

Short Order Products

Engraving &
Rubber Stamps
Since 1989

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WARNING: OPERATION AND MAINTENANCE OF BRANDING EQUIPMENT CAN BE DANGEROUS AND HAZARDOUS TO YOUR HEALTH.

To prevent possible injury, read, understand and follow all warnings, safety precautions and instructions before using the equipment. Call 1-800-964-8251 or your local distributor if you have any questions.



GASES AND FUMES

Gases and fumes produced during the branding process can be dangerous and hazardous to your health.

- Keep all fumes and gases from the breathing area. Keep your head out of the branding fume plume.
- Use an air-supplied respirator if ventilation is not adequate to remove all fumes and gases.
- The kinds of fumes and gases from the branding process depend on the kind of material being used, coatings on the material, and the different processes. You must be very careful when branding any materials which contain hazardous chemicals.
- Always read the Material Safety Data Sheets (MSDS) that should be supplied with the material you are using. These MSDSs will give you the information regarding the kind and amount of fumes and gases that may be dangerous to your health.
- Use special equipment, such as fans, to properly ventilate fumes and gases.
- Do not use branding equipment in an area where combustible or explosive gases or materials are located.
- Phosgene, a toxic gas, is generated from the vapors of chlorinated solvents and cleansers. Remove all sources of vapors.



ELECTRIC SHOCK

Electric Shock can injure or kill. Many products use high voltage electrical energy. This electric energy can cause severe or fatal shock to the operator or others in the workplace if used improperly.

- Never touch any parts that are electrically "live" or "hot."
- Wear dry gloves and clothing.
- Repair or replace all worn or damaged parts.
- Extra care must be taken when the workplace is moist or damp.
- Disconnect power source before performing any service or repairs. Read and follow all instructions.



FIRE AND EXPLOSION

Fire and explosion can be caused by heat, sparks, or open flame.

- Be sure there is no combustible or flammable material in the workplace. Any material that cannot be removed must be protected.
- Ventilate all flammable or explosive vapors from the workplace.
- Do not brand on containers that may have held combustibles.
- Provide a fire watch when working in an area where fire hazards may exist.



NOISE

Noise can cause permanent hearing loss. Some branding processes can cause noise levels to exceed safe limits. You must protect your ears from loud noise to prevent permanent loss of hearing.

- To protect your hearing from loud noise, wear protective ear plugs and/or ear muffs. Protect others in the workplace.
- Noise levels should be measured to be sure the decibels (sound) do not exceed safe levels.
- For information on how to test for noise, see item 1 in subsection, Publications.



SAFETY GEAR

Branding irons and branding equipment can injure your eyes and burn your skin. The branding process produces extreme heat, sparks, and in some processes an open flame. Heat, sparks, and flame can cause damage to your eyes and burn your skin if you are not properly protected.

- To protect your eyes, always wear safety glasses with side shields, goggles or other protective eye wear.
- Wear protective gloves, such as welding gloves, and suitable clothing to protect your skin from heat and sparks.
- Keep gloves and safety glasses in good condition. Replace lenses when cracked, chipped or dirty.
- Protect others in the work area from the sparks and flame. Use protective booths, screens or shields.

Publications

Refer to the following standards or their latest revisions for more information:

1. OSHA, SAFETY AND HEALTH STANDARDS, 29CFR 1910, obtainable from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402
2. ANSI Standard Z87.1, SAFE PRACTICES FOR OCCUPATION AND EDUCATIONAL EYE AND FACE PROTECTION, obtainable from American National Standards Institute, 1430 Broadway, New York, NY 10018
3. ANSI Standard Z41.1, STANDARD FOR MEN'S SAFETY-TOE FOOTWEAR, obtainable from the American National Standards Institute, 1430 Broadway, New York, NY 10018
4. NFPA Standard 70, NATIONAL ELECTRICAL CODE, obtainable from the National Fire Protection Association, Batterymarch Park, Quincy, MA 02269
5. CGA Pamphlet P-1, SAFE HANDLING OF COMPRESSED GASES IN CYLINDERS, obtainable from the Compressed Gas Association, 1235 Jefferson Davis Highway, Suite 501, Arlington, VA 22202
6. ANSI Standard Z88.2, PRACTICE FOR RESPIRATORY PROTECTION, obtainable from American National Standards Institute, 1430 Broadway, New York, NY 10018

Notice

This branding iron shall not be used to brand or mark any living flesh whether animal or human.

Purchaser agrees to this without any reservations or exceptions. BrandNew Industries, Inc. refuses any liability for damages caused by a violation of this notification.

Caution! Do Not Overheat!

It is NOT necessary to heat this tool red hot. Overheating may result in damage to the branding iron. Overheating will actually result in a less readable brand.

General Branding Instructions

Heat your branding iron using a propane torch or other open flame with significant heat. When using a propane torch, keep moving the flame to avoid localized heat spots. Allow sufficient time to reach the desired temperature – approximately 1 - 2 minutes depending on the size of the iron and the amount of heat generated by the heat source.

After your branding iron reaches temperature, quickly apply it to your work piece and hold it there firmly. The length of dwell time the iron should be held to the work piece depends on many factors including the size of the brand, the flame size, the work piece material, species of wood, moisture content within the work piece, type of plastic, among others.

Attempting to “retouch” a brand is not recommended and is very likely to cause a shadowing effect.

With a little practice, you will get the feel of your branding unit and you will be able to achieve clear, consistent results.

After branding your work, allow it to cool, lightly sand away any over burn, and finish your work piece as you desire.

Large Size Branding Irons

Larger size branding irons (approx. 5 square inches or more) are somewhat more difficult to use and require a certain degree of skill and practice to achieve consistent results.

Your work piece must be absolutely smooth and flat with no cupping or warpage. If your work piece is distorted in any way, the large flat surface of the branding iron will “bridge” over the low spots and result in an incomplete brand.

A gently rocking motion may be required to make sure that all parts of the branding iron make contact with the work piece.

Excessive pressure is not required – even for large size branding irons. Let the heat from the branding iron do the work.

Maintenance

After each use allow the branding iron to cool slowly.

Clean excess debris from the branding iron by carefully burning away residue with an open flame. Take care not to overheat the branding iron or it may separate from its mount. **DO NOT** attempt to clean the branding iron with a wire brush.

Store your branding equipment in a safe place to protect its working surface.

Do's and Don'ts

Do's

- **Always assume branding equipment is HOT** and always keep it away from children and pets.
- Use a test piece made from the same material as your work piece to test it's operation and results
- Brand only raw, unfinished wood. Finished pieces may blister, bubble, or even catch fire. A light pass with fine sandpaper will remove some of the burn discoloration at the edges of your brand and increase the contrast of the design.
- If you have several pieces to brand, it is best to do them all at the same time to have them all branded more uniformly.
- If it is ever necessary to clean your branding iron, by carefully burning away residue with an open flame. Take care not to overheat the branding iron or it may separate from its mount. **DO NOT** attempt to clean the branding iron with a wire brush.
- Allow it to cool slowly in an area away from combustibles.
- Store your branding equipment in a safe place to protect its working surface. After it cools, place the working surface on a piece of plastic or cardboard to prevent damage.

Don'ts

- **DO NOT** quench the iron in water to cool it after use. Quenching may loosen or weaken the silver soldered joint between the branding plate and its mount.
- **DO NOT** assume the tool is cool before touching it. Test the temperature by bringing the working surface down onto scrap material and feel for heat on the scrap material, not the working surface of the iron.
- **DO NOT** allow children to use or play with it.
- **DO NOT** use in an area where there are combustible materials nearby.

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