



Operating Manual

Please Read Before Operating Unit



Single Element Bench Glo-Ring® Infrared Heat Tool

Please Call for Service and Spare Parts

The Eraser Company, Inc.
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SINGLE ELEMENT BENCH GLO-RING®

ORDERING INFORMATION

Glo-Ring®, Variable Temperature, Bench:

AH2401..... 115V 60Hz

Included Parts:

IH0329.....Foot Switch

Guards:

IH6517 One pair 1/2" (12.7mm) wire guards
 IH3551 One pair 1" (25.4mm) wire guards
 IH3552 One pair 2" (50.8mm) wire guards
 IH3553 One pair 3" (76.2mm) wire guards

Elements for Bench Models:

IH6515 1/2" (12.7mm \varnothing) diameter 115V 50/60Hz
 IH5511 1" (25.4mm \varnothing) diameter 115V 50/60Hz
 IH5512 2" (50.8mm \varnothing) diameter 115V 50/60Hz
 IH5513 3" (76.2mm \varnothing) diameter 115V 50/60Hz

Element and Guard Sizes

Dimensions of internal diameter of elements in closed position. Most elements are available in intermittent and continuous rated duty cycles. Intermittent elements heat up more quickly and get hotter than continuous elements.

NOTE: Continuous elements **MUST** be fitted if unit is to remain on for more than 2 minutes.

For cycle times less than 2 minutes, please refer to our website (www.eraser.com) for a range of intermittent elements & options.



SPECIFICATIONS

Power Outputs..... 115V Unit
 Fitted with 1/2" (12.7mm \varnothing) Elements .. 230 Watts
 Fitted with 1" (25.4mm \varnothing) Elements 230 Watts
 Fitted with 2" (50.8mm \varnothing) Elements 310 Watts
 Fitted with 3" (76.2mm \varnothing) Elements 380 Watts

Size.....5"W x 9"D x 4.5"H
 (127mm x 229mm x 114mm)
 without elements and guards

Weight2.34 lbs. (1.1 Kg)

SYMBOLS



GROUND LOCATION: This protective Earth Ground Label is located inside the housings beside the ground wire. This wire is connected to the Power Supply Cable and is wired back thru the Mains supply to ground.



CAUTION LABEL: Refer to the operating instructions before using this unit. High voltage is inside this unit and power must be disconnected before servicing.



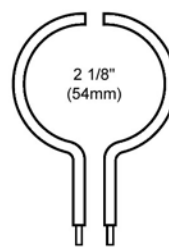
ON/OFF LABEL: This is the ON/OFF switch. Press I for on and press O for off.



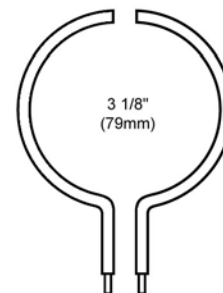
1/2" (12.7mm \varnothing)
Diameter



1" (25.4mm \varnothing)
Diameter



2" (50.8mm \varnothing)
Diameter



3" (76.2mm \varnothing)
Diameter

Single Element Bench Infrared Tubing Shrinker

OPERATING INSTRUCTIONS

SET-UP:

To set-up, first install the quartz elements into the heat sink sockets. Be sure the elements are pushed in all the way. After installing the elements, install the guards into the holes drilled on the tops of the heat sinks. Plug the unit into the appropriate electrical supply. Connect the footswitch to the jack on the rear of the unit.

OPERATION:

Turn the lighted On/Off switch on the right side of the unit to ON to apply heat to the quartz elements. The elements on the unit may be closed by use of the electrical footswitch.

The temperature of the elements may be varied by use of the knob located on the right side of the unit.

With the elements open, insert the workpiece from the side or top of the elements, close the elements, adjust the element temperature, and pull or push the material to be heated, through the elements.

Open the elements when all material has been heated and remove the workpiece from the top or side of the elements.

NOTE: Continuous elements **must** be used on the Single Element Bench Glo-Ring®.

! CAUTION: The Bench Glo-Ring® in operation, generates significant heat and should be treated with respect. Do not leave unit unattended when turned ON. When changing elements, be sure unit is unplugged from the power source and that the elements are completely cooled to the touch. The elements are manufactured from quartz glass. If dropped or knocked sharply, they will break. If elements are broken, replace immediately.

MAINTENANCE:

Keep unit clean at all times and ensure that elements and wire guards are securely installed. No cleaning should be required in normal usage. No other maintenance is required.

TROUBLE SHOOTING:

If one, or both elements in a pair do not heat, replace them.

SAFETY INSTRUCTIONS

! WARNING: DO NOT OPERATE TOOL UNTIL YOU HAVE READ THOROUGHLY, AND UNDERSTAND COMPLETELY, ALL INSTRUCTIONS, RULES, ETC. ON THIS PAGE, AND IN THE OPERATING MANUAL. WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE RISK OF FIRE, ELECTRICK SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

GROUNDING INSTRUCTIONS

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The green conductor with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.

Repair or replace damaged or worn cord immediately.

Single Element Bench Infrared Tubing Shrinker

IMPORTANT! DO NOT OPERATE MACHINE UNTIL YOU HAVE READ THOROUGHLY, AND UNDERSTAND COMPLETELY, ALL PRECAUTIONS, INSTRUCTIONS AND INFORMATION ON THESE PAGES. THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS. IT SHOULD BE RETAINED WITH THE MACHINE FOR FUTURE REFERENCE.

SAFETY PRECAUTIONS - MECHANICAL

! DO NOT OPERATE UNIT WITHOUT GUARDS IN PLACE OR WITH DAMAGED GUARDS.

! DO NOT DEFEAT ANY OF THE SAFETY FEATURES.

! DO NOT PLACE FINGERS OR APPENDAGES NEAR MOVING PARTS OR IN OR NEAR OPENINGS IN GUARDS.

SAFETY PRECAUTIONS - ELECTRICAL

! ALWAYS UNPLUG UNIT FROM POWER SUPPLY PRIOR TO ANY MAINTENANCE.

! DO NOT RUN UNIT WITH INCORRECT LINE VOLTAGE.

! NEVER RUN MACHINE WITH DAMAGED OR WORN POWER CORD.

! NEVER MODIFY THE PLUG PROVIDED. IF IT WILL NOT FIT INTO THE OUTLET, HAVE THE PROPER OUTLET INSTALLED BY A QUALIFIED ELECTRICIAN.

GROUNDING INSTRUCTIONS. Grounding provides a common return path for electric current to reduce the risk of electric shock. This machine is supplied with an electric cord with an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a licensed electrician if in doubt as to whether the machine is properly grounded.

SAFETY FIRST - USE BEST PRACTICES

ALWAYS USE SAFETY GLASSES. Everyday eyeglasses only have impact resistant lenses; they are NOT safety glasses. Also use face or dust mask if cutting operation is dusty.

REMOVE ADJUSTING KEYS AND WRENCHES.

Form a habit of checking to see that keys and adjusting wrenches are removed from machine before turning it on.

KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents. Always leave at least 12" (305 mm) of space around all sides and top of unit.

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DON'T USE IN DANGEROUS ENVIRONMENTS.

Do not use or locate machine in high humidity environments, or expose to rain. Keep work areas lighted well.

WEAR PROPER APPAREL Do not wear loose clothing, such as gloves, neckties, rings, bracelets, necklaces or any other clothing or jewelry that might get caught in moving parts. This is not an all-inclusive list. Wear protective hair covering to contain long hair. Non-slip footwear is recommended.

DON'T OVERREACH. Maintain proper footing and balance at all times.

MAINTAIN BLADES WITH CARE. Keep blades sharp and clean for optimal performance. Follow instructions for lubricating and changing blades and all accessories.

DISCONNECT MACHINE FROM POWER SUPPLY. Unplug the unit before servicing and when changing accessories.

DO NOT EXCEED THE UNIT'S MAXIMUM MATERIAL SPECIFICATIONS. Eraser's warranty will be null and void if machine has been used in any manner that is contrary to these instructions.

CHECK FOR DAMAGED PARTS. Before continued use of the machine, the guard and all moving parts should be carefully inspected to ensure that nothing is damaged.

Ensure proper alignment of moving parts. Check for any binding of moving parts, breakage of parts, and any other condition(s) that may affect operation. Any damaged part(s) should be properly repaired or replaced prior to any continued use of the machine.

ONLY ALLOW TRAINED AND QUALIFIED PERSONNEL TO OPERATE UNIT. Always keep these instructions within reach of the machine.

USE RECOMMENDED ACCESSORIES ONLY. Consult this operating manual for recommended accessories. Use only parts supplied by The Eraser Company, Inc. Use of improper accessories will void Eraser's warranty and may increase risk of injury.

ALL REPAIRS SHOULD BE PERFORMED BY AN ERASER COMPANY REPRESENTATIVE ONLY. Unauthorized disassembly of machines will void Eraser's warranty.

WHEN USING MACHINERY, ALL SAFETY PRECAUTIONS -INCLUDING, BUT NOT LIMITED TO, THOSE LISTED ABOVE -SHOULD BE FOLLOWED TO REDUCE THE RISKS OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, AND DEATH.

IMPORTANT: NO LIABILITY WILL BE INCURRED BY THE ERASER CO. FOR INJURY, DEATH, OR PROPERTY DAMAGE CAUSED BY A PRODUCT WHICH HAS BEEN SET UP, OPERATED, AND/OR INSTALLED CONTRARY TO ERASER'S WRITTEN OPERATING MANUAL, OR WHICH HAS BEEN SUBJECTED TO MISUSE, NEGLIGENCE, OR ACCIDENT, OR WHICH HAS BEEN REPAIRED OR ALTERED BY ANYONE OTHER THAN THE ERASER COMPANY, OR WHICH HAS BEEN USED IN A MANNER OR FOR A PURPOSE FOR WHICH THE PRODUCT WAS NOT DESIGNED.

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