

# Instruction Manual

# **MAKO** Tools™

## **2000W Heat Gun**

Model SROM 1180



*Our tool range has you covered for DIY. Whatever the job, make light work of it with MAKO tools.*

**Dear Valued Customer,**

Thank you for purchasing this Mako Power Tool.

We are dedicated to providing quality Mako Power Tools at competitive prices. Whether you are serious about DIY or just a casual user, our range of power tools are perfect for any job.

**Mako 2 Year DIY Warranty:**

All Mako Power Tools are backed by a comprehensive 2 year DIY warranty. If for any reason you experience a fault with this power tool, please contact the retailer that it was purchased from, present the receipt and warranty card (at the back of the operating manual), for a full refund or replacement. The warranty is void if damage is not attributable to normal wear and tear, if the tool is used commercially, the motor is overloaded or is tampered with, is damaged by accident or if it is bought second hand. Continued use after partial failure, or the use with the incorrect accessories will void the warranty.

This warranty excludes all Mako accessories, which are covered by their own appropriate warranties.

**MAKO TOOLS ARE FOR DIY USE ONLY. THEY ARE NOT DESIGNED OR APPROVED FOR INDUSTRIAL OR COMMERCIAL USE.**









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## DESCRIPTION OF SYMBOLS:



Please read all of the safety and operating instructions carefully before using this heat gun. Please pay particular attention to all sections of this User Guide that carry warning symbols and notices.

	Observe caution and safety notes!
	Caution - electric shock! Danger to life!
$n_0$	No-load speed.
V~	AC Voltage
	Wear hearing protection, dust protection mask, protective glasses and protective gloves.
	Keep children away from electrical power tools!
	Protect electrical power tools from moisture!
	Check that the device, mains lead and plug are in good condition!
	Safety class II
	Dispose of packaging and appliance in an environmentally friendly way!

## GENERAL POWER TOOL SAFETY WARNINGS:



**WARNING** Read all safety warnings and all instructions. Failure to follow the warnings and instructions 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.

### 1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### 2) Electrical safety

- a) **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.
- b) **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.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **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.
- e) **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.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### 3) Personal safety

- a) **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.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **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 energising power tools that have the switch on invites accidents.
- d) **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.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **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.

#### 4) Power tool use and care

- a) **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.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **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.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **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.*
- e) **Maintain power tools. 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.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and 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.*

#### 5) Service

- a) **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.*

It is recommended that the tool is always supplied via a residual current device with a rated current of 30mA or less.



**Wear hearing protection while operating the power tool.**



**Wear eye protection while operating the power tool.**

## **OPERATION OF YOUR MAKO HEAT GUN:**

Ensure the switch is in the OFF position 'O' before connecting to the power supply.

### **ON/OFF Switch - Heat Setting 1:**

A low heat setting may be required in certain cases, e.g. to avoid overheating the work-piece's surroundings or to avoid displacing the work-piece if the airflow is too strong.

### **ON/OFF Switch - Heat Setting 2:**

A higher heat setting heats up the work-piece more quickly and enables the hot air gun to be held at a greater distance from the work-piece.



### **Danger of fire and explosion!**

Inflammable and poisonous gases may be produced when working with plastics, paints (especially older types of paint), varnishes and similar materials. Use an appropriate respirator. Use ample ventilation.

The ideal temperature should first be ascertained by performing a test. You should start with a low temperature setting. The working temperature can vary depending on the properties of the work-piece. The distance between the nozzle and work-piece is dependent on the material to be processed.

- **Removing paint/dissolving adhesives**

Soften the paint using hot air and remove evenly with the scraper. Do not heat the paint for too long since this will burn the paint, making it more difficult to remove. Many adhesives (e.g. stickers) become softer when heated, allowing adhesive bonds to be separated and superfluous adhesive to be removed. Be extremely carefully not to damage the surface underneath.

- **Removing paint from windows**

Glass can break easily. Always use a glass protection shield to protect it from the heated air. On profiled surfaces, paint can be removed using a scraper and brushed off using a soft wire brush.

- **Shaping plastic tubing**

To avoid kinking the tubing, fill the tubing with sand and seal at both ends. Heat the tubing evenly by moving it from side to side in the stream of heated air.

- **Staining wood**

Hot air staining gives natural wood a rustic effect. Do not hold the nozzle too close to the wood as this will colour the wood unevenly. Carefully sand off any singed wood fibres afterwards using fine emery paper.

- **Shrink fitting**

Select a heat-shrinkable sleeve with a diameter matching that of the work-piece, eg an electrical cable lug. Heat the heat-shrinkable sleeve evenly.

- **Defrosting water pipes**

Do not attempt to defrost PVC piping.

Protect the surfaces behind the pipe with a heat shield. Always heat the frozen area inwards from the edge to the centre.

**Note:** Water pipes are often difficult to distinguish from gas pipes. If in doubt, seek professional assistance before attempting this work.

- **Element**

Take extra care with the heat-gun element. Once the element is hot it can become very fragile, and may break if dropped or knocked.

**CAUTION:** This tool is designed for indoor use only. Using this tool for prolonged periods may cause it to overheat and malfunction. Use inside a confined area, such as a cabinet etc. will increase the temperature of the tool.

To ensure the tool does not overheat it is suggested frequent breaks are taken to allow the tool to cool down fully.

A fire may result if the appliance is not used with care, therefore:

- be careful when using the appliance in places where there are combustible materials;
- do not apply to the same place for a long time;
- do not use in presence of an explosive atmosphere;
- be aware that heat may be conducted to combustible materials that are out of sight;
- place the appliance on its stand after use and allow it to cool down before storage;
- do not leave the appliance unattended when it is switched on.

### **MAINTENANCE & CLEANING:**

Before any work is performed on the Heat Gun, ensure that it is unplugged from the power outlet.

For optimum use, regularly check to see if any dust or foreign matter has entered the ventilations slots near the motor and around the on/off switch. Use a soft brush if required. Wear safety glasses to protect your eyes whilst cleaning.

If the body of the tool needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but never alcohol, petrol or other cleaning agents. Never use caustic agents to clean plastic parts.

Any repairs to the tool must be carried out by authorised persons only.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



**CAUTION:** Water must never come into contact with this power tool.

### **DISPOSAL:**



**Do not dispose of electrical appliances with your domestic waste!** Dispose of it in your local recycling containers, or at your local recycling station.

### **TECHNICAL DATA**

HEAT GUN	SROM1180
Voltage Rating	230-240V,50Hz Speed I: 1350W    Speed II: 2000W
Temperature (typ.)	400°C / 600°C