

## Operation Manual

(Original Version)

### Heatcutter Type HSG-0-Accu

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These operating instructions are to be treated confidentially.

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

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## 1. Symbols used



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

### Warning signs

In this operating manual and, if applicable, 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!



Risk of burns!

### Prohibition signs



Do not dispose of in household waste!



To classify the pollutant content, the symbol Li (lithium) is located, below the garbage can symbol!



Do not dispose of the battery in rivers or lakes or submerge it in water.



Protect the battery from heat, e.g. also from continuous sunlight, fire, dirt, water and moisture.



### Mandatory signs



Use eye protection!



Follow the operating instructions!



Use light respiratory protection!






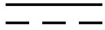




Use protective gloves!



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### Other symbols and icons

 <p>The CE marking symbolizes the conformity of the product with the applicable requirements</p>	 <p>For indoor use only</p>	 <p>Equipment of the Protection class II</p>	 <p>Equipment of the Protection class III</p>
 <p>Recyclable</p>	 <p>Direct current</p>	 <p>Alternating current</p>	 <p>Air-cooled device</p>

## 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.



#### **NOTICE!**

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.

## 3. Functional description and intended use



#### **NOTICE!**

The device is used in the commercial sector.

This tool must only be used for cutting synthetic fabrics and cutting to length synthetic cords, ropes, tapes and straps by means of a heated cutting tip.

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

Any other use is not permitted and may result in injury. In these cases, the manufacturer is not liable.



#### **ATTENTION!**

Operation under adverse environmental conditions is not permitted.

Adverse environmental conditions are:

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



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### 4. General safety instructions

#### 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.

#### Safety notes

	This device can be used by children 8 years of age and older, as well as by persons with reduced physical, sensory or mental abilities or lack of experience and knowledge, if they have been supervised or instructed in the safe use of the device and understand the resulting dangers. Children are not allowed to play with the device. Cleaning and user maintenance must not be carried out by children without supervision.
	Make sure that the charger's power supply cable does not come into contact with heat, oil, or sharp edges. Damaged connection cables can cause fires, short circuits and electric shocks.
	If the charger's mains connection cable is damaged, it must be replaced by the manufacturer or his customer service or a similarly qualified person to avoid hazards.
	A fire can occur if the device is not handled with care. The cutting tips can reach temperatures of up to 600°C. To prevent accidents, the cutting tip must not be touched after pressing the gear lever. Do not use the appliance in an explosive atmosphere, remove all flammable materials/liquids before use, use a heat-resistant work mat and keep Your workspace clean.
	Before use, check the tool for damage and proper fit of the cutting tip. Do not use in case of damage and inform customer service.
	For safety and approval reasons (CE), unauthorized modification and/or modification of the hot cutter, charger and battery is not permitted.
	Protect the tool from liquids and moisture. Failure to do so can cause fires, short circuits, and electric shocks.
	Do not cover the ventilation openings of the hot cutting machine. Otherwise, the device may overheat and no longer function properly.
	The fumes produced during cutting must be removed with an extraction device 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.
	The hot cutting blade must not be associated with heat-sensitive or flammable materials such as skin, hair, etc.
	Do not leave the device unattended while it is in use. In the event of longer interruptions in work, the charger must be disconnected from the power source.
	After use, allow the tool to cool before packing it away.
	When the device is not in use, store it in a safe place away from dust and moisture.
	National and international safety, health and safety regulations must be observed.

### 5. Personal protective equipment

#### HINT

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

- o Use eye protection!
- o Use light respiratory protection!
- o Use protective gloves!



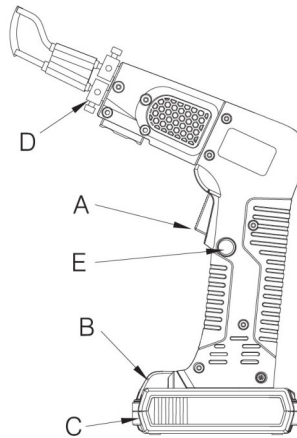
#### WARNING!

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

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### 6. Structure of the device

A	Trigger
B	Battery lock/unlock button
C	Accu (Battery)
D	Clamping pieces
E	Safety button



### 7. Commissioning

**CAUTION!**

Make sure that the cutting blade is only inserted or replaced when the battery pack is not in place in order to avoid unintentional operation of the gear lever and any resulting injuries. Allow to cool for at least 10 minutes before removing the cutting blade.

1. Loosen the screws on the clamps (D) with the Allen key provided.
2. Press the cutting tip into the clamping pieces (D) with a little pressure, as far as it will go.
3. Carefully tighten the screws well to ensure optimal electrical contact.
4. Once the cutting tip is attached, insert the supplied 18 V (C) battery pack into the device until it clicks into place.
5. First, press and hold the safety button (E) and then press the trigger (A), the power indicator (red LED) will light up and the cutting blade will now be heated.
6. After 6-8 seconds, the cutting blade has reached the operating temperature.
7. After use, release the trigger (A).
8. Clean the cutting blade while it is still warm with the included brass brush.

**ATTENTION!**

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

**WARNING!**

The safety button and the gear lever must not be blocked by adhesive tape or other means!  
This is an inadmissible operation!

### 8. Handling

Never operate your hot 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.

**NOTICE!**

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.



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### 9. Maintenance

**ATTENTION!**

Switch off the appliance before cleaning or maintenance work and secure it against accidental switch-on. This is done by removing the battery and unplugging the charger. 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 edges of the device, be aware of the risk of burns. The cutting edges can reach temperatures up to about 600 ° Celsius. Before cleaning the device, allow the cutting tip to cool for at least 10 minutes.

**NOTICE**

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

Regularly check the technical safety of your heatcutter set, e.g. damage to the power cable or housing. If the charger's power supply cable is damaged, it must be replaced by the manufacturer or their 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!

**NOTICE**

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

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

### 10. Troubleshooting

**ATTENTION!**

Be sure to follow the safety instructions as described in Chapter 0 .

With this hot 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
	Battery empty	Charging the battery
	Cutting blade not clamped	Clamp the cutting blade



### 11. Ambient conditions

Type	HSG-0-Accu / Akkupack / Ladegerät
Operating temperature range (min. +max.):	+5 °C bis +40 °C
Relative humidity:	max. 85 %
Atmospheric pressure:	600 bis 1000 hPa



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### 12. Specifications

Type	HSG-0-Accu
Operating voltage:	DC 18 V =
Protectice Class:	Protectice class III 
Rated power:	115 W max.
Mode:	Continuous operation
Dimensions (with Akku):	270 x 153 x 74 mm
Weight:	0,414 kg
Type	Battery pack 18 V 2.0 Ah, Art.-Nr. 7169027030
Battery voltage:	DC 18 V =
Battery capacity:	2.000 mAh
Nominal energy:	36 Wh
LED Capacity Display:	1x LED = 25%, 2x LED = 50%, 3x LED = 75%, 4x LED = 100%
Dimensions:	115 x 74 x 45 mm
Weight:	0,328 kg
Type	Charger for HSG-0-Accu, Art.-Nr. 7169027040
Input Voltage Range / frequency:	AC 100 - 240 V ~ 50 - 60 Hz
Output voltage / current:	DC 21 V 2300 mA
Input power:	65 W
Protective Class:	Protection class II 
Dimensions:	107 x 107 x 60 mm
Weight:	0,268 kg

### 13. Disposal

**HINWEIS!**

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.

### 14. Guarantee



You get a 1-year warranty for this device. The cutting blade 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.

Please only use original HSGM cutting tips. When using other makes, any warranty expires.

**NOTICE!**

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

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### 15. Charging the battery with the charger

It is not necessary to completely discharge the battery before charging. The lithium-ion battery can be charged at any time and does not develop a "memory effect" when it is recharged after a partial discharge. Remove the battery from the hot cutter at a suitable time.

Fully charge the battery before prolonged operation.

Due to the very low self-discharge of lithium-ion batteries, it is only necessary to charge the lithium-ion battery when the battery has reached the end of its capacity. A very low state of charge is noticeable by a sudden drop in temperature/power.

1. Plug the charger into a suitable outlet.
2. Connect the battery pack to the supplied charger/power adapter (slide the contact points on the top of the battery into the plug contacts of the charger as far as they will go). The charging process begins.
3. When the battery is empty, the charger's status LED shows: **RED**.
4. Once the battery is fully charged, the charger status LED will be on: **GREEN**.
5. An empty battery takes about 90 minutes to charge 100%.
6. By pressing the gray button on the right side of the LEDs on the battery, you can see how much capacity the battery has. 1 **green** LED = 25%, 2 LEDs = 50%, 3 LEDs = 75%, 4 LEDs = 100% capacity.



### 16. Additional safety instructions for the charger and battery pack

Safety notes	
	The charger can be used by children aged 8 years and over, as well as by persons with reduced physical, sensory or mental abilities or lack of experience and knowledge, if they have been supervised or instructed in the safe use of the device and understand the resulting hazards. Children are not allowed to play with the device. Cleaning and user maintenance must not be carried out by children without supervision.
	Use the included charger indoors only! Protect from moisture. Failure to do so can lead to serious damage to health.
	Charge the battery only with the included charger. Use the battery only for work with the HSG-0-Accu hot cutter.
	Make sure that the charger's power supply cable does not come into contact with heat, oil, or sharp edges. Damaged connection cables can cause fires, short circuits and electric shocks.
	If the charger's mains connection cable is damaged, it must be replaced by the manufacturer or his customer service or a similarly qualified person to avoid hazards.
	Keep the charger clean. Contamination poses a risk of electric shock.
	Check the charger including cable and plug before each use. Do not use the charger if you notice damage. Do not open the charger yourself and only have it repaired by HSGM or authorized service centers and only with original spare parts. Damaged chargers, cables, and plugs increase the risk of electric shock.
	Do not operate the charger on a highly flammable surface (e.g. paper, textiles, etc.) or in a flammable environment. Due to the heating of the charger during charging, there is a risk of fire.





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### Safety notes

	Do not cover the ventilation slots of the charger. Otherwise, the charger may overheat and no longer function properly.
	To ensure <u>maximum</u> battery life and <u>optimal</u> battery performance, always charge the battery at a temperature between 18 and 24 °C. Do not charge, store or use the battery at temperatures below 5 °C and above 40 °C. Failure to follow this safety rule can cause serious damage to the battery.
	Do not dispose of the battery in a fire. The battery can explode.
	In case of battery fluid leakage and skin contact, wash the affected area immediately with soap and water. The liquid can be neutralized with a mild acidic substance such as lemon juice or vinegar. In case of contact with eyes, rinse with clean water for at least 10 minutes and seek medical advice immediately. Inform medical personnel that this liquid is a 25 - 35% potassium hydroxide solution. Do not attempt to open the battery.
	If the housing of the battery has cracks, stop using the battery and do not recharge it. Dispose of the damaged battery as hazardous waste in accordance with applicable regulations.
	Do not store a spare battery in your bag or store it in a toolbox. Make sure that the contacts do not come into contact with metal objects during transport. Metallic objects can cause a short circuit and damage the battery, as well as lead to burns or fires. If you store or dispose of the battery, tape the contacts with electrical tape to prevent a short circuit. Batteries that are stored for a longer period of time discharge. Do not store or use the tool and battery in areas where the temperature reaches or exceeds 40°C. Do not expose the battery to mechanical stresses/processes.
	Protect the battery from heat, including constant sunlight, fire, dirt, water and moisture. There is a risk of explosion and short circuit.
	If you intend to store a battery for a period of time without use, ideally store the battery at room temperature (18°C to 24°C) and charge it to about 30 - 50% of capacity. If stored for a longer period of time, charge the battery once a year to avoid over-discharge. Allow the battery to cool down after charging.
	Do not open the battery. There is a risk of a short circuit.
	By sharp objects such as nails or screwdrivers or by external force the battery may be damaged. An internal short circuit may occur and the battery may burn, smoke, explode or overheat.
	Use the battery only in the manufacturer's product. This is the only way to protect the battery from dangerous overload .
	Never maintain damaged batteries. All battery maintenance should only be carried out by the manufacturer or authorized service centers. Do not use a damaged or modified battery. Damaged or altered batteries can behave unpredictably and lead to fire, explosion or risk of injury.
	Follow all instructions for charging and never charge the battery outside the temperature range specified in the user manual. Target = +5°C to +40°C.
	Incorrect charging or charging outside the permitted temperature range can affect the battery and increase the risk of fire.



### 17. Cutting blades and cutting foot

**Type R-Accu****Type HS-S-Accu****Type F-2-Accu****Cuting foot SF-Accu**

Front view



Side view

### 18. EU-Declaration of conformity

in accordance with the directives:



2014/30/EU

„Electromagnetic compatibility“

DIN EN IEC 55014-1 (VDE 0875-14-1):2022-12; EN IEC 55014-1:2021  
DIN EN IEC 61000-3-2 (VDE 0838-2):2019-12; EN IEC 61000-3-2:2019  
EN IEC 61000-3-2:2019/A1:2021  
DIN EN 61000-3-3 (VDE 0838-3):2023-02; EN 61000-3-3:2013+A1+A2+A2/AC:2022  
DIN EN IEC 55014-2 (VDE 0875-14-2):2022-10; EN IEC 55014-2:2021  
Anforderungen der Kategorien II / Requirements of categories II

2014/35/EU

„Electrical equipment designed for use within certain voltage limits“

DIN EN 60335-1 (VDE 0700-1):2020-08; EN 60335-1:2012+AC+A11+A13+A1+A2+A14:2019  
DIN EN 60335-2-45 (VDE 0700-45):2012-08; EN 60335-2-45:2002+A1+A2:2012  
DIN EN 62233 (VDE 0700-366):2008-11; EN 62233:2008  
DIN EN 62233 Ber.1 (VDE 0700-366 Ber.1):2009-04; EN 62233 Ber.1:2008

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.

Distributor:

**HSGM**

Heisschneide- Geräte und -Maschinen GmbH  
Industriestrasse 30  
D-65366 Geisenheim - Germany

Description of the device

Product name:

Plastic cutting tool

Type:

HSG-0-Accu

Data:

18 V

Rated power:

115 W max.

Date of declaration:

08.08.2024

Signature:

Geisenheim, 08.08.2024

Name and position of the signer:

Stephan Herrmann / CEO