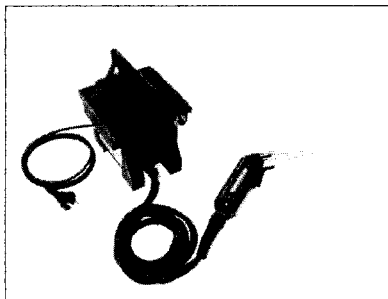




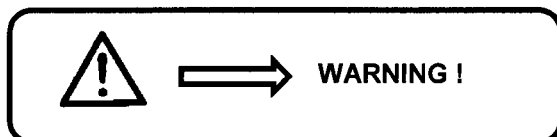
## Operating instructions

### Styrofoamcutter Type HSGM STYRO-CUT G1-VW-06/060



#### General

These operating instructions belong to this product.  
They contain important information about commissioning and operation.  
Important notes for your safety are especially marked.



Please observe them, even if you pass the device on to a third party.  
Keep these operating instructions so that they can be read again!

#### Introduction

Dear customer, we thank you for having purchased the polystyrene foam cutting device.  
With this polystyrene foam cutting device you have purchased a product which has been constructed to conform with the current state of technology.

In order to maintain this state and to ensure safe operation you, as the operator, have to observe these operating instructions!

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## Intended use

This product may only be connected to mains of 230 Volt / 50 Hz alternating current.

Its use is permitted in enclosed spaces (see safety notes) and out of doors.

Any contact with water must be prevented.

Any use other than those described above will lead to the product becoming damaged and will also expose the operator to risks such as short circuit, fire, electric shock etc. The whole product must not be modified nor its construction changed, and the housing must not be opened!

The safety notes must be adhered to.

## Safety notes



**Any damage caused as a result of these operating instructions having been ignored will not be covered by the warranty!**  
**We will not accept liability for subsequent damage!**  
**We will not accept liability for damage or injury caused by inappropriate handling or ignoring of the safety notes. In such cases all warranty rights will become void.**

For safety reasons, unauthorised reconstruction and/or modifications to the thermal cutting device are not permitted.

Only a correctly operating mains socket in the public supply network may be used for the power supply.

Ensure that the polystyrene foam cutting device is commissioned correctly. Observe these operating instructions during commissioning.

The commissioning has to be carried out by appropriately qualified personnel so that the safe operation of the product is ensured.

Ensure that the mains cable will not become crushed or damaged by sharp edges during operation.

Do not expose the polystyrene foam cutting device to high temperatures, strong vibrations or humidity.

Any device operated from mains electricity must not be handled by children. For this reason, be particularly careful when using the device while children are present.

In commercial organisations, the accident prevention rules of the employers' insurance organisation for electrical systems and equipment must be observed.



**When working in enclosed spaces, the vapours which develop during cutting must be removed directly at the cutting blade.**

**PVC and PVC-coated materials must not be processed because of the harmful vapours which form during cutting.**

**When handling the device, avoid burning yourself.**

**The cutting points can reach a temperature of approx. 600 ° Celsius (1110°F). Do not touch the blade after the device has been switched on. Do not lean the device or the blade against any object as long as the blade has not fully cooled down.**

## Functional description

In conjunction with an appropriate blade, the device is suitable for cutting hard polystyrene foam such as wall insulation board, roof insulation board and cellar insulation board. No other materials may be cut.

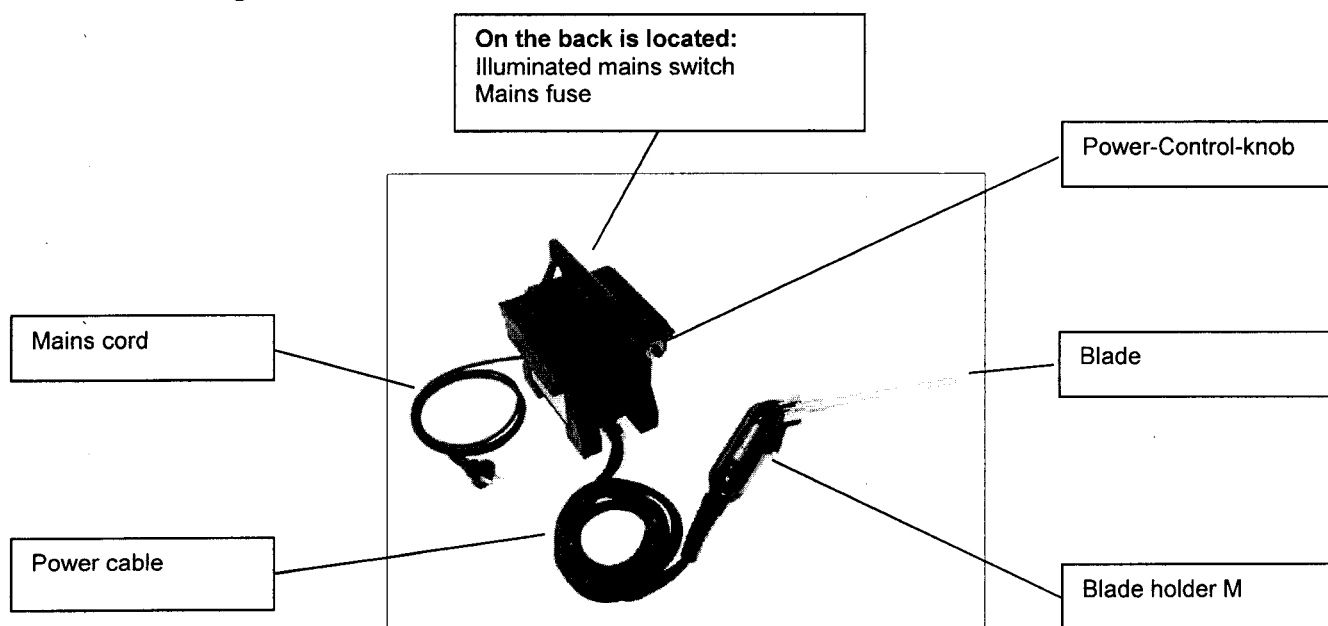
The blade, which is directly heated via an electric transformer, is heated to 600 °C (1110°F) within 6 to 8 seconds.

All the polystyrene foam material which makes contact with the blade will melt. This causes an uninterrupted, welded edge to form. The edges welded like this will not fray.

A miniature fuse protects the polystyrene foam cutting device against overloading and against a short circuit at the blades.

In the event of a permanent overload an integrated temperature limiter will separate the device from the mains power supply. After a cooling time of approx. 10-15 minutes the device can be used again.

## Commissioning





Check that the mains voltage corresponds to that given on the type plate.

Depending on the type of the work to be carried out and the thickness of the material, various blades are available.

In this context please observe the sheet listing polystyrene foam cutting devices, blades and accessories. Only insert the blade while the device is switched off.

## Note !

This product may only be connected to mains of 230 Volt / 50 Hz alternating current.

Its use is permitted in enclosed spaces (see safety notes) and out of doors.

Any contact with water must be prevented.

Any use other than those described above will lead to the product becoming damaged and will also expose the operator to risks such as short circuit, fire, electric shock etc. The whole product must not be modified nor its construction changed, and the housing must not be opened!

The safety notes must be adhered to.



**When inserting the blade, make sure that it is firmly screwed in so that the current flows easily. Bad connections or loose screws will lead to unnecessary heating up of the clamps, the performance of the blade will be adversely affected and the heating up of one or both of the clamps can lead to the housing becoming burned.**

Now insert the plug of the polystyrene foam cutting device into a mains socket.

Now switch on the illuminated mains switch in the housing of the transformer.

The device is switched on by pressing the switch lever in the blade holder M (handgrip). After a heating time of several seconds the required blade temperature can be reached.

The Power-Control-knob for the power control **must** be set to the setting described below.

**Required Power-Control-knob setting for the power control = working temperature.**



The Power-Control-knob setting given here **must** be adhered to. Faulty setting can lead to overheating or to the destruction of the device and/or of the blades.



| Blade type | Power-Control-knob setting | Blade Type | Power-Control-knob setting for addition |
|------------|----------------------------|------------|---|
| C-70       | 3 - 5                      |            |   |
| C-100      | 4 - 6                      |            |   |
| C-140      | 5 - 7                      |            |   |
| C-180      | 6 - 8                      |            |   |
| C-200      | 7 - 10                     |            |   |
| C-230      | 8 - 10                     |            |   |
| CN-14      | 3 - 6                      |            |   |
| CN-20      | 3 - 6                      |            |   |
| CN-26      | 3 - 6                      |            |   |
| CR-20      | 3 - 6                      |            |   |
| CS-20      | 3 - 6                      |            |   |
| CV-20      | 3 - 6                      |            |   |

After the work is completed the device can be put away. The switch lever automatically returns to its limiting position and switches the device off. Then switch off the illuminated mains switch.

The blade should be cleaned while warm using a brass brush.



**The switch lever must not be mechanically locked or electrically bridged.**

## Handling

Never operate your polystyrene foam cutting device immediately after taking it from a cold into a warm room. Under unlucky circumstances, the condensation could destroy your polystyrene foam cutting device.

**First let your polystyrene foam cutting device reach room temperature without being switched on.**



**The polystyrene foam cutting device is not permitted for applications near to people or animals.**

## Maintenance

Regularly check the technical safety of your polystyrene foam cutting device, e.g. damage to the mains connection or to the housing.

If it is likely that safe operation is no longer possible, the device should be taken out of operation and secured against unintended use. Remove the mains plug from the socket!



It must be assumed that safe operation is no longer possible if

- the device shows visible damage,
- the device no longer works and
- after long periods of storage under unfavourable circumstances, or
- after serious loadubg during transportation.



**The device may only be repaired by the manufacturer or by their customer service department.**

**The connection cable can only be replaced by using a special tool which the manufacturer or their customer service department has available.**

## Correction of faults

By buying this polystyrene foam cutting device you have purchased a product which has been constructed safely and reliably according to the current state of technology.

However problems or faults are possible.

For this reason we describe below how to correct possible problems:



**Please observe the safety notes!**

| Problem     | Solution   |
|-------------|--|
| No function | <ul style="list-style-type: none"><li>- Has the switch lever been pressed?</li><li>- Is the mains plug inserted into the socket?</li><li>- Is the illuminated mains switch in position –ON –?</li><li>- Check the socket</li><li>- After overloading wait for approx. 10-15 min.</li></ul> |

## Technical data

Operating voltage: 230 V - 50 Hz (115 V - 60 Hz)  
Power consumption: max. 400 Watt  
Continuous operation  
Dimensions: 160 x 235 x 215 mm  
Weight: 6.9 kg (15.2 lbs with blade holder M)  
Fuse rating: Mains voltage 230 V: 3,15 A time lag, 5x20 mm  
Mains voltage 115 V: 4 A time lag, 5x20 mm  
Illuminated mains switch  
Mains cord 2 m  
Protection Class II

## Environmental conditions

Operating temperature range (min. +max.) +5°C to +40°C  
Relative air humidity: max. 85 %  
Air pressure: 600 to 1000 hPa

## Permitted Blades

Type C-70  
For boards  
up to 70 mm (3")



Type C-100  
For boards  
up to 100 mm (4")



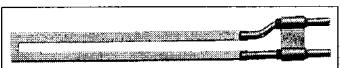
Type C-140  
For boards  
up to 140 mm (5.5")



Type C-160  
For boards  
up to 160 mm (6.3")



Type C-180  
For boards  
up to 180 mm (7.1")



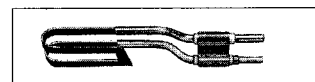
Type C-200  
For boards  
up to 200 mm (7.9")



Type C-230  
For boards  
up to 230 mm (9.1")



Type CN-14, curved  
For 14 mm grooves



Type CN-20 curved  
For 20 mm grooves



Type CN-26 curved  
For 26 mm grooves



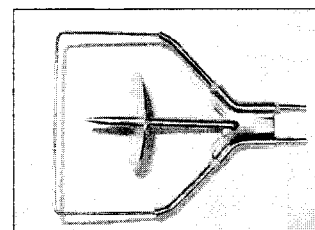
Type CR-20 curved  
For 20 mm grooves  
With depth guide



Type CS-20 curved  
For 20 mm grooves  
With depth guide



Connector socket cutter  
Typ D68-61  
For cutting holes  $\varnothing$  68 mm



**And many other kind of blades !**

**Please note !**

**Cutting tips can be manufactured individually in accordance with the requirements of our customers.**



## Disposal

Dispose of a polystyrene foam cutting device which has become useless observing the statutory regulations.



## Warranty

You will be granted a warranty of **6 months** except for the blade.  
The warranty period starts on the day the device is purchased.  
All faults caused by possible material or production errors are covered by this warranty.  
The warranty lapses if the device is treated inappropriately or for purposes other than intended.

## EC-Declaration of Conformity

according to the directives:

Until 19.04.2016: 2004/108/EC „EMC-Directive“, from 20.04.2016: 2014/30/EU

Until 19.04.2016: 2006/95/EC „Low Voltage Directive“, from 20.04.2016: 2014/35/EU  
2011/65/EC „RoHS-Directive“

Hereby we declare that the designated product complies with the essential requirements of the above mentioned Directives, when used for its intended purpose.

In the case of a change of the product not co-ordinated with us this explanation loses its validity.

**Manufacturer:** HSGM Heißschneide-Geräte und Maschinen GmbH  
In der Rehbach 13  
D - 65396 Walluf

## Description of the device:

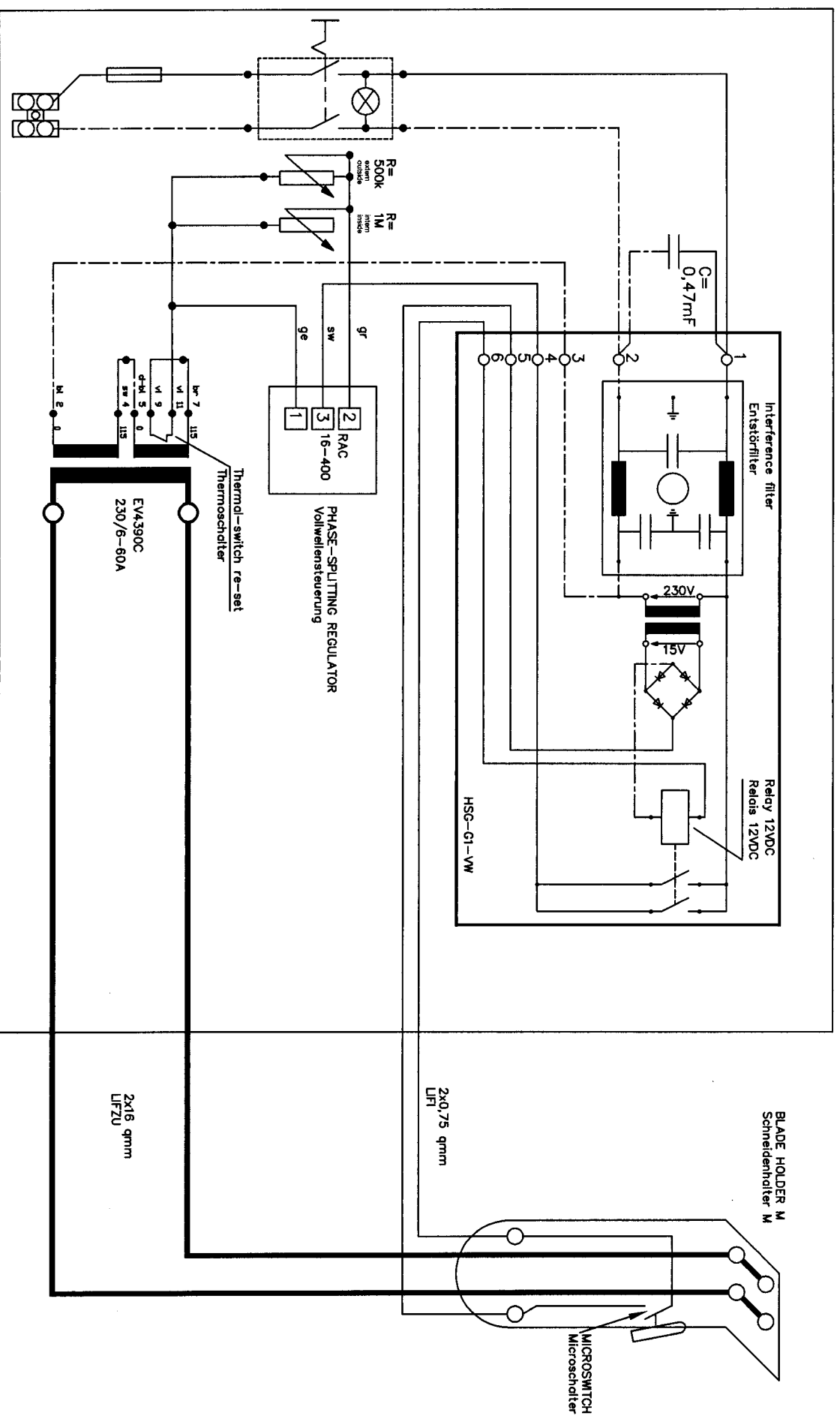
Product: Plastic cutting tool  
Type: HSGM-Styro-Cut-G1-VW-06/060  
Electrical data: max. 400 Watt

**Date of Declaration:** 14.11.2015

**Signature:**

**Name and position of the signer:** Stephan Herrmann / Director





|                       |  |                                  |  |                       |  |                  |  |
|-----------------------|--|----------------------------------|--|-----------------------|--|------------------|--|
| Typ: HSG-G1-VW-06/060 |  | Benennung: HSGM Styrcout 10/2004 |  | Zeichn.Nr. EG100206.3 |  | Blatt:           |  |
| Datum 18.08.1999      |  | Name GroB                        |  | Änderung              |  | von:             |  |
| gepr.                 |  | Artikel Nr.                      |  | C=0,47mf              |  | Datum 13.10.2004 |  |
|                       |  |                                  |  | Sicherung vorher 2AT  |  | Name GroB        |  |
|                       |  |                                  |  | 11.10.2007            |  | GroB             |  |
|                       |  |                                  |  | <b>HSGM GmbH</b>      |  |                  |  |
|                       |  |                                  |  | D-65396 Walluf        |  |                  |  |