

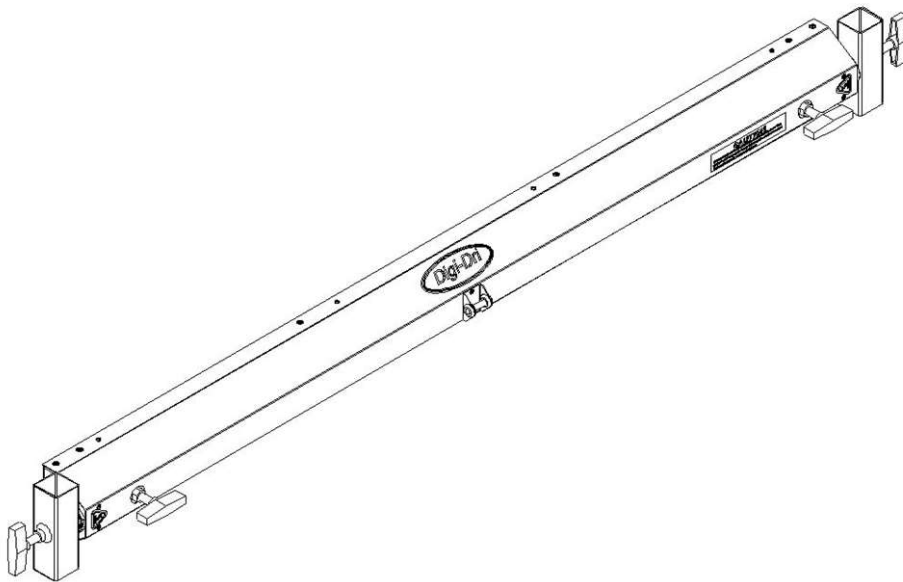


# Owner's Manual

## DIGI-DRI

### Large format digital inkjet printer dryer

*ORIGINAL DOCUMENT*



## IMPORTANT INSTRUCTIONS

### SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

This manual covers assembly and operation.

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## WARNINGS

The operator should familiarize themselves with this manual and all the **WARNINGS** before installing or working on this heater to avoid potentially hazardous conditions, severe property damage, personal injury, or death.

1. BBC Industries is interested in the safe operations of this equipment. All wiring to this equipment must be connected to the source in strict accordance with all local codes having jurisdiction.
2. A dedicated electrical (earth) ground is required for proper operation of the equipment.
3. This equipment is meant for the drying/curing of ink jet printer inks on substrates. Use for any other purpose may cause fire, electric shock, or injury to persons.
4. This heater is for indoor, non-residential use.
5. Install unit in a location with adequate emergency exits.
6. The dryer has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
7. Use the dryer in a well-ventilated space. Refer to the Safety Data Sheet (SDS) for any inks or dyes that you are drying/curing.
8. The area around this equipment should be designated as a work zone with only authorized personnel allowed in the work zone.
9. Keep the work zone clean and free of debris. A perimeter of at least 18 inches (.5 m) around the equipment is recommended.
10. Do Not use extension cords to power this equipment.
11. This equipment is hot when in use. To avoid burns, do not touch hot surfaces. Do not set objects on the unit.
12. Puncture of the heating element face may result in a shock hazard. Do not operate if heater face or power cord is damaged.
13. Do not operate the heater after it malfunctions. Disconnect power at service panel and have the dryer inspected by a qualified technician before reusing.
14. To disconnect the heater, turn off power and unplug the device.
15. When energizing the unit, be sure heater face is not within 3 ft. (1 m) of any combustible materials.
16. Do not leave the unit unintended while in use.
17. These units do not produce noise exceeding 70 dB(A).
18. Handle unit in a safe manner.

# Assembly Instructions

- Please review all these instructions prior to assembly.
- The *Black Body*® “Digi-Dri” is packaged in 2 cartons for shipment.
- DDAS auto shut off units are shipped in a separate carton.
- Please make sure all pieces have been received before attempting assembly.
- Note that portions of assembly procedure require 2 people.

## ASSEMBLY PROCEDURE:

The following **assembly** procedure is recommended for this equipment:

1. Inspect and identify all the shipped equipment and parts. Immediately report any suspected lost or damaged items.
  - a. The flat carton includes two preassembled floor stands with casters.
  - b. The triangular shaped carton includes the heat control, and the heater head with stand mounting weldments inserted into each end, secured with studded grip handles.
2. Erect the floor two floor stands from the flat carton per their instructions.
3. Lay stands on the floor separated approximately by the length of the heater head with the longer end of the base pointed upwards.
4. Please the heater head onto a flat surface.
5. The square tubing mounding weldments inserted into the ends of the heater should be parallel to each other before attaching the heater head to the floor stand. Loosen the studded grip handles on the back of the heater head and adjust if necessary.
6. Loosen the studded grip handles threaded into the nuts on the square tubing weldments at both ends of the heater.
7. With a person at each end of the heater, slide the weldments over the square tubes of the floor stand to roughly the same location on both stands.
8. Tighten the grip handle on the weldments to secure the heater.
9. Stand the heater assembly upright.
10. The stand is designed for the longer end of the base to face towards your printer. Roll the heater assembly up to the printer.
11. While holding the heater head, loosen the end grip handles, level, and adjust heater head to the desired height. Tighten the grip handles.
12. The mounting weldments extend 18-inches into the ends of your heater allowing you to adjust the spacing of the floor stands as needed. Loosen the grip handles on the backside of the heater and adjust the angle of the heater head and the spacing of the stand.
13. Slide the Heat Control box over the square tube of the floor stand on the cord side of the heater.
14. If this installation includes a second heater head for higher speed requirements, repeat steps (5) through (13) with the second heater head.
15. Plug the heater head into the receptacle on the heat control, followed by plugging the heat control into the appropriate power source.

16. Route the Heat Control power cord through the plastic wire guide on the side of post and close the clip.
17. Press and rotate the dial(s) counterclockwise on the heat control(s) to a setting of **70**.
18. Check that the indicator light illuminates and the face of the heater begins to heat up by holding your hand about 2" from the heater face.

**NOTE: THE HEATING ELEMENT HEATS UP QUICKLY AND SHOULD NEVER BE TOUCHED.** The heating element may emit a slight odor and vapors on the initial start up. This is normal and will disappear after a few moments.

## **OPERATION:**

The following procedures are recommended for normal use and operation of this dryer.

1. The *Digi-Dri* utilizes infrared heat emitted from the surface of the heater panels rather than circulated warm air. Adjust the height and orientation of the heater head so that it is directed only at the printed substrate. If any energy is directed into the printer, your print heads can dry out.
2. The face of the heating element(s) should be parallel to the substrate, approximately 3" to 4" away.
3. Supervise that the media will not contact the face of the heater during the printing and drying process.
4. Press and rotate the dial(s) on the heat control(s) counterclockwise from the to a setting of **70** as a starting point.
5. Allow approximately 5 – 10 minutes for the *Digi-Dri* to initially "warm-up".
6. Observe and test the images as they move across and beyond the heater head. The setting on the Heat Control depends upon the speed of the printer, type of substrate, room ambient conditions (specifically humidity), and the amount of ink deposited. When adjusted properly, the printed material can roll directly onto a take-up roller without damage to the image.

**Turn off the Digi-Dri when not in use. Do not touch any part of the heater or allow any materials to contact it.**

Please contact the service department at *BBC Industries* (800-654-4205) or [service@bbcind.com](mailto:service@bbcind.com) with any questions regarding these instructions.

