PLASPLUGS® WORKSHOP

MULTI-TOOL

HSS Drill Bit Sharpener

MULTI-TOOL 1 MODULE

PACK INCLUDES:
Power Station
HSS Drill Bit Sharpener

FOR YOUR SAFETY. PLEASE READ BEFORE USE.

Instruction Manual

Safety Precautions

PLEASE READ CAREFULLY ALL THE FOLLOWING SAFETY PRECAUTIONS PRIOR TO USING YOUR PLASPLUGS WORKSHOP MULTI-TOOL POWER STATION FOR THE FIRST TIME

USER PRECAUTIONS

- Remove all loose clothing, neckties, rings, bracelets and other jewellery that may get caught in moving parts.
- Non-slip footwear is recommended.
- Wear protective hair covering to contain long hair.
- Ear muffs and gloves are recommended.
- Always use safety glasses. NB: Everyday eye glasses do not contain impact resistant lenses – they are **NOT** safety glasses.
- Always use face or dust masks if grinding operation is dusty.

CARE AND CLEANING

- Before cleaning, disconnect from the mains.
- Keep clean and free from oil and grease.
- Store in dry conditions.

When using electrical tools, basic safety precautions should always be used including the following:

- Unplug from outlet when not in use, before putting on or taking off any parts and before cleaning.
- To protect against electrical shock, do not immerse cord, plug or appliance in water or any other liquid.
- To reduce the risk of unintentional starting, make sure that the switch is in the off position before plugging in.
- Do not operate any product with a damaged cord or plug, if the product malfunctions or it is dropped or damaged in any way.
- Always check for damaged parts before operation. Damaged parts should be properly repaired and replaced.
- Do not use in dangerous environments or expose to damp or wet conditions.
- Keep your working area well lit.
- Do not let the cord hang over the edge of table or counter or touch hot surfaces.
- Do not use product or attachments for other than intended purpose.
- Do not leave the grinding wheel unattended whilst it is operating.
- Keep all non-users a safe distance from the work area. Keep out of reach of children at all times.
- Grinding generates sparks – keep away all flammable substances and materials.
- Never touch the moving grinding wheel.
- The motor is specially rated for intermittent use – maximum 20 minutes continuous use.
- Do not attach modules when the grinding wheel is moving.
- Do not use the grinding wheel without a module in place.
- Before removing a module, switch off on the Power Unit and allow the grinding wheel to come to a stop.

Guarantee

12 MONTH GUARANTEE

Your Plasplugs product is guaranteed for one year from date of purchase, against electrical and mechanical defects in material and workmanship. Repairs or part replacement required as a result of such defects will be made free of charge during this period. Proof of purchase must be provided.

This guarantee does not cover damage caused by misuse, negligence or use on current or voltage other than that stamped on the product. The guarantee is invalid if the machine has been dismantled or interfered with in any way and persons other than Plasplugs consumer care department have attempted repairs.

This guarantee is in lieu of any other warranty expressed or implied. This warranty does not affect your statutory rights.

The power cable on this unit should only be repaired by Plasplugs Ltd.

Do not return this product to your retailer. See attached guarantee card for further details.

CERTIFICATE OF CONFORMITY

I, the undersigned N.A. Turner of Plasplugs Limited, Wetmore Road, Burton-on-Trent, Staffordshire, DE14 1SD, certify that the above product has been tested and found to comply with:

89/336/EEC EMC directive

VDE 0741:1963-08

VBG 7n6: 1993-01

This product is protected under the laws of Intellectual Rights, we will take legal action against any infringement.

Signed

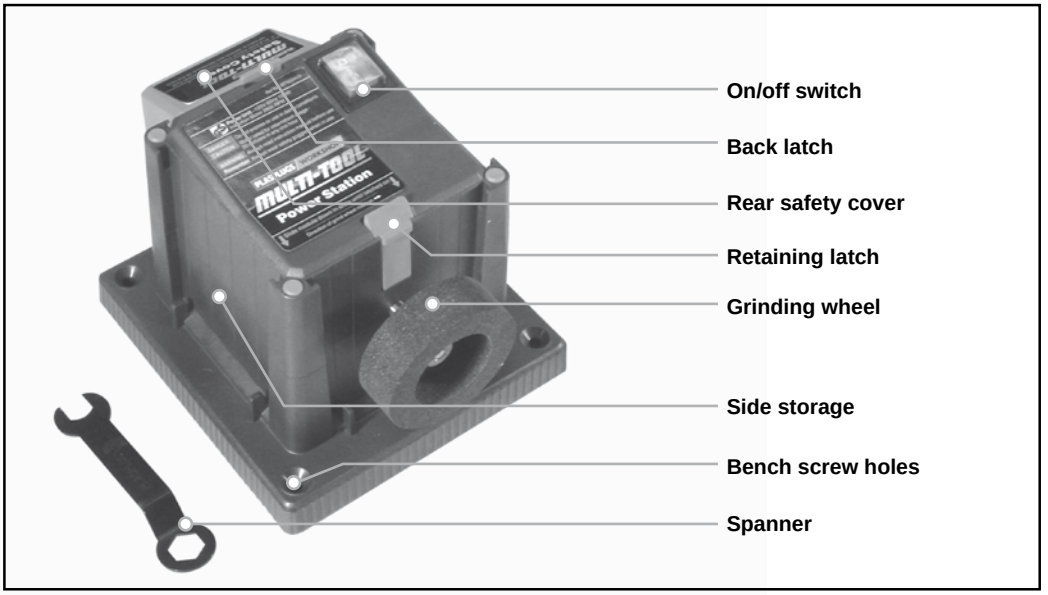
N.A. Turner, Director

May 2007

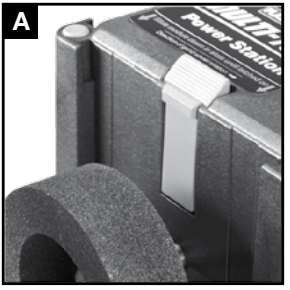
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local Authority or retailer for recycling advice.

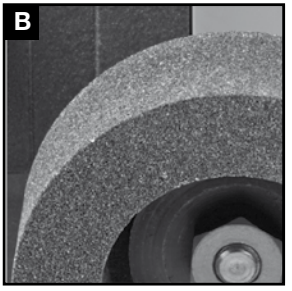
PLASPLUGS® WORKSHOP

Power Station

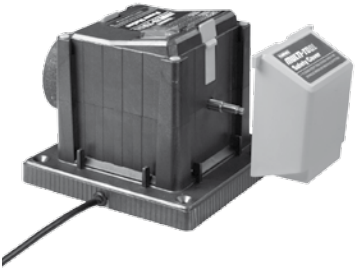


At the core of your WorkShop Multi-Tool Sharpening system - high performance direct drive motor, for fast and efficient throughout.





Dual power drive shafts for optional additional modules



Technical Information UK

Power supply	~230V 50Hz
150W Induction Motor	
RPM	2800RPM (no load)
Max. sound level	90dB(A)
Max. wheel diameter	76mm

Plasplugs reserves the right to amend product specifications

Technical Information USA

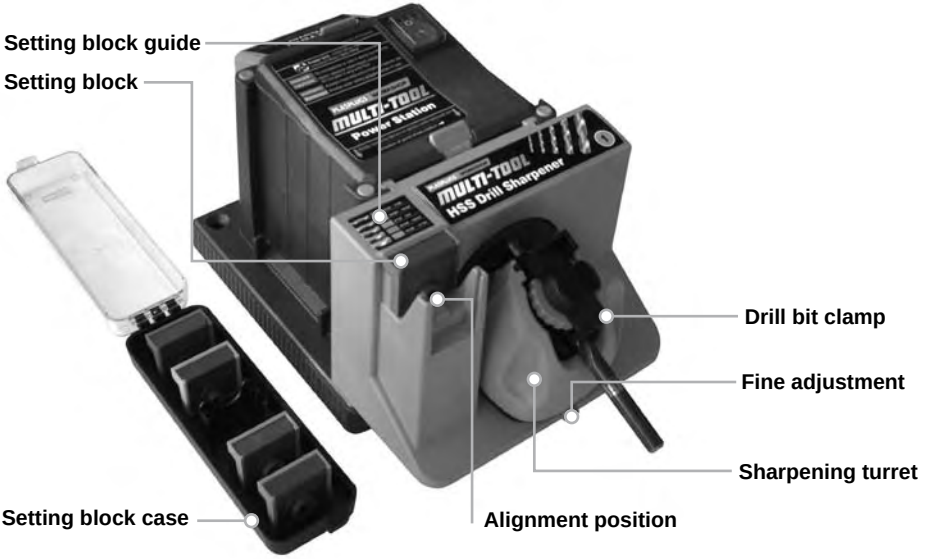
Power supply	~120V 60Hz
150W Induction Motor	
RPM	2800RPM (no load)
Max. sound level	90dB(A)
Max. wheel diameter	3 inch

Plasplugs reserves the right to amend product specifications

PLASPLUGS® WORKSHOP

MULTI-TOOL 1 MODULE

HSS Drill Bit Sharpener



Drill Block Selector

Setting Block Colour	Drill Block Size		Drill Size Range	
	METRIC	IMPERIAL	METRIC	IMPERIAL
Red Block	4.0 - 5.5mm	5/32” - 7/32”	4.0mm 4.5mm 5.0mm 5.5mm	5/32” 11/64” 3/16” 13/64” 7/32”
Yellow Block	6.0 - 7.5mm	15/64” - 19/64”	6.0mm 6.5mm 7.0mm 7.5mm	15/64” 1/4” 17/64” 9/32” 19/64”
Blue Block	8.0 - 9.5mm	5/16” - 3/8”	8.0mm 8.5mm 9.0mm 9.5mm	5/16” 21/64” 11/32” 23/64” 3/8”
Green Block	10.0 - 11.5mm	25/64” - 29/64”	10.0mm 10.5mm 11.0mm 11.5mm	25/64” 13/32” 27/64” 7/16” 29/64”
Orange Block	12.0 - 13.0mm	15/32” - 17/32”	12.0mm 12.5.0mm 13.0mm	15/32” 31/64” 1/2” 17/32”

PLASPLUGS® WORKSHOP

MULTI-TOOL 1 MODULE

HSS Drill Bit Sharpener

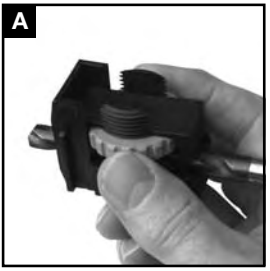
Slide the module labelled HSS Drill Bit Sharpener (Module 1) onto the Power Station. The module will be in the correct position once the retaining latch has locked.

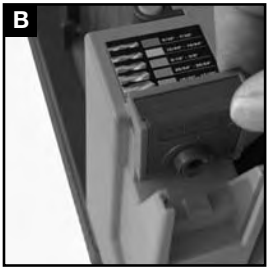
1 Lift drill bit clamp from sharpening turret. Load drill bit into clamp and tighten clamp lightly to leave the drill bit free to move
(illustration A).

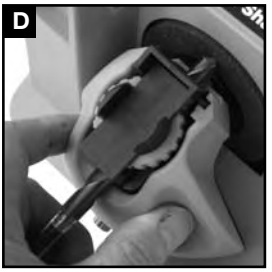
2 Select appropriate setting block from block set case according to drill bit size. (Drill bit size is usually stamped on the drill bit). Use the colour coded label on the module for easy reference. Place selected setting block into setting block position (illustration B).

3 With the drill bit still loose in the clamp, place drill bit clamp into alignment position (illustration C). (Do not tighten the drill bit clamp just yet!) Move the drill bit point into the setting block and very carefully twist the drill bit clockwise so that the cutting edges fit against the stops on the setting block. (It is important that the drill bit point is located firmly and accurately to ensure optimum sharpening results). When drill bit is in position tighten the drill bit clamp firmly.

AT THE SAME TIME, remove setting block and drill bit clamp from the alignment position. Replace setting block back into the block set case.







HANDY HINT - Blacken the end of the drill bit with a marker pen to indicate if both faces of the drill bit have been sharpened evenly.

4 Insert drill bit clamp into sharpening turret (illustration 4). Ensure fine adjustment screw is in position by adjusting the screw clockwise for drill bit movement towards the stone and anti clockwise for drill bit movement away from the stone. (You may need to adjust the fine adjustment screw during the sharpening process).

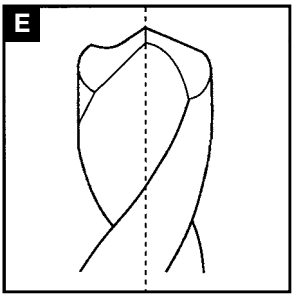
5 Switch on Power Station using the on/off switch on the top of the unit.

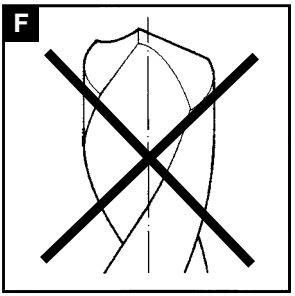
6 Rotate the sharpening turret from side to side with light finger pressure. Depending on bluntness of drill bit this action may vary. e.g. Approximately 6 to 8 full rotations on each side of the drill bit should be sufficient (illustration D). Very blunt drill bits may require more rotations. To ensure correct angle is achieved the same number of rotations must be completed on the opposite side.

7 To sharpen the opposite side of the drill bit, remove the drill bit clamp from the sharpening turret, turn it over and replace back into sharpening turret. Repeat process number 6.

8 Check the leading edge of both flutes are equally sharp and that the tip is backed off equally on both sides – they should meet exactly in the middle as in illustration E and not as illustration F.

9 Switch the Power Station off before removing the module ensure that the grinding wheel has stopped.





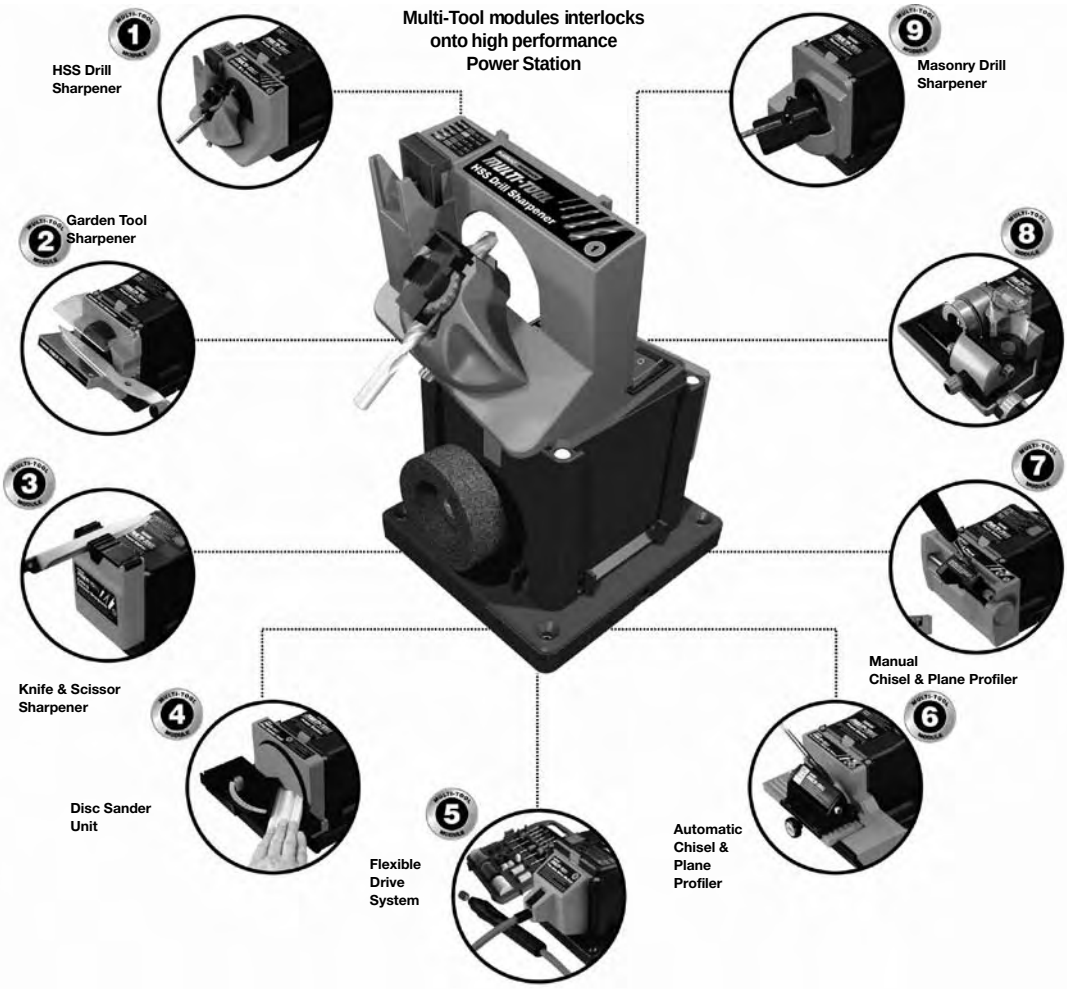
PLASPLUGS® WORKSHOP

MULTI-TOOL
Modular Power Tool System

***Build your own Multi-Tool,**
the most innovative modular workshop system can:

- **Sharpen**
- **Drill**
- **Sand**
- **Polish**
- **Engrave**
- **Grind**
- **Shape**
- **Plus much more...**

* Modules shown are sold Seperatly



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