

# Pro'sKit®

## MS-551 Hot Knife



User's Manual

1 st Edition, 2016

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## Introduction

Please read this instruction carefully before operation and take special care on safety prompts in this instruction so as to avoid injury to people and objects, please make operation under the guidance of instruction so as to avoid damage to the tool. Please keep the warranty card handy for maintenance.



## Introduction

The MS-551 Hot Knife is a professional grade hot cutting tool for foamed plastics. The MS-551 Hot Knife heats up in seconds and gives the operator temperature control. Never before has working with foamed plastics been this easy, inexpensive and free of mess.

## Recommended Use

Expanded Polystyrene (EPS), Extruded Polystyrene (XPS), Polyethylene, Cross-Linked Polyethylene, Polypropylenes, and many other foamed plastics and materials can be easily cut with MS-551 Hot Knife. Please check with the foam manufacturer for safety and proper cutting procedures.

## Specification

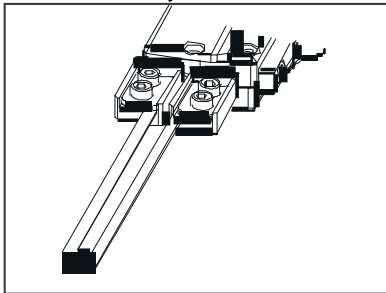
Model no.	MS-551B	MS-551H
Voltage	230V/50HZ	
Power	150Wmax	
Temperature	550°C max.	
Temperature Adjustment	16 positions	
Standard plug	B 	H 
Dimension	310*210*85mm	

**Accessories:** 6" stainless steel blade, hex key, cleaning brush, blow molded case

## Blade Installation

**NOTE:** Always unplug cord of the MS-551 Hot Knife before installing or removing the blades. Allow sufficient cooling time for blades, blade holders and metal thumb wheels before handling.

**Caution:** The MS-551 blade has a sharpened razor edge, for the cleanest cut always cut in the direction on the sharpened edge.



### STRAIGHT BLADE:

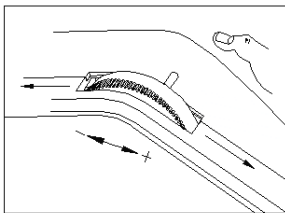
1. Loosen the screws on the blade holders with the wrench.
2. Slide the blade under the square pressure plate until snug.
3. Securely tighten screws to assure the proper electrical connection. Do not over-tighten.
4. Once the blade is firmly in place, plug in the MS-551 Unit into a standard 220-240 volt power supply (or 110-120 volt as appropriate).
5. The temperature control knob has 16 click settings that correspond to the graduated ridges on the surface. The smaller the ridge the lower the power setting.
6. Press the switch to use.

**Caution:** Excessive power output and heat generation may cause the blade holders to overheat resulting in damage to the unit. Use only the power output for proper cutting. The blade does not need to be red hot to move through foamed plastics.

### Operation

Put your temperature control knob at midrange setting, place the blade against the edge of the foam and depress trigger. Optimum cutting should be virtually smoke free.

**NOTE:** For the best results, practice on scrap pieces of foam.



When cutting foam it is best to keep the temperature and speed consistent. If smoke develops during the cut, you are cutting too slow or the blade is too hot which could result in an oversized, uneven cut. This can be remedied by lowering the temperature and intermittently releasing the trigger during your cut. As the cutting resistance increases, depress the trigger again. The MS-551 Hot Knife will reach the set temperature within seconds. You can accomplish your cut with minimal smoke using this process. Cutting in this manner will also prolong the life of the knife.

Releasing the trigger approximately one or two inches prior to the completion of the cut will help keep the blade clean and free from

buildup. The selected cutting blade should not be longer than 3/4" past the thickness of your foam board. The foam cools the blade as it cuts. The exposed portion can overheat and cause your blade to warp.

### **Warning:**

Don't press the trigger for a long time, in order to reduce the heat transfer from blade to blade holder. High temperature will cause deformation of the plastic and may cause injury to human body, we highly recommend when **pressing trigger for 15S, please release it for 30s** which will prolong the service life of the product

### **Caution:**

- Consult foam manufacturer's MSDS sheet for flash points and toxicity of material to be cut.
- **Always operate the MS-551 Hot Knife in well ventilated space**
- Never burn off excess residue on the hot knife blade. The blades will overheat, warping the blade and potentially overheating the MS-551 Hot Knife.
- Only operate MS-551 Hot Knife when it is in contact with the insulation board.
- Keep hot blades away from skin, clothing and other flammable materials.
- Allow blades to cool before handling. A hot blade may cause injury or burns to exposed surfaces.

### **Maintenance**

Constant use of the MS-551 Hot Knife may result in polystyrene material build up on blades and the blade holders. This excess polystyrene interferes with the proper electrical flow and impairs the performance of the blades. The blade holders and blades can be thoroughly cleaned with a wire brush.

For safe and proper working, always keep the ventilation slots clean. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

The appliance is not intended for use by persons (including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.

# Pro'sKit®

请在操作前仔细阅读本说明书

在说明书中特别注意安全提示，以避免伤害人和物。

请按说明书指导下进行操作，以免损坏工具

请保管好保修卡，以维护保养



## 简介：

MS-551电热刀是一个专业级的热切割发泡塑料工具。MS-551电热刀数秒加热，方便操作者的温度控制。超高的性价比的切割泡沫塑料的工具；

## 适用范围：

发泡聚苯乙烯（EPS）、挤塑聚苯乙烯（XPS）、聚乙烯、交联聚乙烯，聚丙烯，和许多其它的发泡塑料材料，或参考泡沫制造商提供的安全和适当的切割程序

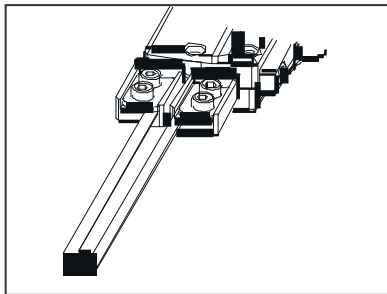
## 产品规格：

型号	MS-551B	MS-551H
输入电压	230V/50HZ	
功率	150W 最大	
温度	550℃ 最大	
可调温度	16 檔	
标准插头	B 	H 
包装尺寸	310*210*85mm	

## 刀片安装：

请拔掉MS-551电热刀电源线再安装或拆卸刀片。需要足够的刀片冷却时间，刀片和金属夹座也是冷态。

注意：MS-551有锋利的刃口，为干净的切割请装配时锋利的刀刃用于工作面。



## 安装刀片

- 1 · 用扳手松开刀片夹座的螺钉
- 2 · 插入刀片压入夹座到底部
- 3 · 拧紧固定螺钉以确保可靠的电气连接，也不要过紧
- 4 · 刀片装配后MS-551插头插入到标准220-240伏电源
- 5 · 温度控制旋钮有16个位置设置，对应于表面上的刻度，较小的刻度对应较低的功率设置
- 6 · 按开关使用

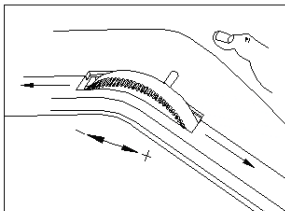
注意：过大的输出功率和热量可能会造成操作者伤害或损坏切割物。请使用适当功率输出进行切割，刀片是红色的时候请不要切割发泡塑料

## 操作

把你的温度控制旋钮设置在中档，将刀片对泡沫的边缘接触。最佳切割状态应该是几乎无烟雾，

注：为了更好的切割结果，请事先在泡沫碎片上试验





当切割泡沫时，最好保持温度和速度一致，如果在切割过程中有烟雾的产生，是切割速度太慢或刀片过热，这可能会导致切割效果不良，可以通过降低温度和间歇释放扳机来调节，随着切削阻力的增加，再次按压开关来加温。电热刀会在几秒钟内达到设定温度。你可以用这个过程来完成切割，从而产生用最少的烟雾。以这种方式切割也将能延长刀具的寿命，在切割完成之前约1~2英寸时释放扳机，将有助于保持刀片清洁；

所选的切割刀片不应超过3/4的泡沫板厚度，刀片接触泡沫部分会冷却，暴露的部分刀片会过热，导致你的刀片扭曲

警告：

不要长时间按压扳机，以减少刀片上的温度传导到刀片夹座，高温会引起塑料外壳的软化变色，可能会造成一定的人身伤害，**按压15S/放开30S**，能更好延长产品使用寿命。

注意：

- 请咨询泡沫制造商的MSDS表闪点和毒性物质成分，请在通风良好的空间操作MS-551电热刀
- 切勿在电热刀上遗留过多的剩余物。残留物燃烧会引起刀片过热，损坏刀片。
- 操作电热割刀当它与保温板接触时，请远离皮肤，衣服和其它易燃材料。

- 操作完成需待刀片冷却，热刀片可能会导致受伤或烧伤暴露表面。

### 维护：

- 电热割刀长时间使用可能会导致聚苯乙烯材料附着在刀片和夹座上，过量的聚苯乙烯会干扰产品电器特性，损害刀片性能，需用钢丝刷彻底清洗刀片及夹座
- 为安全和正确的工作，请始终保持通风和清洁
- 废旧电子产品不应与生活垃圾一起处理，回收设施的地方，请根据您的当地授权厂商或零售商建议回收



该产品不适合（包括儿童），身体感官残疾的或精神能力低下，或缺乏经验和知识的人使用，除非他们已被监督或有使用设备由专人对他们的安全负责，孩子们应该受到监督以确保他们不玩耍电器产品。

不要把家用电器作为未分类的垃圾收集设施，请使用单独的收集设施，具体信息联系您当地政府的即可，如果电器在垃圾填埋场或垃圾场处置，有害物质会渗漏到地下水，进入食物链，损害你的健康和福祉，当更换旧电器，新的零售商有义务回收你的旧电器。

# Pro'sKit® 中国地区产品保固卡

购买日期		店章
公司名称		
联络电话		
电子邮箱		
联络地址		
产品型号	□ MS-551H	

- ※ 在正常使用情况下，自原购买日起主机保修一年，发热芯保修三个月(不含配件、易耗品)。
- ※ 产品保固卡需盖上市章、日期章并填写产品序号，其保固效力始生效。
- ※ 本卡请妥善保存，如需维修服务时，请同时出示本保固卡，如无法出示，视为自动放弃。
- ※ 我司产品实行计算机编码，它将作为我司产品保固的依据，每拍产品均有独立的编码，为了您能得到最好的服务，请勿损坏撕毁该编
- ※ 保固期满后，如需维修之性质，则酌收检修工时费用。若有零件需更换，则零件费另计。

## 保修说明

- 一、保固期限内，如发生下列情况，本公司需依实际状况酌收材料成本或修理费  
(由本公司维修人员判定):
  - 产品表面的损伤，包括外壳的破裂或刮痕
  - 因误用、疏忽、不当安装或测试，未经授权私自打开产品修理，修改产品或者任何其它超出预期使用范围的原因所造成的损害
  - 因意外因素或人为因素(包括搬运、挤压、碰撞、高温、输入不合适电压、腐蚀等不可抗力因素)导致的故障或损坏。
  - 因使用非宝工导致的故障及损坏。
- 二、非服务保证内容
  - 本机主体外之配件：如烙铁头、吹风嘴、手柄、保险丝等配件。
  - 任何因自然磨损、超负荷工作而引起的损坏。
  - 超过保固期限检修，虽未更换零件，将依本公司保固条款酌收工时服务费用。

服务电话: 400-169-9629 0755 83692415

服务传真: 0755 83692143

# **Pro'sKit®**



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