



LOCTITE® **EQUIPMENT**

OPERATION MANUAL

Hysol® 050

P/N 98030

Hysol® 050-HT

P/N 98031



LOCTITE

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Data in the manual is subject to change without notice.
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SAFETY INSTRUCTIONS

Do not touch the nozzle or molten adhesive with bare skin as they are hot - the operating temperature of the Loctite® Hysol® 050 and Loctite® Hysol® 050-HT is approximately 400°F (200°C). Protective gloves should always be worn. Careless handling can cause skin burns. If molten adhesive comes into contact with the skin immerse the affected area immediately in plenty of cold water. Seek medical advice if necessary.

In addition to the safety instructions herein, any statutory regulations, local fire insurance regulations, or other generally valid "regulations for accident prevention" must be complied with when using this tool.

- Never use the tool if it is damaged in any way.
- Do not use this tool in damp rooms, outdoors while it is raining, or where there is high humidity.
- Do not use this tool in the vicinity of any heat-sensitive materials, or any flammable materials, liquids, or gases.
- Only use extension cables that meet the specification shown in "Technical data".
- Never pull on the tool's connecting cable.
- This tool should only be used by children whilst under strict adult supervision.

BOND • SEAL • ASSEMBLE • INSULATE • REINFORCE • ENCAPSULATE • REPAIR • FILL – *INSTANTLY*

The Loctite® Hysol® 050 and Loctite® Hysol® 050-HT are simplicity themselves, to operate just plug into a 120 VAC power supply and the gun will be ready for use in just 5 minutes. Glue sticks can be fed continuously through the back of the gun. Use only genuine Loctite® Hysol® adhesive glue sticks. Suitable for use with most materials. Just apply Loctite® Hysol® adhesive to one surface then press parts together and the bond is made. Can be used for bonding: Wood, Paper, Cardboard, Foam, Chipboard, Hardboard, some Plastics, Rubber, Glass, thin Metals, Ceramics, Leather, Fabrics and many more.

USING THE Loctite® Hysol® 050 and Loctite® Hysol® 050-HT

Before using the tool for the first time:

1. Check it carefully for signs of external damage. If any transit damage is found DO NOT USE THE TOOL - return it to your supplier immediately.
2. Attach the enclosed metal side-stand/hanger, locating the hooks on its legs into the holes on either side of the casing. When correctly assembled the side-stand should be able to pivot.
3. Either attach the plastic tool-stand by sliding it into the slot at the base of the tool handle, or, for a more permanent fixture, screw the tool-stand to a convenient position on your work surface, then slide the tool onto this fixed stand.
4. Insert a Loctite® Hysol® adhesive stick into the rear of the tool. Push the stick forward until slight resistance is felt.

Normal use:

- Place the tool in a safe position, either resting on its side using the side-stand provided, standing upright on a flat surface, or suspending via the hanger facility.
- Plug the tool into the power supply socket, and switch on the power. The power indicator light on the top of the tool will illuminate.
- Wait 4-5 minutes for the tool to reach its normal operating temperature.
- Squeeze the trigger to advance the glue stick and extrude molten adhesive through the nozzle.
- To stop extruding adhesive simply release the trigger.

When adhesive can no longer be extruded from the tool, it is time to reload a further glue stick.

Once the gluing task is completed place the tool in an upright position on a flat surface (always use the stand when resting the tool). Ensure that the nozzle cannot cause any damage to surrounding materials. Switch off the power, and allow the tool to fully cool down before packing it away. Never wrap the power lead around a tool that has not fully cooled. Any unused glue stick can remain in the tool; it will be fully reusable when heated up again.

PREVENTATIVE MAINTENANCE

- When in use, do not lay the tool on its side unless using the metal side-stand provided.
- Do not use excessive force on the trigger. Ensure that the tool has fully warmed up before use.
- Keep the nozzle clean to prevent adhesive build-up. This is easily done by wiping the nozzle with clean paper or cloth whilst the nozzle is still warm.
- Should “glue backup” or “meltback” accidentally occur (when molten adhesive becomes visible at the point where the glue stick enters the heater tube), switch off the tool and allow the adhesive to cool. Gently pull away this excess adhesive, reconnect the power, and allow the tool to warm up again. Now squeeze the trigger two or three times to advance the glue stick, then use the tool as normal.

APPLICATION HINTS

As with all adhesives, performance depends on conditions of use. Suggestions or recommendations contained herein are for guidance only, since actual conditions of use are outside the supplier's control.

- Ensure that the surfaces to be bonded are dry, free from dust, grease, and loose particles.
- Apply adhesive to one surface only. Bring the two surfaces together immediately, quickly making any further adjustments. Hold the joint for 20 - 30 seconds to complete the bond.
- When gluing dissimilar materials, apply the adhesive to the least heat conductive of the two.
- On materials that are cold to the touch, a better bond can be made by pre-warming them before applying adhesive.
- Surplus adhesive can be trimmed using a sharp knife once it has cooled. Should molten adhesive drip onto a smooth or polished surface, allow it to cool completely before removal.
- Spots or blobs of adhesive are recommended for work pieces having a large surface area, or which are particularly long.
- Applying the adhesive in wavy lines is recommended for gluing textiles or similar materials.
- Foam materials, like polystyrene, can be easily bonded to other surfaces. However the adhesive must be applied to the other surfaces, not to the foam.
- Use only genuine Loctite® Hysol® adhesive sticks to ensure reliable performance. Loctite® Hysol® adhesive sticks are non-toxic and non-flammable.

REPLACING THE NOZZLE

Only replace the nozzle whilst the tool is still warm. Disconnect the tool from the power supply before proceeding, and always use protective gloves.

Remove the rubber safety cover from the nozzle. Unscrew the nozzle from the tool using a 13mm spanner (such as that in the plastic tool-stand). Fit the replacement nozzle, ensuring that it is securely tightened. Replace the rubber safety cover.

SERVICING AND REPAIRS

The Loctite® Hysol® 050 and Loctite® Hysol® 050-HT contain no user-serviceable parts. In order to avoid a hazard, any servicing or repairs, including replacement of the supply cord, should only be carried out by the manufacturer, its service agent, or other similarly qualified person. The tool should be disconnected from the electrical supply before any servicing or repair work is undertaken.

TECHNICAL DATA

Dimensions (L x H x W):	10 ¼" x 7 ½" x 3" (approx. 260 x 190 x 77 mm)
Total weight:	1 ½ lbs. (approx. 670g)
Connection cable with mains plug:	78" long (1.8 m)
Operating voltage:	120 VAC 50/60Hz
Power consumption:	approx. 250 W
Heating up time:	4-5 min.
Operating temperature:	Hysol 050 approx. 383°F (195° C) Hysol 050-HT approx. 419° F (215° C)
Diameter of adhesive inlet: (Use only genuine Loctite® Hysol® adhesive sticks)	1/2" (12 mm)
Extension cable:	max. 65 ft long (20 m)
Wire cross section:	at least 16 a.w.g. (1.5 mm ²)

Optional nozzles:



985225 1 HOLE	985110 2 HOLE	985111 3 HOLE	985112 EXTENSION	985113 NEEDLE	985114 SPREADER	985115 'L' NOZZLE	985088 NOZZLE ADAPTOR
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GUARANTEE

The Loctite® Hysol® 050 and Loctite® Hysol® 050-HT are guaranteed against faulty workmanship and materials for a period of **12 months** from the date of purchase. Within this warranty period the manufacturers undertake, at their discretion, to either repair or replace any tool proved to be defective (proof of purchase will be required for verification). This guarantee is invalidated if the tool is opened, or modified in any way, or if adhesive formulations other than those supplied by the tool's manufacturer are used. Warranty claims attributable to improper, or careless, use or handling, and to normal wear, are excluded from this guarantee.

The supplier's and manufacturers only obligation shall be to replace such tools that are proved to be defective. Neither supplier nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use, or the inability to use, this tool. The user shall determine the suitability of this product for its intended use, and the user assumes all risks and liability whatsoever in connection therewith.

The manufacturer reserves the right to improve or modify this product without prior notice.