



ISIJET BlueStreak Site & Installation Requirements

Thank you for selecting the ISIJet BlueStreak UV Printing System from Innovative Solutions, Inc.

The ISIJet BlueStreak UV Printing System must be operated in accordance with certain environmental and safety requirements as noted in this document. You will be asked to comply with these requirements as a condition of receipt and installation of the printer. The operator safety guidelines need to be communicated to all individuals working with the printer, and practiced by each operator.

Delivery/Uncrating

Inside delivery is standard, unless otherwise communicated to Innovative Solutions. The upgrade kit is normally delivered in multiple crates containing the main assemblies and computer system.

Please ensure that an adequate path exists to get the crates into your facility

Please do not unpack the crates. This must be done with an ISI service person present to prevent damage to critical parts.



Space Requirements

The ISIJet BlueStreak UV Printing System Upgrade is contained entirely within the NUR Blueboard HiQ printer footprint.

The ISIJet BlueStreak computer work station is separate from the printer and may be situated anywhere on the left side of the printer that is convenient for the operator.

Leave approximately three feet of working space on all sides of the printer to allow for proper service access. In addition the supply media is loaded from the front of the printer, which must remain unobstructed to allow media rolls to be loaded.

Environment

The printer will operate optimally in a controlled environment. The area where the ISIJet BlueStreak is installed should be reasonably free of dust and other airborne particulates (for example, the printer should not be placed in an area where routers, sanders or trimmers are used).

The printer should not be installed near equipment of strong radio frequency interference. An easy to clean floor that does not generate dust or static electricity is preferable. Lighting consisting of pure white (daylight) colored illumination will aid operators and clients in judging color accuracy.

Temperature	Operating Range	Storage Range
	60°F to 85°F (15.6°C to 29.4°C)	60°F to 90°F (15.6°C to 32.2°C)
Relative Humidity (Non-condensing)	20% to 80%	20% to 80%

Air Requirements

An air supply with a minimum of 70 PSI at 3 cubic feet per minute that is oil and water free is required for use with the printer.

Electrical Requirements & Installation

Hire a qualified electrician to install or move required electrical service. The ISIJet BlueStreak electronics require a dedicated circuit of 208/240 VAC, 50/60Hz, 4-wire (L1 + L2 + N + G), 35-amp service to operate properly. A second circuit of the same specifications will be required for the drive end of the machine. For existing Blueboard installations the second power feed will already be in place.

Total power consumption of the ISIJet BlueStreak electronics is approximately 5 Kilowatts. The existing NUR Blueboard electronics also consume and estimated 5 Kilowatts. The AC wire circuit will be a 4-wire and be wired with an independent circuit breaker and circuit ground (computer grade) that is isolated from other equipment. Power should not be susceptible to voltage fluctuations.

Note: In areas with unstable power sources, it is recommended that a Uninterrupted Power Supply (UPS) with a capacity of 10 Kilowatts be installed.

Important: Regardless of incoming power it is required that the ISIJet BlueStreak control computer be connected to power through a UPS system.

Ventilation

Fumes from the UV-cured inks, as well as excess heat, must be properly ventilated to an outside source per local ordinances and requirements. If a power exhaust system is not already in place, one may be purchased from an industrial equipment supplier.

Operator & Maintenance Requirements

Operator

The printer control software program runs the supplied computer system running Windows XP Pro operating system. The program allows the operator to send and re-send prints and also configure the printer to do automatic and manual maintenance routines.

ISI will supply a monitor, mouse and keyboard for connection to the ISIJet BlueStreak control computer. The operating station should be located close to the printer.

The customer is responsible for providing network connections and internet access (as needed) for the control workstations to allow for software updates as needed.

Maintenance Requirements

Operators are responsible for the operation and routine maintenance of the print heads and ink systems. A routine maintenance schedule is included in the Users Guide, and may also be posted on the rear of the unit. Diligent application of this routine is essential for optimum performance of your printer.

Safety Information

UV Curing Lamps

The ISIJet BlueStreak uses UV-cured inks that require curing with high levels of UV illumination.

Danger: Short or long term exposure to the UV curing illumination can cause permanent eye or skin damage. Proper UV eye protection must be worn at all times when the printer is in operation.

Handling Inks

The printer uses UV-cured inks; the liquid and the fumes are combustible. The inks may cause eye irritation, skin irritation upon contact, may be absorbed through the skin, and may cause respiratory system irritation and nervous system impairment.

Read and practice safety guidelines as outlined in the Material Safety Data Sheet (MSDS) for each ink, and post the document in the work area as required by prevailing law. An excerpt of the MSDS follows.

Personal Safety

The operator should wear butyl rubber gloves, a protective apron, a NIOSH-approved respirator (half-mask organic vapor respirator), and safety glasses with side shields when handling inks.

What to do with Ink Spills on Surfaces

Observe precautions as noted above. Ventilate area. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with water. Place in a closed container. Do not release to waterways or sewer. Incinerate in a permitted hazardous waste incinerator.

What to do with Ink Spills on Persons

- **Eye contact:** immediately flush eyes with large amounts of water. Get immediate medical attention.
- **Skin contact:** flush skin with large amounts of water. If irritation persists, get medical attention.
- **Inhalation:** remove person to fresh air. If not breathing, give artificial respiration and get immediate medical attention. If breathing is difficult, get immediate medical attention.
- **If swallowed:** call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

Please read carefully, complete, sign, and fax signed document to Innovative Solutions, Inc. at (256) 725-7751.

A signed form is required before machine is installed.

The customer certifies that the environmental requirements listed on page 1 -- or an equivalent system -- will be in place before installation. Prior to installation, Innovative Solutions, Inc. ("ISI") Customer Service will call to confirm site is ready. If ISI Service arrives and site isn't ready as required, the ISIJet BlueStreak will not be installed, and Innovative Solutions, inc. reserves the right to charge for any additional visits required to install the printer.

The customer acknowledges receipt of initial maintenance requirements information as outlined in this document, and understands that maintaining the ISIJet BlueStreak as indicated is in the customer's best interest to ensure quality output. If maintenance is neglected, resulting in a service call, ISI reserves the right to charge the customer to restore the printer to proper operating condition.

The customer acknowledges that it has received initial safety information as outlined above; that the customer has read and understands it; and that it has been or will be fully communicated to all pertinent staff, and will be posted in accordance with the prevailing law. The customer is responsible for advising and training its staff on safety issues beyond the initial information contained here.

The customer acknowledges that the ISIJet BlueStreak was designed specifically for use with inks and media authorized by Innovative Solutions, Inc. The use of any unauthorized ink and/or media is not supported by ISI. If unauthorized inks or media are found to have caused damage to the ISIJet BlueStreak, ISI reserves the right to charge the customer for parts and labor, at published time-and-materials rates, to restore the printer to the proper operating condition.

Customer _____

Address (printer location) _____

City, State _____

Zip/Postal Code _____

Country _____

Primary Contact _____

Telephone _____

Fax _____

E-mail _____

Sales/Purchase Order Number _____

Date _____

Signature of Legally Responsible Individual _____

Print or Type Name _____



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Printer output may vary depending on type of print data file, application, media, environmental conditions, print speed, or other variables. Many of these variables can be controlled by the operator to optimize to production and output quality requirements. Only approved consumables purchased from Innovative Solutions, Inc. or authorized distributors and designated for use in the **ISIJET BlueStreak** are warranted for use in the printer.

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