing material and brings it to the position of the next start of the seam in order to complete sewing the part. Next, the ready-made sewn section is placed by the stacker (201/6) for further processing.

Work ergonomics:

The machine is constructed with a sitting workplace for the operator. The table height can be adjusted individually to the operator

Performance Profile

The EWS 6450 sewing machine is a compact and powerful workplace for closing elbow seams.

Sewing interruption in the sleeves with lining is programmed and executed automatically. The sewing head, Pegasus EXT 3216-03 works with a double chain stitch seam (Type 401).

The beginning and end of the seam are controlled by photocell sensing. An adjustable contour guide that can be moved laterally ensures consistent seam widths over the entire length of the seam.

The multi-width distribution can be adjusted partially by seam programming.