

OPERATING INSTRUCTIONS

Hot cutting device, series HSG-00.

1. General instructions

The device is suitable for separating and, at the same time, bonding the selvages of cords, ropes, cables, belts and braided cable sleeveings made out of fully synthetic fibres such as polyamides, polyacrylnitrile, polyester, polyethylene etc.

The prerequisite for that is, however, that the material is made up of fully synthetic fibres, without the weaving of non-meltable threads.

The carbide tip (35 mm) directly heated electrically via a safety transformer is heated up to 600°C in 6 to 8 seconds. Every thermoplastic material which comes into contact with that carbide tip melts. In the splice of threads, the individual warp and weft threads tend, if they are at a sufficiently close distance, to flow into each other and thus form a complete, welded selvedge. Selvages bonded in that way do not fringe out; they prevent tears and make it unnecessary to stitch up.

ATTENTION!

- * The vapours resulting during cutting should be removed when working in rooms with a suction device.
 - * PVC and PVC-coated materials are not allowed to be machined due to the harmful vapours resulting during cutting.
 - * Beware of the danger of burning when handling the device.
 - * The carbide tip can reach temperatures of up to approx. 600°C. Do not touch the carbide tip after switching on the device.
 - * Do not lean the device or the carbide tip against objects, as long as the carbide tip has not fully cooled down.
-

On the front side of the casing there are:

luminous rocker switches 0 = OFF

On the rear side there are:

mains cables

Mains fuse - see the wiring and connection diagram.

2. Commissioning

- Check whether the existing line voltage corresponds with the voltage quoted on the nameplate.
- Use the carbide tip only when the device is off.
The rocker button on the switch does not light up.
- Fix the carbide tip in the two cutting tool holders (terminals)

ATTENTION!

When inserting the carbide tip, make sure that the screw joint is tight, to guarantee a perfect passage of current. Poor connections or loose screw joints cause the terminals to heat up unnecessarily, the efficiency of the carbide tip falls and the heating-up on one or both terminals can lead to burning.

- After actuating the rocker button on the switch, the lamp lights up. The device is ready for operation.

After a few practice cuts, the operator will easily obtain the right feeling for setting the device and guiding the material to the carbide tip.

Note

The terminals on the cutting tool holder for accommodating the carbide tip are separated galvanically from the mains by means of a safety transformer. The voltage (0,65 volt) on the terminals is under 24 volts of protective voltage.

3. Spare parts

When ordering spare parts, please quote :
the device model
the device no.

4. Fault clearance

To avoid accidents, repair and assembly work must fundamentally be carried out when the device / machine is off.

Some work requires however that the device / machine is ready for operation. Special care must be taken in such cases. Always make sure that the device / machine cannot be put into operation during the repair and assembly work.

A differentiation is made between :

a) Faults in the mechanical equipment

Mechanical faults can occur due to improper operation, wear and tear etc.. When clearing the fault, it is important that the cause of the fault is also found and cleared.

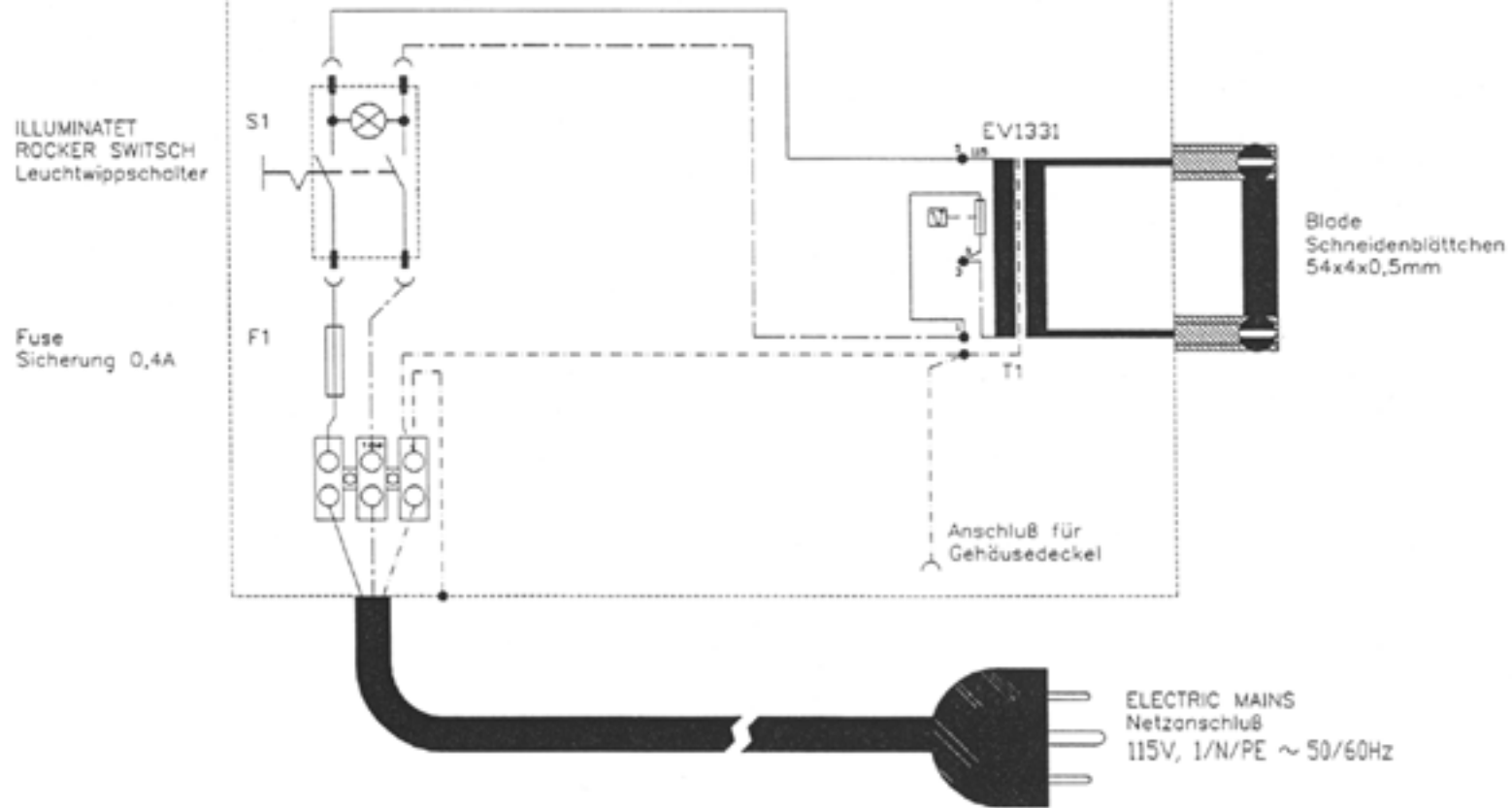
b) Faults in the pneumatic equipment (if existent)

Here too it is important that the cause of the fault be recognized and cleared on the basis of the symptoms. In case of doubt, we recommend that the HSGM GmbH be consulted for advice and information.

c) Faults in the electrical equipment/electronics

In this respect, a differentiation must be made between the component parts and units necessary for operating the device / machine and the electronics, e.g. the temperature control system. Whereas faults on switches and relays are relatively easy to clear, faults inside the electronics are, even for electricians, very difficult to find. If the cause of faults cannot be solved, we recommend therefore that the HSGM GmbH be consulted for advice and information. It is, in that respect, very important that the characteristics of the faults be recognized and described as precisely as possible. Only then can the HSGM GmbH provide reliable clarification and assistance.

Gehäusotyp G1



HSG-00 ab 4/1999

Benennung: Heisschneidegerät
115V

Zeichn.Nr. EG100194

Blatt: 1

Datum	Name
14.04.1999	Groß

Änderung	Datum	Name
vorher EG100039		

Artikel Nr.

HSGM GmbH
D-65396 Walluf