

Operating instructions

(Translation from German original version)

Heat cutter Type HSG-00-VW



These operating instructions are to be treated confidentially.

Assignment to third parties is prohibited and obliges to pay damages.

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Operating instructions

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Operating instructions

1. Symbols used



This instruction manual is part of this product. Please read this instruction manual carefully and keep it for later use!

Warning sign

In this operating manual and, if necessary, also on the device, the following warning signs are used for occupational safety instructions where there is a danger to life and limb of persons.

Follow these instructions and behave particularly carefully in these cases.



Attention danger in general!



Danger from electric current
or voltage!



Danger from hot surface!

Prohibition signs



Do not dispose of in
household waste!

Mandatory signs



Use eye protection!



Use protective clothing!



Use protective gloves!



Operating instructions

2. Warning Concept/Signal Words

This operating manual contains information that you must observe for your personal safety and to avoid property damage. The notices are highlighted by one of the above warning signs, notes for sole information are without warning signs. Depending on the hazard level, the warnings are displayed in decreasing order as follows.

Warnings/Signal Words



DANGER!

Means that death or serious bodily injury will occur if the appropriate precautions are not taken.



WARNING!

Means that death or serious bodily injury can occur if the appropriate precautions are not taken.



CAUTION!

Means that minor bodily injury can occur if the appropriate precautions are not taken.



ATTENTION!

Means that property damage can occur if the appropriate precautions are not taken.



HINT!

Means important information about the product or the highlighting of a part of the documentation to which special attention should be drawn.

If several hazard levels occur, the warning for the highest level is always used.

If a warning warns of personal injury with the warning triangle, then a warning of property damage may also be attached to the same warning.



Operating instructions

3. Functional description and intended use



HINT!

The device is used in the commercial sector.

The device is suitable for cutting and simultaneous edge welding of cords, ropes, ropes, belts and braided tubes made of fully synthetic fibers such as polyamides, polyacrylnibril, polyester, polyethylene, etc.

The prerequisite, however, is that the material consists of fully synthetic fibers, without any non-melttable threads.

The cutting belt, which is electrically heated directly via a safety transformer, is heated to approx. 600 °C in 6 to 8 seconds. Any thermoplastic material that comes into contact with this cutting belt will melt. In the thread bond, the individual warp and weft threads tend to flow into each other at a sufficiently close distance and thus form a gapless, welded edge. The edges welded in this way do not fray, prevent tears and in many cases make sewing unnecessary.



ATTENTION!

Operation under adverse environmental conditions is not permitted.

Adverse environmental conditions are:

- Wetness or excessive humidity,
- Dust and flammable gases, vapours or solvents,
- Strong vibrations.



Operating instructions

4. Safety



ATTENTION!

In the event of damage caused by non-observance of these operating instructions, the warranty claim expires! We assume no liability for consequential damages! We assume no liability for property damage or personal injury caused by improper handling or non-observance of the safety instructions. In such cases, any warranty claim will expire.



Hints

1	For safety reasons, unauthorized modification and/or modification of the heat cutting device is not permitted.
2	The voltage source may only be a proper mains socket (230 volts / 50 Hz) of the public supply network.
3	Devices that are operated on mains voltage do not belong in children's hands. Therefore, take special care in the presence of children
4	Make sure that the heat cutting device is properly commissioned. Please refer to these operating instructions.
5	Commissioning must be carried out by suitably qualified persons to ensure the safe operation of this product. The operator must ensure that all employees who handle the device have read and understood the operating instructions.
6	Observe all safety and hazard instructions on the appliance and keep them in legible condition.
7	Make sure that the power cord does not come into contact with heat, oil or sharp edges when operating the appliance. Damaged power lines can cause fires, short circuits, and electric shocks.
8	Do not expose the heat cutter to high temperatures, strong vibrations or moisture.
9	In addition to the safety instructions in this operating manual, the applicable safety, accident prevention and environmental protection regulations must be observed.
10	Spare parts must comply with the technical requirements set by the manufacturer. The installation of parts that are not original parts can lead to a hazard to people and equipment. This excludes any liability of the manufacturer.



CAUTION!

The fumes produced during cutting must be removed with an extraction device directly at the cutting blade when working in rooms, or only work in well-ventilated rooms.

PVC and PVC-coated materials must not be processed because of the harmful fumes produced during cutting.



Operating instructions



CAUTION!

Be aware of the risk of burns when handling the device!

The cutting blade can reach temperatures up to about 600° Celsius. Do not touch the cutting blade after turning on the device. Do not lean the machine against objects until the cutting blade has cooled down completely.



DANGER! DANGER TO LIFE DUE TO ELECTRIC SHOCK!

If water penetrates the housing, a fatal electric shock can occur.

Keep the device away from the water.

If water penetrates, immediately unplug and stop using the device.

5. Personal protective equipment



HINT

The following protective equipment must be worn when working on the device:

- Eye protection
- Protective clothing
- Gloves

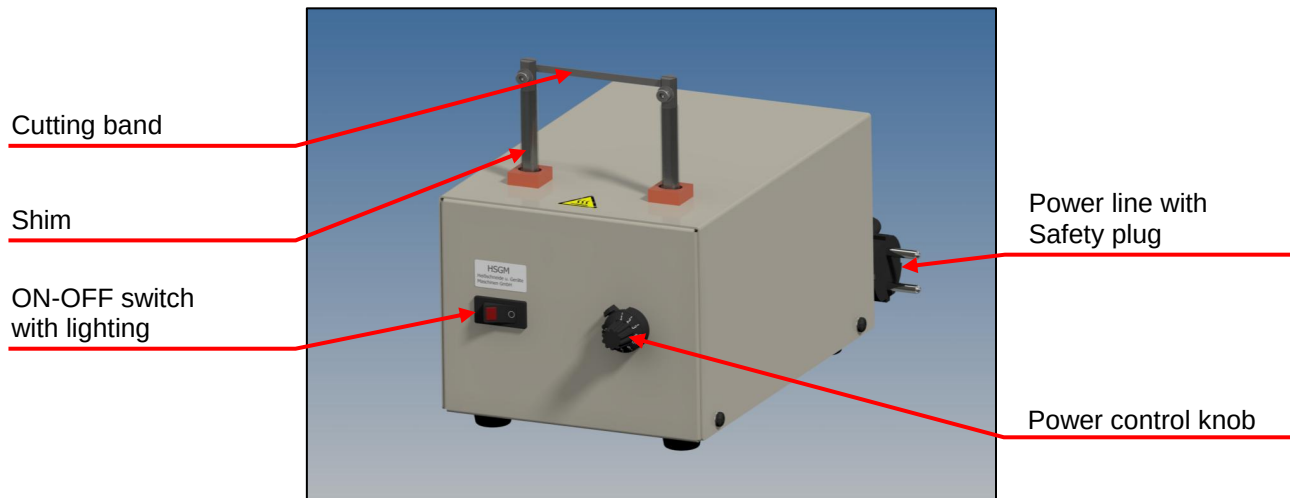


WARNING!

Molten plastic and splashes can cause serious burns or eye damage!

Operating instructions

6. Structure of the device



7. Commissioning

- Check that the existing mains voltage matches the voltage indicated on the nameplate.
- Only insert the cutting band when the device is switched off.
- The rocker of the on-off switch is in the -0- position.
- The signal light of the on-off switch does not light up.
- Attach the cutting band to the two clamping pieces.
- When inserting the cutting band, care must be taken to ensure a tight screw connection to ensure a perfect passage of current.



ATTENTION!

Poor connections or loose screws lead to unnecessary heating of the clamping pieces, the working performance of the cutting band decreases and heating on one or both clamping piece(s) can lead to damage to the hot cutting device.

- After pressing the on-off switch, the device is ready for operation.
- ☞ Basic setting of the power control knob:
The effective setting ranges must be determined empirically, as the power requirement of the cutting band depends heavily on the type and thickness of the material to be cut and the cutting speed, and is therefore subject to significant fluctuations.
- Slowly turn the power adjustment knob clockwise to the right until the cutting band has reached the optimum working temperature.
- ☞ This means that the cutting band will now heat up.



Operating instructions

8. Handling

Never operate your heat cutter as soon as it is moved from a cold to a warm room. The resulting condensation can destroy your hot cutting machine under unfavourable circumstances.



HINT!

First, let your hot cutter come to room temperature when it is not switched on.



ATTENTION!

The operator is obliged to operate the device only in perfect condition.
Danger spots that arise due to the linking of equipment must be secured by the operator.

9. Maintenance



ATTENTION!

Switch off the appliance before cleaning or maintenance work and secure it against accidental switch-on.
This is done by unplugging it.
The operator must be able to check that the mains plug is still removed from any place to which he or she has access.



CAUTION!

The cutting blades of the device become very hot during operation.
When handling the cutting blades of the device, be aware of the risk of burns.
The cutting blades can reach temperatures up to about 600 ° Celsius.
Before cleaning, let the cutting blades cool for at least 15 minutes.



HINT!

Repairs may only be carried out by the manufacturer or its customer service.



Operating instructions

Regularly check the technical safety of your heat cutting device, e.g. damage to the power cable or housing. If the mains connection cable of this device is damaged, it must be replaced by the manufacturer or its after-sales service or a similarly qualified person to avoid hazards.

If it can be assumed that safe operation is no longer possible, the equipment must be decommissioned and secured against unintentional operation. Unplug from the socket!



HINT

It can be assumed that a safe operation is no longer possible,

- if the device has visible damage,
- if the device stops working, and
- after prolonged storage under unfavorable conditions, or
- after heavy transport loads.

10. Troubleshooting



ATTENTION!

Be sure to follow the safety instructions as described in chapter 4 described.

With this heat cutting device, you have acquired a product that has been built according to the state of the art and is operationally reliable.

Nevertheless, problems or disruptions may occur.

Therefore, we would like to describe here how you can fix possible malfunctions:

Problem	Possible cause of the fault	Removal
No function	ON-OFF switch not pressed	Press ON/OFF switch
	Device power plug not in the socket	Plug in appliance power plug
	Cutting strap not clamped	Clamp cutting belt
	Built-in fine fuse blown	Contact Customer Service



Operating instructions

11. Specifications

Type	HSG-00-VW
Line voltage:	230/240 V/115 V - 50/60 Hz
Class:	I - Protective earthing
Recording power:	140 W
Mode:	Continuous operation 100% ED
Dimensions:	155 x 235 x 130 (200) mm
Weight:	4,8 kg
Fuse Rating:	Mains voltage 230/240 V: 1,0 A inertia Mains voltage 115 V: 1,6 A inertia
Other:	Power switch with signal lamp Power cable 2 m long, with safety plug

12. Ambient conditions

Type	HSG-00-VW
Operating temperature range (min. +max.):	+5 °C to +40 °C
Relative humidity:	max. 85 %
Atmospheric pressure:	600 to 1000 hPa

13. Spares and accessories

Naming	Article
Cutting belt 2 l=88 mm - WB=70 mm	2700709001
Cutting blade HS-S-15°-60°-00-VW ¹	2700700619
¹ Only for devices manufactured after August 2015. Devices can be retrofitted on request.	
Clamping piece complete with nuts and bolts	1100030401

14. Disposal



HINT!

The symbol of the "crossed-out garbage can" means that the device must not be disposed of in the household waste!

An unusable device can be returned free of charge to the retailer or the manufacturer, or disposed of at a designated collection point for waste electrical and electronic equipment.

If the old electrical or electronic equipment contains personal data, you are responsible for deleting it yourself before returning it.



Operating instructions

15. Warranty

You get a 1-year warranty for this device. The cutting band is excluded from the warranty.

The warranty claim begins on the day of purchase.

This warranty covers all defects resulting from any defects in materials or workmanship.



HINT!

The warranty is void in the event of improper or abusive handling.

16. EU Declaration of Conformity

according to the guidelines:

2014/30/EU	"Electromagnetic compatibility"
2014/35/EU	"Electrical equipment for use within certain voltage limits"
2011/65/EU	"RoHS Directive"

We hereby declare that the device described below meets the essential safety and health requirements of the above-mentioned guidelines in its conception and design as well as in the design we place on the market. In the event of a change to the device that has not been agreed with us, this declaration loses its validity.

Manufacturer / distributor:

HSGM
Heisschnitt-Geräte und -Maschinen GmbH
Industriestrasse 30
D-65366 Geisenheim - Germany

Description of the device:

Product name: Heat cutter
Type: HSG-00-VW
Data: 230 V, 50 Hz (115 V, 60 Hz)
Rated power: 140 W

Date of declaration: 08.10.2025

Signature:

Geisenheim, 08.10.2025

Name and position of the signatory:

Stephan Herrmann / Managing Director