

"Your specialist for insulation cutting systems"

INSTRUCTION MANUAL

Hot wire Styrofoam cutter

EN

HWS-Cutter!



Seller contacts

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Hot wire foam cutter HWS-Cutter!



NB! Before using the cutter it is absolutely necessary to read carefully the operating instructions (instruction manual). Should there still be questions please contact the trader from whom you have bought the device. By starting up the device you confirm that you have read and understood the operation manual and therefore you took over the operational responsibility.

Purpose of use / Operation of the cutter



The cutter is exclusively destined to cut only non-plasticized foams, for example Expanded polystyrene - EPS or Extruded polystyrene - XPS or similar materials. The non-plasticized foam sheets must be free of adhesive, adhesive residues or any other kind of contamination. Using hot wire cutter to cut other materials are not allowed.



Only a well trained person who is familiarized with the operation of the cutter is allowed to use the device. The device is to be used only by wearing appropriate work clothes with protective gloves (see the following safety instruction). The authorized health and safety person of the company where the cutter is used is responsible for the compliance with the instructions of the operation manual. Do not let persons, especially children, not involved in the work touch the device or the extension cord and keep them away from the working area.

Safety Instructions



The term "cutter" in the warnings refers to your mains-operated (corded) power tool.

Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories or storing power tools.



The cutter is to be used only with the original cutting wires delivered/noted by manufacturer. Using different cutting wires can destroy the safety transformer or lead to an increased fire risk and further consequential damages. The guarantee expires immediately in case of using non-allowed cutting wires of third-party producers.



The device is to be used only outdoor or in well-ventilated rooms. During cutting small quantities of styrene are released.

Previous measurements have shown that there is no risk to health in case of keeping the instructions of ventilation.

NB! Operating temperature is in range: +5 +35 °C.



The hot wire foam cutter works with a low-voltage transformer. It should be connected only to the 220 - 230 Volt (50Hz) electric circuit (optionally to 110-Volt electric circuit). Therefore it is important to protect the device against moisture. Do not use the device in damp or wet location. Outdoor operation during rain or under similar conditions **ARE NOT ALLOWED**.



The device is exclusively destined to cut non-plasticized foams, for example Expanded polystyrene - EPS or Extruded polystyrene - XPS. Trying to cut other materials can cause serious damage to device or to person. Cutting not the non-plasticized foams **ARE NOT ALLOWED**. The guarantee expires immediately in case of using non-allowed materials.



During the work, cutting wire is getting very HOT and must not be touched under no circumstances during operation of the cutter and during 2 minute after push-button or ON/OFF switch released. Touching the hot wire can cause serious burns. Therefore the use of protective gloves is recommended.



Before each start-up of the cutter, it is necessary to check that all screws are tightened and that the plug connectors are firmly fixed. Before using the cutter, please check that it is installed in a stable position and that other sources of danger or trip hazards within the environment of the device are eliminated. Keep work area well lit. Do not use the device in the presence of flammable liquids or gases.



The cutting wire is under strong spring tension. If the wire will tear apart during cutting it can cause flying sparks. **Therefore safety gassed are required.**

Troubleshooting / Maintenance



Before any work or when a problem occurs, immediately disconnect the device from the mains power supply pulling connection plug off.



Under the condition of a proper use the device works trouble free, except for occasional cutting wire breaks due to wear. Should the cutter – especially after a long uninterrupted use – not get hot, the transformer has to cool down for a short moment (the transformer is equipped with a thermo protection). Before reusing the device the power plug has to be briefly pulled out in order to restart the protection circuit.

For an irreparable error, it is absolutely necessary to contact our after-sales-service.

The repair of electric parts is to be done only by an authorized expert.



Do not make any repair to the transformer and do not exchange it against a not original transformer. In the event of a defect, please contact the dealer from whom You purchased the product.



1) Service once per week the telescopic slides. Clean of dust dust or other contamination and lubricate them.

2) Check all the screws and connections. If need tied them up or replace.

3) Overview and clean the connections plugs and cables.

Guarantee, Warranty and Liability

Under condition of a correct operation and maintenance of the device we guarantee a proper function of the cutter. The legal guarantee ends two years after delivery to private persons and one year after delivery to retailers.

The guarantee is limited to the replacement of spare parts or repair in the manufacturer's plant or authorized distributor expert in your region. Any further claims like replacement of lost parts or wear parts (cutting wire) are excluded. An usage not according to the proper use will result in the loss of guarantee. For damages or subsequent damages due to a lack of reading or a disrespect of the instruction manual or due to improper handling, we refuse any responsibility or warranty claim.

The above mentioned safety instruction complete the safety and working conditions valid at the respective place of work.

In case of alteration of the device, not agreed upon by manufacturer or dealer from whom You purchased the product, warranty will lose its validity.

Disposal



The machine, accessories and packaging should be sorted for environmental-friendly recycling. Do not dispose of power tools into household waste!
Only for EC countries: According to the European Guideline 2002/96/EC for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

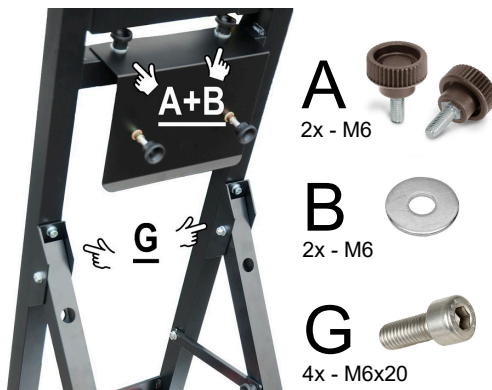
Assembly/Operation

The following assembly instruction describes all models and all optional equipment available for your hot wire foam cutter. Please note that your hot wire foam cutter may not be equipped with all of the described functions. A complete overview of accessories can be found on our webpage or in the manuals "Scope of Delivery & Optional Accessories" menu.
 For despatch reasons, the device is only part assembled. After receipt please check if all parts are complete.

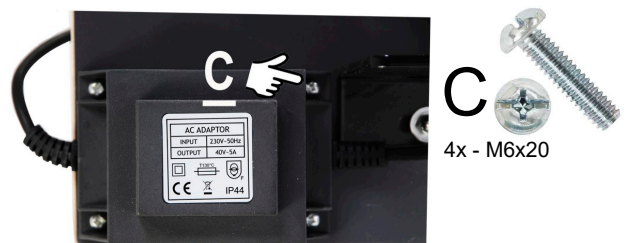


To assembly the device it is necessary to screw the foldable pedestal to the main body using four hex bolt (G - step 1), assembly the scaffold bracket to main body using knurled nut (A - step 1) and washer (B - step 1), screw the transformer (C - step2) on the working plate using the four provided screws (C - step 2). The additional support placement (E - step 3) can be mounted on three locations on the support slab. The additional "angular stop" (F - step 3) can be mounted all over the support slab. All parts You will find in carton box inside the main package of the equipment

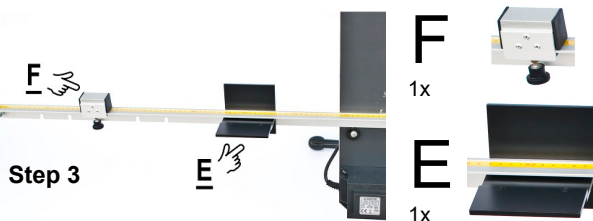
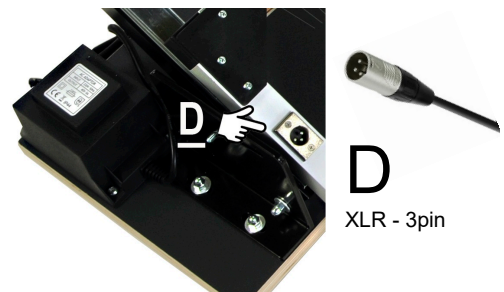
Step 1



Step 2



Step 4



For startup it is only necessary to plug in the XLR-connector (D - step 4) of the transformer into the corresponding socket at the bow and connect the power plug to the power supply (220 - 230 VAC). Take care for the correct mains voltage! The voltage of the power source must agree with the voltage specified on the nameplate of the transformer



To activate the hot wire cutter press the On/Off push-button * under the bow and keep it pressed. To switch off the power tool, release the On/Off push-button.
Alternative: Use ON/OFF switch based on the bow only for cutting materials in half (bisection cutting).



* **WARNING:** The push-button may never be locked in any way (continuous operation). Fire risk!

Wire mounting/Changing the cutting wire



NB! When installing or changing the wire, device should be disconnected from power supply.

Fix the supplied cutting wire into the springs attached to the left and right: First fix the wire into the spring on one side and then, under tensile stress, on the opposite side.



Should the cutting wire breaks off it is necessary to remove at first the wire scraps by means of putting up the upper and lower wire loop. At first the new wire will be mounted at one side of the spring and is then mounted under tension at the opposite side.

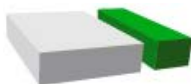


Attention: Contrary to new spare wires the cutting wire installed in the device is not copper or silver coloured anymore but dark. This does not constitute a defect but is a sign that the cutter was checked in hot condition for its proper functioning before leaving the plant.

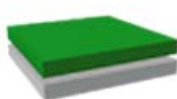


Cutting Variants (some of.)

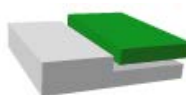
❖ Straight cut



❖ Half cut



❖ Two step cut



❖ Concave cut



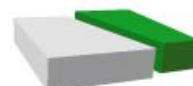
❖ Bevel cut (v.1)



❖ Bevel cut (v.2)



❖ Diagonal cut



Technical Data

HWS-Cutter!	
Cutting length:	max. 1340 mm
Cutting depth:	max. 330 mm
Weight:	14,5 kg
Base plate:	Welded aluminium frame
Package (transport position):	H:220mm W:420mm L:1850 mm
Transformer:	IN: 220-230VAC - 50/60Hz, OUT: 40VAC/200Watt/5A, IP68

Subject to change without notice.

Scope of Delivery & Optional Accessories

Basic kit

- Cutting unit
- Transformer
- Angular stop
- Operation Manual
- Extra cutting wire
- Small bag for tools
- Foldable pedestal
- Scaffold bracket

Accessories

- Carrying case
- Cutting wire

This device is fulfil the requirements of the relevant EU-Directives

98/37/EG
73/23/EWG
2004/108/EC
2006/95/EC

Applied harmonized standards

EN ISO 12100-1
EN ISO 12100-2

Therefore this device is marked with the CE-Mark
Made in EU



Seller contacts



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All pictures presented in this manual are for illustration purposes only

* Technical modifications, construction or basic scope of delivery are subject to prior change without notification.

Please do not hesitate to contact Us if you have any further questions