



# PYROGRAPHY WOOD MARKING KIT

## INSTRUCTION MANUAL AND SAFETY GUIDE

**Stock Code: S1741**



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**IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. PLEASE NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY. PLEASE KEEP THE INSTRUCTIONS SAFE FOR FUTURE USE.**

## **PYROGRAPHY WOOD MARKING KIT**

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### **SPECIFICATIONS:**

Wood burning pen: 15- 30Watt, 230-240V~50Hz AC 50Hz.

Thermostatically controlled to prevent damage to the heating element.

### **INSTRUCTIONS FOR GETTING STARTED:**

Identify a safe, well ventilated area to start using the product; away from children and pets and on a firm, heat resistant surface such as a workbench or wooden table covered with a heat proof mat or thick piece of plywood. Old aluminium foil trays can also be used as they will dissipate the heat quickly. The tips will become very hot in use and should not be touched with bare hands, so either a pair of heavy duty / heat proof gloves or a pair of needle nose pliers should be available as well as a heat proof glass or metal dish to store the tips in, until they have cooled down fully and can be replaced in the storage box.

### **OPERATING THE WOOD BURNING PEN:**

Whilst the pen is cold, unscrew and attach the first tip that you wish to use. Assemble the metal stand and rest the pen on it then plug into a suitable socket or mains extension reel. The switch settings are OFF-15W -30W and in front of the switch is an LED that will illuminate when switched on to 15W or 30W setting.

The pen will take approximately 4 minutes to heat up. As the pen heats up, some smoke and smell will be emitted – this is normal and nothing to be concerned about. Select either the 15W or 30W setting as appropriate for the material to be marked. Leather, cork and softwood timber can be started using the 15W setting and harder materials such as denser hardwoods and plywood should use the higher 30W setting.

Hold the wood burning pen as you would a normal pen, avoiding contact with any part of the pen other than the insulated handle. Start by writing simple words and practice pulling the tip towards you rather than pushing away as this will provide greater precision and control.

The longer the pen tip is held in contact with the surface without being moved, the darker the marking will be. Similarly, the smoother the surface, the quicker it will darken. Practise using different pressures and times to achieve different results.

The area that has been burnt will be hot and should be allowed to cool down before it is touched. Lifting the tip away from the material will allow the tip to regain its temperature as the material absorbs much of the heat of the tip.

It is worth practising on a piece of scrap material to identify the patterns that can be produced before starting work on a gift piece or finished material.

**DO NOT ATTEMPT TO USE THE PYROGRAPHY GUN ON FLAMMABLE MATERIALS SUCH AS CARDBOARD, PAPER, BUBBLE WRAP, POLYTHENE BAGS, FOAMED POLYSTYRENE SUCH AS EGG BOXES, CHOCOLATE TRAYS or CHIPBOARD OR MDF.**

The knife tip can be used to cut and seal solid plastic materials and fuse the ends of nylon webbing or polypropylene rope etc. To install, slide the knurled barrel onto the threaded knife tip and then screw into the end of the pyrography pen. Carefully insert the blade into the slot in the knife end, taking extreme care as the blade is sharp and rotate clockwise, until the barrel tightens up against the end of the knife tip - securing the blade tightly.

During use, the ends of the tips will become discoloured and some melted material may attach to the tips. This is normal and can be cleaned off when the tips are cold using either a nylon scouring pad, fine emery paper or wire wool.

**IDEAL MATERIALS FOR WOOD BURNING (PYROGRAPHY):**

Many natural materials and surfaces are ideal for pyrography. Leather, cork, soft & hardwoods, thermoplastic plastics such as polystyrene, polypropylene and some nylon materials. Hardwoods such as birch, ash, oak, beech and sycamore produce good results – avoid dark hardwoods such as walnut or mahogany as these are too dense and hard. Softwoods such as pines/fir should be avoided due to the sap/resin content, that will stick to the tips.

Light coloured and smooth grained woods will produce the best results.

Leather and cork are also ideal materials and a range of personalised gifts can easily be produced such as wrist bands, pendants, key fobs, table mats and glass mats.

Your local hobby craft store should be able to supply a wide variety of suitable materials and inspirations for your designs.

Pyrography is a creative craft, do not expect to become an expert instantly but with practice you should be able to become a competent crafter and produce pleasing gifts and artefacts.

**CHANGING THE TIPS:**

Always disconnect from the mains before attempting to change the tips and allow to cool down fully. Hold the tool by the handle and using either a pair of heat resistant gloves or a pair of needle nose pliers, grip the tip where it meets up with the end of the heating element and unscrew anticlockwise until it can be removed.

Attach the new tip by repeating the above procedure in reverse.

**WARNINGS:**

Use suitable heat proof gloves and protective when using this product and always work on heat resistant surfaces. Heat resistant matting can be obtained from plumbers merchants.

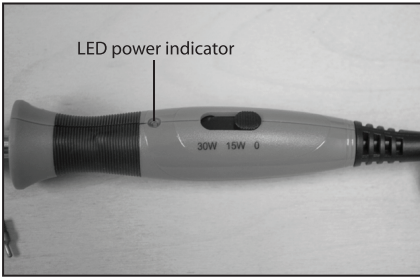
Do not touch the heating element during use or allow contact with other plastic or flammable surfaces as it will melt them.

Store used tips in heat proof glass or metal bowls or trays. The tips can easily be dropped or rolled onto the floor coverings beneath the work area, so to avoid any damage or burn damage to floor covering, working in a tray with lipped edges is recommended.

Do not use on MDF, Orientated Strand Board [OSB], hardboard or chipboard as these contain formaldehyde adhesives and can give off dangerous fumes when heated.

Unsuitable materials are melamine faced board or existing painted or varnished surfaces.

Always keep away from children and store in a safe place.



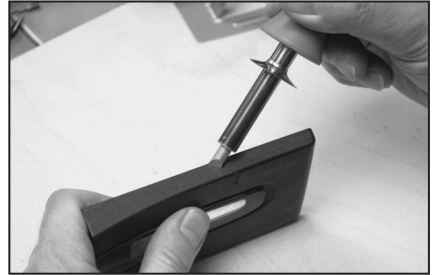
3 position switch settings (30W, 15W, OFF)



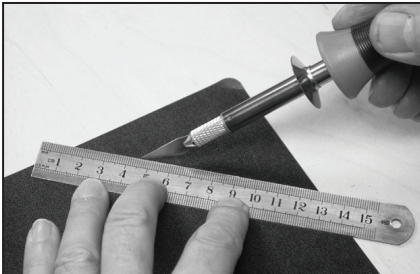
Always use the metal heat stand



Lettering template & stamping pattern tip



Repairing plastic using a heat tip



Cutting and sealing using the hot knife blade



Wear gloves when attaching the hot knife tip

**IMPORTANT WARNING:**  
**ALWAYS WEAR SUITABLE SAFETY WEAR**



**ENVIRONMENTAL PROTECTION**

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.

**IMPORTANT:**

No liability is accepted for the incorrect use of the product. Whilst every effort has been made to ensure accuracy of information contained in this manual the DK Tools Ltd policy of continuous improvement determines the right to make modifications without prior warning.