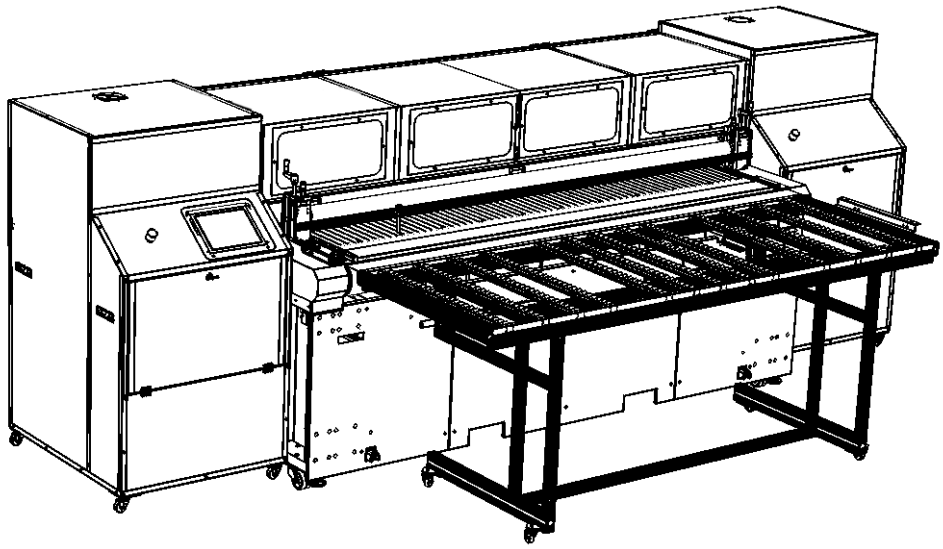
HP Scitex FB910 Printer
Site Preparation Guide



Preparing for Your New Printer

Follow these guidelines to prepare your site for delivery of the printer.

Electrical Power

The required electric circuit must be installed by a qualified electrician before the printer can be installed (see Table 2, "Specifications," on page 6). The printer is supplied with the required power cord, which must not be lengthened or attached to an extension cord.

The printer requires "three-phase power." Three-phase power provides a more efficient means of supplying large electrical loads than single-phase power, which is common in offices and homes.

- If **three-phase** power is supplied by your local electric utility to your facility, have a qualified electrician install the receptacle specified in Table 2, "Specifications," on page 6, to the three-phase circuit that the printer will use.
- If **single-phase** power is supplied to your facility, purchase a phase converter to convert your building's single-phase power to three-phase power, and have it installed by a qualified electrician prior to the printer's installation date.

NOTE: Regardless of whether you are using utility-supplied three-phase power or a phase converter, the printer requires power as specified in Table 2, "Specifications," on page 6. **Installation of the printer cannot begin until power as specified is available.**

For locations that receive 60 Hz electric service (such as the United States), the recommended phase converter for the printer is:

"Phase Perfect" Digital Phase Converter Model DPC-A10
Manufactured by Phase Technologies, LLC
1141 Rand Rd. Unit A, Rapid City, SD 57702
Web: http://www.phaseperfect.com
Phone to buy, or to find your local distributor: +1 866.250.7934 or +1 605.343.7934

By special arrangement with the manufacturer, you are eligible for a discounted price and technical support on this product. To obtain the discount and support, mention that you will be using the converter with a Hewlett-Packard printer.

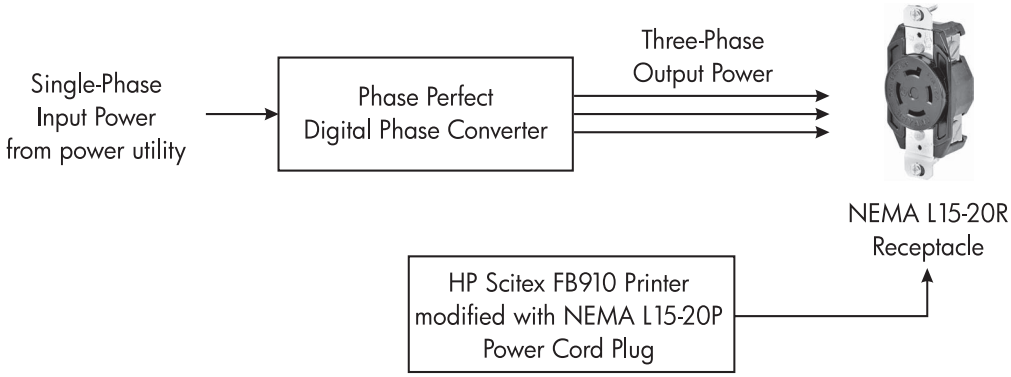
With this phase converter, when the printer is installed, the printer's power cord must be modified with a new plug. To enable this, order part number CH242A (HP,SCITEX,FB900,PHASE_CONVERTER_PLUG,KIT) for delivery prior to the printer installation date.

Compressed Air

The printer uses compressed air to raise and lower the media rollers and media alignment bar. Any compressed air supply rated at 80-100 psi (5-7 bar) is sufficient for this purpose, for example: existing facility air (shop air), or an inexpensive portable compressor with a 3 gallon (14 liter) capacity, which will deliver a minimum of 2.5 SCFM @ 90 psi. The larger the reservoir on the compressor, the less frequently the compressor will be required to run. The air supply is connected to the printer via 3/8 inch hose and 1/4 inch industrial quick-connect coupling.

A portable air compressor can be located underneath the printer. If the loud sound emitted by the air compressor pump is undesirable at your location, you can locate the compressor in an adjoining room, and connect it to the printer with a hose of sufficient length.

Fig. 1. Optional phase converter configuration (60 Hz service only)



Receiving the Printer

A fork lift truck with 45-inch (114 cm) forks and a receiving dock are required to receive the printer. Receiving the printer at ground level is not practical. The shipping crate is designed for fork lift handling: it can be pushed or pulled from the ends, or lifted from the sides as needed. After unpacking, the wood packaging packs flat and should be returned to the factory.

Use the following dimensions and weights as you plan to receive and move the printer to its final location:

Table 1: Shipping Dimensions and Weight

Height	74 inches (188 cm)
Depth	55.5 inches (141 cm)
Width	216.5 inches (550 cm)
Weight	3070 pounds (1395 kg)

An Authorized Service Provider will install the printer. Depending on the space available at your location, you can either unpack and assemble the printer in your receiving area, then move the printer on its wheels to your production area, or move the shipping container unopened to your production area, and unpack and assemble it there. A technical representative will work with you in advance to plan for receiving, unpacking, and assembling the printer.

The printer must be installed on a flat and stable floor. During installation, the printer and media tables will be leveled to ensure accurate media feeding.

Fig. 2. Receiving the printer box (left), top and end box panels removed (right)

The printer feet, cabinet casters, and table casters can be adjusted to compensate for a maximum floor slope (elevation change) of 2.2 inches (5.6 cm) over the printer width of 180 inches (457 cm), and 2.0 inches (5.1 cm) over the printer depth of 118 inches (300 cm).

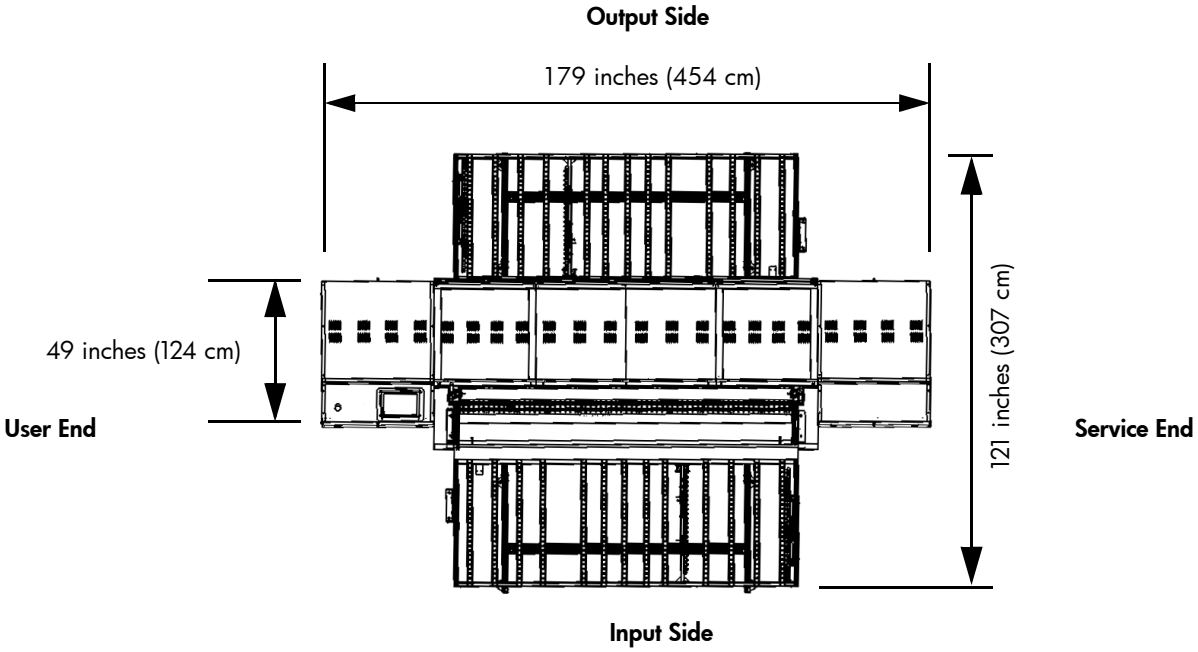
Space Requirements

Allow enough space around all sides of the printer to load and unload ink and media, and operate the control panel.

The rigid cut-sheet workflow requires some space planning for operator movement between the blank media stock (pallets or tables), the printer when loading media, operating the printer, and unloading media. Cut sheets are loaded from the Input Side of the printer.

The compressed air connection is on the Service End of the printer. The power cord (length 19.7 feet/6 meters) is also located at the Service End of the printer. For further details, see the diagrams below and the dimensions shown in Table 2, “Specifications,” on page 6.

Fig. 3. Printer dimensions



Ink and Media Handling

You will need an area near the printer to store media and ink, and to finish and package prints for shipment or distribution. For best results, media and ink should be stored in a temperature- and humidity-controlled environment similar to the printer’s environment.

Rigid cut-sheet media should be stored flat and not stored for long periods before use. Any warping of this media will increase the likelihood of the carriage striking it during printing, or media feed problems.

Due to the tendency of synthetic rigid media to build up an electrostatic charge, electrostatic discharge (ESD) abatement measures such as raising the relative humidity in the room or draping copper grounding tinsel over the stored media may be necessary.

UV Cure Ink is Perishable

Unlike other inks used in wide format printing, UV cure ink has a limited shelf life. Plan to rotate your ink stock and use it promptly by the date printed on the ink box.

External RIP

The printer receives print jobs from an external RIP, such as the HP RIP Software or supported third-party RIP. These software products require the purchase of server hardware that meets the requirements of the RIP. The RIP software and server hardware must be available for installation with the printer.

Table 2: Specifications

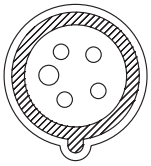
Dimensions (Assembled)	Height: Depth without tables: Depth with tables: Width:	63 inches (160 cm) 49 inches (124 cm) 121 inches (307 cm) 179 inches (454 cm)
Weight (Assembled)	Printer without tables: Tables only:	1675 pounds (761 kg) 150 pounds (68 kg)
Operating Conditions	Temperature: 68–85° F (20–30° C) Relative Humidity: 20–80%, non-condensing	
Storage Conditions	Temperature: -30–120° F (-34–49° C) Relative Humidity: 10–80%, non-condensing	
Agency Compliance	Safety: CE, UL, c-UL Emissions: FCC-A, CE Immunity: CE	
Compressed Air (Shop Air)	Customer-supplied, 80-100 psi (5-7 bar)	
Electrical Power	**Power used:** 200-240 VAC, three phase (3ϕ), 50/60 Hz, 16 Amps maximum **Required electrical circuit:** **North America/Japan** 200-240 VAC, 20 Amps, 3ϕ, with **NEMA L21-20R** locking wall receptacle, *OR* 200-240 VAC, 20 Amps, 3ϕ, 60 Hz, with **NEMA L15-20R** locking wall receptacle and "Phase Perfect" Digital Phase Converter Model DPC-A10  *With utility-supplied 3-phase:* NEMA L21-20R receptacle 4-pole 5-wire grounding 20A 3-phase Locking **OR**  *With 60 Hz 1-phase and phase converter:* NEMA L15-20R receptacle 3-pole 4-wire grounding 20A 3-phase Locking **Europe** 200-250 VAC, 16 Amps, 3ϕ, 50 Hz, with 5-pin **IEC 60309** wall receptacle  IEC 60309 receptacle 5-pin 16A 3-phase 200-240 VAC	

Table 2: Specifications

Required power cord (supplied with printer):

- Part No. 0506213 North America (UL/CSA approved), length 19.7 feet (6 m), requires FRM #0901565 if using phase converter (see "Electrical Power" on page 2); **OR**
- Part No. 0602650 Europe (Harmonized), length 19.7 feet (6 m)

Optional auxiliary power for vacuum system:

Supplied 24 volt DC power supply with universal adapters, connected from the auxiliary power jack on the vacuum/pressure assembly to **one** of the following:

- **Printer's patch panel power outlet** (configuration as shipped) — if the power cord to the printer is removed, power to the vacuum system is removed. If the printer standby power switch is switched off, but the power cord is not removed, power to the vacuum system is preserved.
- **Wall outlet** — 100-240 VAC, 50/60 Hz, provides temporary power to the vacuum system when it is necessary to remove power from the printer for service.
- **UPS** — customer-supplied uninterruptable power supply, output 100-240 VAC, 50/60 Hz, minimum of 15 watts of power, provides battery backup to the vacuum system in the event of a power failure. UPS is connected to the electric wall outlet.

Safety Information

- UV light — the ultraviolet (UV) curing lamps emit high power UV light. The printer must be operated with all safety shielding installed to protect the operator from eye and skin damage. When operated according to manufacturer's instructions, safety glasses or other protective clothing are not necessary.

- Mechanical hazards — Keep fingers away from carriage and media path. Use a fork lift truck to lift the printer. Do not exceed the maximum weight load of the input or output tables, as printed on the label.

- Ink — read and practice safety guidelines as outlined in the Material Safety Data Sheet (MSDS) for the ink, and post the document in the work area as required by prevailing law. Avoid any contact with skin and eyes. Provide adequate general and local exhaust ventilation. Avoid breathing vapors. Respirator protection may be required under exceptional circumstances when excessive air contamination exists. None of the component substances have established exposure standards per OSHA, NIOSH or ACGIH.

- Electrical — WITH THE POWER SWITCH IN THE OFF POSITION, POWER MAY STILL BE SUPPLIED TO THE PRINTER COMPONENTS. To completely cut power from the printer, you must unplug the power cord from the power outlet.

- Ozone — the high power UV light emitted by the curing lamps reacts with oxygen and produces ozone. This formation tends to be greatest during lamp start-up. The printer should be operated in a well-ventilated area to avoid minor effects such as headaches, fatigue, and dryness of the upper respiratory tract. Normal air movement will mix the ozone with fresh air, causing it to revert back to oxygen.

- Hazardous waste — THE PRINTER ELECTRONICS ASSEMBLY CONTAINS A LITHIUM BATTERY DEVICE. THERE IS A DANGER OF EXPLOSION IF THE BATTERY IS INCORRECTLY REPLACED. The battery must be replaced only by authorized service providers, and must be replaced only with the same or equivalent type. Dispose of this lithium battery device in accordance with local, state (or province), and Federal (or country) solid waste requirements.

Deutche

- UV-Licht – die ultravioletthärtenden Lampen strahlen Hochleistungs-UV-Licht ab. Der Drucker muss mit allen installierten Sicherheitsabschirmungen betrieben werden, um den Bediener vor Augen- und Hautschäden zu schützen. Sicherheitsbrillen oder andere Schutzkleidung ist nicht erforderlich, wenn gemäß den Herstelleranweisungen gearbeitet wird.

- Mechanische Risiken – Halten Sie die Finger fern vom Laufwagen und von der Medienzuführung. Überschreiten Sie nicht die maximale Gewichtsauslastung der Eingabe- oder Ausgabetische, die auf dem Etikett aufdruckt sind.

- Tinte – lesen und beachten Sie die Sicherheitsrichtlinien, wie sie im Material- Sicherheitsdatenblatt (MSDS) für die Tinte dargestellt sind und bringen Sie das Dokument, wie von der aktuellen Rechtsprechung gefordert, im Arbeitsbereich an. Vermeiden Sie jeden Kontakt mit Haut und Augen. Stellen Sie ausreichende generelle und lokale Absaugvorrichtungen bereit. Vermeiden Sie das Einatmen von Dämpfen. Eine Atemschutzmaske könnte unter außergewöhnlichen Umständen, wenn erhöhte Luftverschmutzung besteht, erfoderlich sein. Keine der Bestandteile haben Gefahrenstandards nach OSHA, NIOSH oder ACGIH etabliert.

- Ozon – das Hochleistungs-UV-Licht, das von den Aushärtungslampen abgegeben wird, reagiert mit Sauerstoff und produziert Ozon. Diese Entwicklung ist am größten, während die Lampe hochgefahren wird. Der Drucker sollte in einem gut gelüftetem Umfeld betrieben werden, um geringfügige Auswirkungen, wie Kopfschmerzen, Müdigkeit und Austrocknen der oberen Atemwege zu

vermeiden. Die normale Luftbewegung vermischt das Ozon mit Frischluft, wodurch es wieder zu Sauerstoff umgewandelt wird.

Español

- Luz UV — Las lámparas de curado ultravioleta (UV) emiten luz UV de alta intensidad. La impresora debe ser manejada con filtros de seguridad instalados para proteger al operador de posibles daños en ojos y piel. Si la operativa del equipo se ajusta a las instrucciones del fabricante no será necesario el uso de gafas de seguridad ni vestimenta de protección.

- Riesgos mecánicos — Mantener los dedos fuera del camino tanto del cabezal como del soporte. No debe excederse el peso máximo de carga de las mesas de entrada y salida, según lo especificado en la etiqueta.

- Tinta - Lea y ponga en práctica las recomendaciones de seguridad recogidas, en la Hoja de Datos de Seguridad del Material (Material Safety Data Sheet - MSDS), para la tinta y exponga dicho documento en el área de trabajo, tal y como requiere la legislación vigente. Evite todo contacto con piel y ojos. Asegúrese de disponer de una adecuada ventilación y extracción tanto general como local. Evite la inhalación de vapores. Un respirador de protección puede llegar a ser necesario, bajo circunstancias excepcionales, cuando exista una excesiva contaminación del aire. Ninguna de las sustancias componentes tienen estándares de exposición establecidos por OSHA, NIOSH o ACGIH.

- Eléctrico — CON EL INTERRUPTOR DE POTENCIA EN POSICIÓN "OFF", LA POTENCIA PUEDE SEGUIR SIENDO SUMINISTRADA A LOS COMPONENETES DELA IMPRESORA. Para cortar totalmente el suministro de corriente a la impresora, deberá desenchufar los cables de potencia de las tomas.

- Ozono — La luz UV de alta intensidad emitida por las lámparas de curado reacciona con el oxígeno y produce ozono. Esta reacción tiende a ser de mayor relevancia durante el proceso de arranque de lámparas. La impresora deberá ser operada en un área bien ventilada para evitar pequeños efectos secundarios como dolor de cabeza, fatiga y sequedad de las vías respiratorias superiores. El movimiento normal del aire mezclará el ozono con aire fresco, haciendo que reaccione de forma inversa, a oxígeno.

- Residuos Peligrosos — EL GRUPO ELECTRÓNICO DE LA IMPRESORA CONTIENE UNA BATERÍA DE LITIO. EXISTE RIESGO DE EXPLOSIÓN SI LA BATERÍA ES REEMPLAZADA DE FORMA INCORRECTA. La batería debe ser reemplazada únicamente por personal técnico autorizado y sólo por otra igual o equivalente. Deshágase de esta batería de litio según los requisitos de tratamiento de residuos sólidos establecidos por su localidad, provincia y país.

Français

- Lumière UV — Les lampes à séchage ultraviolet (UV) diffusent une puissance de lumière UV importante. L'imprimante doit être utilisée en tenant compte de toutes les mesures de sécurité mises en place pour protéger l'opérateur de blessures aux yeux et sur la peau. Quand vous utilisez l'imprimante, les lunettes de protection et vêtements de protection ne sont pas nécessaire.

- Risques mécaniques — Garder les mains éloignées du chariot et du chemin papier. Ne pas dépasser le poids maximum pour des tableaux en entrée et en sortie, comme indiqué sur la fiche.

- Encre — Concernant les encres, lire et respecter toutes les mesures de sécurité comme indiqué dans le Material Safety Data Sheet (MSDS) et placer ce document dans l'espace de travail comme requis par la loi. Eviter tout contact avec les yeux et la peau. Mettre en place une ventilation générale et locale adéquate. Eviter de respirer les vapeurs. Des protections respiratoires peuvent être nécessaires dans des circonstances exceptionnelles lorsque qu'une contamination excessive de l'air existe. Aucun des composant standard n'a été établi comme une menace our OSHA, NIOSH ou ACGIH.

- Electricité — Lorsque la touche ON/OFF est sur la position OFF, l'électricité est quand même fournie aux composants de l'imprimante. Pour éteindre totalement l'imprimante, il faut débrancher le câble électrique de la prise.

- Ozone — L'émission importante de lumière UV émise pour le séchage par les lampes réagit à l'oxygène et produit de l'ozone. Cette réaction tend à être plus importante au moment du démarrage des lampes. L'imprimante doit être utilisée dans un espace ventilé pour éviter des réactions mineures de type maux de tête, fatigue, sécheresse de la partie supérieure de l'appareil respiratoire. Un mouvement normal de l'air mixe l'ozone avec de l'air frais pour revenir à de l'oxygène.

- Déchets hasardeux — Le système électronique de l'imprimante contient une batterie en lithium. Il y a un danger d'explosion si la batterie n'est pas correctement remplacée. La batterie doit être remplacée par du personnel autorisé par le fournisseur et doit être remplacée par un type de batterie identique ou équivalent. Se débarrasser de cette batterie en lithium en accord avec la réglementation de gestion des déchets locale, régionale ou gouvernementale.

Italiano

- Luce Ultravioletta (UV) — Le lampade UV, emettono raggi ultravioletti ad alta intensita'. Bisogna operare il plotter con tutti i filtri di protezione installati, per proteggere l'operatore da eventuali esposizioni dannosi agli occhi e alla pelle. Se ci si attiene alle disposizioni e istruzioni d'uso del fabbricante, non sono necessary occhiali o ulteriori materiali aggiuntivi di protezione.

- Rischi parti meccaniche in movimento — Tenere le dita e le mani lontano dal movimento del supporto delle testine di stampa. Non eccedere il peso massimo consentito sui tavoli di supporto, come specificato sulle etichette.

- Inchiostri — Leggere attentamente le istruzioni e le raccomandazioni degli inchiostri contenute nella documentazione (Material Safety Data Sheet-MSDS) e metterlo in chiara esposizione all'interno dell' area di lavoro come prevede la normativa di legge. Evitare qualsiasi contatto con gli occhi e la pelle. Assicurarsi che l'ambiente di lavoro sia sufficentemente ventilato. Evitare di respirare le emissioni di vapori. L'uso di una maschera di protezione potrebbe essere necessaria in una situazione eccezionale con un eccessiva contaminazione dell'aria. Nessuna delle sostanze contenute negli inchiostri tiene emissioni standard come descritte da OSHA, NIOSH o ACGIH.

- Sistema elettrico — Anche se l'interruttore di accensione si trova nella posizione spenta (OFF) potrebbe comunque fornire tensione a componenti del plotter. Per staccare totalmente la tensione elettrica, scollegare completamente I cavi di alimentazione dalle relative prese.

- Ozono — La elevate intensita' ultravioletta delle lampade UV, reagisce con l'ossigeno e produce ozono. Questo processo tende ad essere piu' elevato nella fase di riscaldamento delle lampade. Il plotter deve operare in un area ben ventilata, per evitare leggeri disturbi, tipo mal di testa, affaticamento e irritazione delle vie respiratorie superiori.Con l'emissione di aria fresca, l'ozono reagisce e si ritrasforma in ossigeno.

- Residui pericolosi — All' interno del gruppo elettrico del plotter, si trova una batteria al litio il quale se non sostituita in maniera corretta puo' rischiare di esplodere. Per tale motivo, solamente personale tecnico specializzato deve eseguire tale operazione. Per lo smaltimento della batteria usata o danneggiata, verificare le modalita' locali, provinciali o nazionali in materia.

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