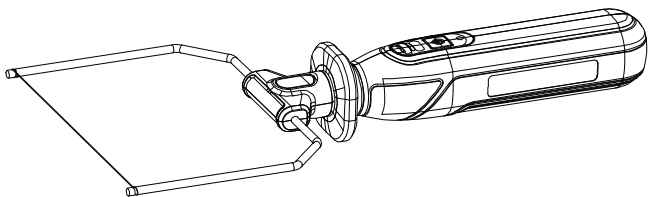


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DY811

DY811-X



EN CORDLESS FOAM CUTTER

IMPORTANT SAFETY INSTRUCTIONS



WARNING:

Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference. The term “power tool” in the warnings refers to your mains- operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

- Use this product only with batteries and chargers listed in tool/appliance/battery pack/charger correlation supplement 999000174.

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/ or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

- **Do not wear loose clothing or jewelry.** Contain long hair. Loose clothes, jewelry, or long hair can be drawn into air vents.

POWER TOOL USE AND CARE

- **Do not force the power tool. Use the correct power tool for your application.**
The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not touch the heated tip of the tool.**



WARNING

Fumes can be hazardous and cause serious injury, permanent damage or death if inhaled. Follow the foam manufacturer's safety instructions and guidelines shown on any labeling, listed in their manual, and/or on their SDS sheet. Breathing protection may be required from the foam manufacturer. This tool is only intended to be used with polystyrene and polyethylene foams.

- **Use the tool in a well-ventilated area to avoid breathing in vapors. Use a fume extractor, exhaust fan, and/or open doors/windows for ventilation.**
- **Never leave the power tool unattended while it is in the on position.**
- **Do not use the power tool if the on/off button does not turn it on and off.** Any power tool that cannot be controlled with the on/off button is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing the accessories or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

- **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.**

Many accidents are caused by poorly maintained power tools.

- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Use the power tool, accessories, tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- **Keep handles and grasping surfaces dry, clean, and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

BATTERY TOOL USE AND CARE

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

- **Battery products do not have to be plugged in to electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery product or when changing accessories.** Following this rule will reduce the risk of electric shock, fire or serious personal injury.
- **Do not modify or attempt to repair the appliance or the battery pack (as applicable) except as indicated in the instructions for use and care.**
- **Do not expose a battery pack or appliance to the fire or temperature above 265° F as it may cause an explosion.**
- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- **For use with 4V lithium-ion battery packs.**
- **For best results, your battery pack should be charged in a location where the temperatures are more than 50° F but less than 100° F.** To reduce the risk serious injury, do not outside or in personal vehicles.
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.**
- **Use this product only for its intended use.**
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also to prevent misuse of the product and possible injury.

SERVICE

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

FEATURES

PRODUCT SPECIFICATIONS

On/Off Button Settings	High/Low/Off
Dual Heat Settings.....	High (Max: 600° C), Low (Max: 400° C)
Charging voltage.....	Less than DC 4V 2A
Battery Capacity	2000mAh

OPERATION

Charging Tool

NOTE! The Mini Grinder does not come completely charged from the factory.

Be sure to charge tool prior to initial use.

Insert USB-C charging cable into USB port of power adapter. If power adapter is not included, charge tool using 5V/1A minimum USB power adapter.

Plug power adapter into standard power outlet.

Open USB port cover and plug USB-C plug into USB-C charger port .

The battery charge indicator indicates the charging progress. During the charging process, the indicator will glow RED. The battery is fully charged when the indicator light will glow Green.

When the battery is fully charged, disconnect the USB-C end of the cable from the tool

Unplug the power adapter from the power outlet (unless you are charging another tool).

INSTALLING/REMOVING TIPS

DANGER:

Do not change a tip immediately after use. You will get burned because of the heat build-up from the operation. Always wait 30 minutes to allow the unit to cool down before removing the tip.

To install:

- Choose a tip that is suitable for the application you are doing.
- Align the protrusion of the tip with the groove of the tool and insert it forcefully
- Press the on/off button.

To remove:

- To remove, hold the base of the tip and then pull the tip out.
- Once the tip is removed, the tool will automatically shut off.

NOTE: Do not touch the heated zones of the tips while the LED is solid or flashing.

- Clean the tip as described in the Maintenance section of this manual.

OPERATING THE FOAM CUTTER

WARNING:

Always place the tool resting on the stand so the tip does not come in contact with anything while it is heating or when not in use. Following this rule will reduce the risk of damage to items, burns, fire or serious personal injury.

- Always hold the foam cutter as shown.
- Examine the tool and tips carefully. The use of damaged tools and tips can result in serious personal injury.
- Click the button once for high temperature (RED light), click the button twice for low temperature (GREEN light), click the button a third time to turn the tool off.

NOTE: The LED light will pulse until maximum operating temperature is reached. Once the set temperature is reached, the LED light will go solid.

NOTE: The tool is only meant to be used with polystyrene and polyethylene foams.

NOTE: The heat of the tool will cut the foam. Do not force the tip into the foam material.

- When cutting, use steady pressure as you move the tool through the foam material and cut in one smooth motion.

NOTE: Use a test piece of foam material first to get a feel for how the tool works.

- Lift the tool away from the workpiece before turning off the tool.



WARNING:

Fumes can be hazardous and cause serious injury, permanent damage or death if inhaled. Follow the foam manufacturer's safety instructions and guidelines shown on any labeling, listed in their manual, and/ or on their SDS sheet. Breathing protection may be required from the foam manufacturer. This tool is only intended to be used with polystyrene and polyethylene foams.

- Always work in a well-ventilated area.

OPERATION

REPLACING THE WIRE

- Turn the tool off and let it cool.
- Remove the hot wire tip.
- Wrap the pre-cut nichrome wire around the groove in one arm.
- Pull it tight and wrap the nichrome wire around the opposite arm.
- Align the protrusion of the tip with the groove of the tool and insert it forcefully

MAINTENANCE



WARNING:

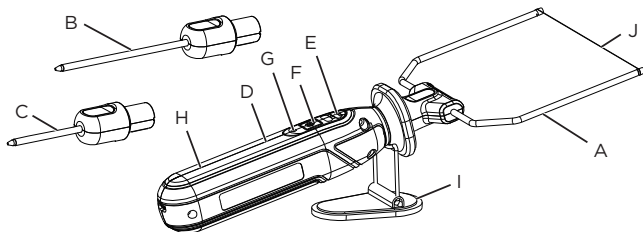
When servicing, use only identical replacement parts. Use of any other parts could create a hazard or cause product damage.

GENERAL MAINTENANCE

Use a towel or steel wool to wipe down each tip while the foam is still in a melted state. Clean the tips after every use to maintain longevity.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

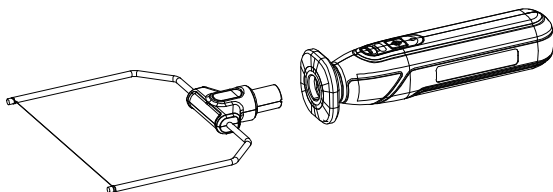
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A- Hot wire tip
B- Holing tip
C- Precision engraving tip
D- Foam cutter tool
E- High heat status light

F- Low heat status light
G- On/off button
H- Battery LED indicator
I - Stand
J - Nichrome wire

Fig. 1



A- Battery pack
B- Battery cap
C- Battery LED indicator

Fig. 2

Wrap the pre-cut nichrome wire around the groove in one arm. Pull it tight and wrap the nichrome wire around the opposite arm.

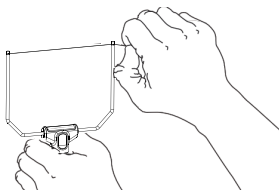
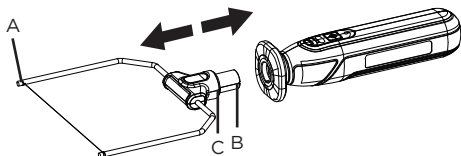
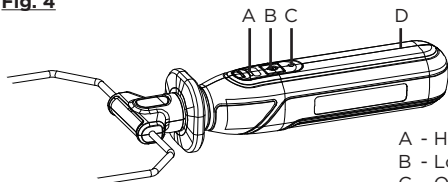


Fig. 3



A - Hot wire tip
B - Channel tab
C - Channel tip

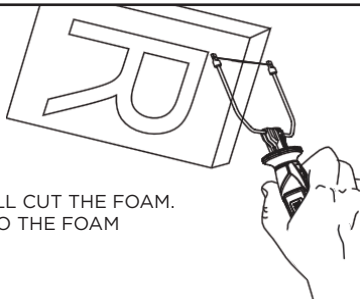
Fig. 4



A - High heat status light
B - Low heat status light
C - On/off button
D - Battery LED indicator

Fig. 5

THE HEAT OF THE TOOL WILL CUT THE FOAM.
DO NOT FORCE THE TIP INTO THE FOAM
MATERIAL.



Product Warranty Card

Dear users :

Thank you for buying our products. In order to ensure your profit, users who buy our products can contact local distributor or Specified repair stations with invoice and warranty cards if the product failures due to quality problems.

Warranty Notice:

1. From _____ (Year/Month/Day) to _____ (Year/Month/Day), If the failure happen in normal use, our company will provide free warranty, parts replacement and other services according to the failure situation.
2. This warranty card and purchase invoice are the voucher of after-sales service provided by our company to customers. The card must be detailed only after filling in the following form and affixing the official seal with the distributor.
3. In one of the following cases, free warranty service will be invalid, and maintenance fees will be required:
 - (1) Exceed the expiration date.
 - (2) Failure or damage caused by not following the requirements of the product manual, maintenance or improper storage.
 - (3) Failure or damage caused by disassembling, repairing or modification of the product without the permission of our company.
 - (4) Machine breakdown or damage caused by force majeure.
 - (5) Consumable accessories.

This card is issued with the product. One card for one machine, to ensure that you can fully enjoy the right to free warranty service provided by the company, please keep this card properly, lost will not be replaced.

Purchase Date: _____ (Year/Month/Day)

Product Certificate

Inspector:

01

Date of manufacture:

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