Pre-installation Guide

PlateWriter Infuse/XL

IMPORTANT!

Please keep this manual with other equipment documentation for future reference.

GLUNZ & JENSEN

March 14th, 2022
Edition AB, Part No 10105529
English (en-us) Original version

General information

About this manual

This manual applies to the **PlateWriter Infuse/XL** .

This manual is valid for serial nos:

PlateWriter Infuse/XL	10102450 - 0001, 10107200 - 0001
	10103500 - 0001

The PlateWriter Infuse/XL is manufactured by:
Glunz & Jensen s.r.o.
Kosicka 50
080 01 Presov
Slovakia

Always read the Safety Instruction Manual part No 21741 before installing, servicing, or operating the equipment.

The manual is published by:
Glunz & Jensen A/S
Selandia Park 1
4100 Ringsted
Denmark
Phone: +45 57 68 81 81
E-mail: gjhq@glunz-jensen.com
Internet: www.glunz-jensen.com

Copyright © March, 2022 by Glunz & Jensen A/S

Reservations

- This manual was written and illustrated using the best possible information available at the time of publication.
- Any differences between this manual and the PlateWriter Infuse/XL reflect improvements introduced after the publication of the manual.
- Changes, technical inaccuracies and typographic errors will be corrected in subsequent editions.
- As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

Notes, Cautions and Warnings!

Notes, cautions, and warnings in this manual are used and categorized as described below:

Symbol	Meaning	Explanation
	NOTE	The operator should observe and/or act according to the information in order to obtain the best possible function of the PlateWriter Infuse/XL.
	CAUTION	The operator must observe and/or act according to the information in order to avoid any mechanical or electrical damage to the PlateWriter Infuse/XL.
	WARNING	The operator must observe and/or act according to the information in order to avoid any personal injury.

Other manuals

Please refer to the **PlateWriter Infuse/XL** product page on www.glunz-jensen.com for a complete list of manuals available for the equipment.

The PlateWriter Infuse/XL

Approvals

- Approvals will appear from the labels attached to the name plate or the frame part of the PlateWriter Infuse/XL.

Unintended use of the PlateWriter Infuse/XL

Glunz & Jensen A/S does not take any responsibility for any damage or accidents caused by unintended use of the PlateWriter Infuse/XL:

Intended use of the PlateWriter Infuse/XL

Development of photographic materials as specified in “Technical specifications” in Part 1 in this manual.

- Never install the PlateWriter Infuse/XL in explosive environments.

- It is the responsibility of the owner and operator(s) of the PlateWriter Infuse/XL that the installation is made in accordance with local regulations, and by engineers authorized to carry out plumbing and electrical installations.
- The manufacturer cannot be held responsible for any damage caused by incorrect installation of the PlateWriter Infuse/XL.

Technical data

- Observe technical data from the PlateWriter Infuse/XL name plate and from the "Technical Specifications" on page 1 in this manual.

Chemicals

It is the responsibility of the owner of the PlateWriter Infuse/XL that data is available concerning possible health risk from the chemicals used with the PlateWriter Infuse/XL.

"End of lifetime" disposal

The PlateWriter Infuse/XL is designed for easy disassembling. All disposal of parts from the PlateWriter Infuse/XL must be made according to local regulations with special regards to following parts:

- For recycling purposes significant components are marked with material specification according to the ISO 11469 standard.
- PVC, tank etc., must be sent to a waste deposit with recycling in view. Alternatively the PVC can be incinerated at a suitable incinerating plant.
- PCBs and other electric parts must be sent to a suitable waste deposit.

Service assistance

If help is needed to correct any problem with the PlateWriter Infuse/XL, please contact your local supplier.

When the crate arrives

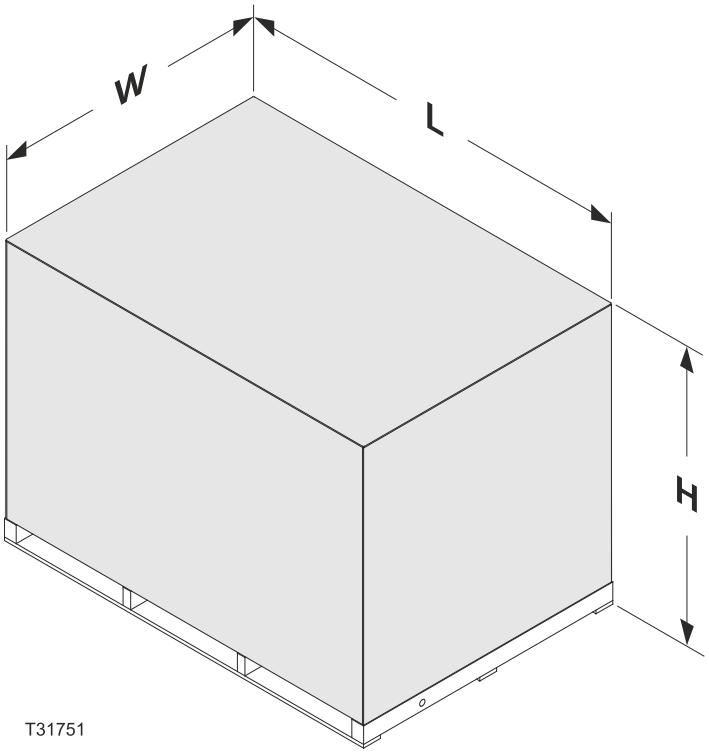
Storing the crates

The crates containing the PlateWriter system will usually arrive some time before the arrival of the Service Technician. In such a case you should prepare an appropriate place indoors to store the crates.

Crate dimensions and weights

Below are the dimensions and weights of the crates included with the delivery:

	L x W x H	Weight
PlateWriter system	2140 x 1420 x 1500 mm (84.3 x 55.9 x 59.1")	343 kg
PlateWriter XL system	2140 x 1485 x 1550 mm (84.3 x 58.5 x 61.0")	390 kg



Checking for damage

When receiving the crates do the following:

- Check if the crates are damaged at the time of delivery.
- Report any damage to the crate(s) to the transport company.
- Take notes of the damage before you unpack the crates. Provide a detailed description and/or take a photograph of the damage.

Transporting the crates

Handling the crates

The icons on the crates indicate how to handle them during transport and storage:

Lifting the crates

To lift the crates, at least a fork-lift truck or two persons and a hand-powered pallet mover are required.

Available doorway width for transport

If the width of the door(s) through which the crates have to be transported to the installation site are too narrow, you will have to unpack the crates and transportall parts to the installation site separately.

NOTE: Two or more persons are required for this operation.

Site requirements

General requirements

Environmental requirements

Provide a heating and ventilating system capable of maintaining room temperature between 20 and 24°C (68 and 75°F) and relative humidity between 40 and 80%.

For heat emission see “Power consumption” on the page 11.

Cleaning facilities

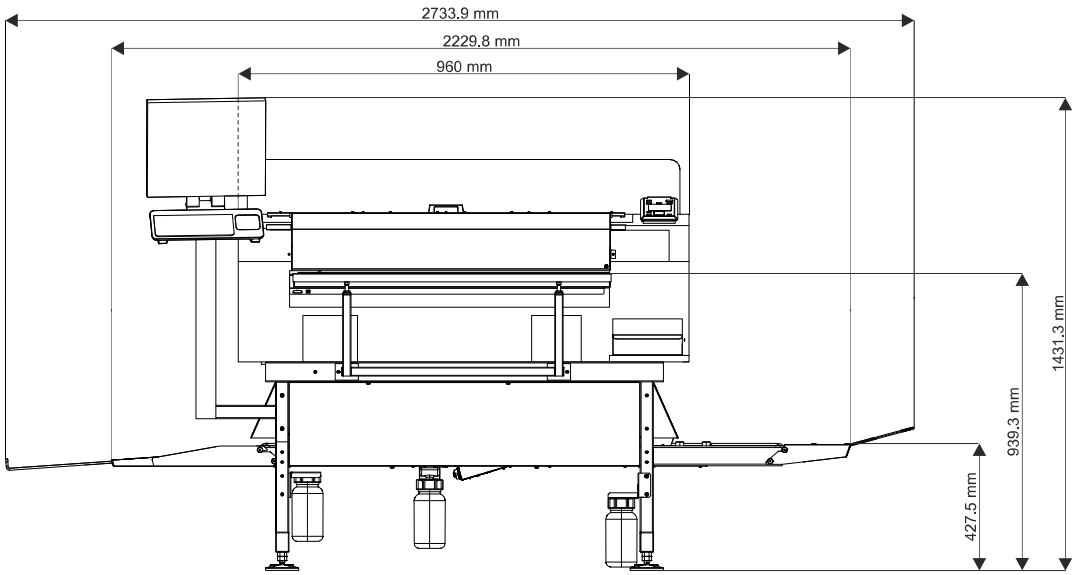
We recommend that you have easy access to a sink and a water tap with hot water for cleaning purposes.

The minimum recommended size of the sink is 90 x 40 cm (35.4 x 15.8").

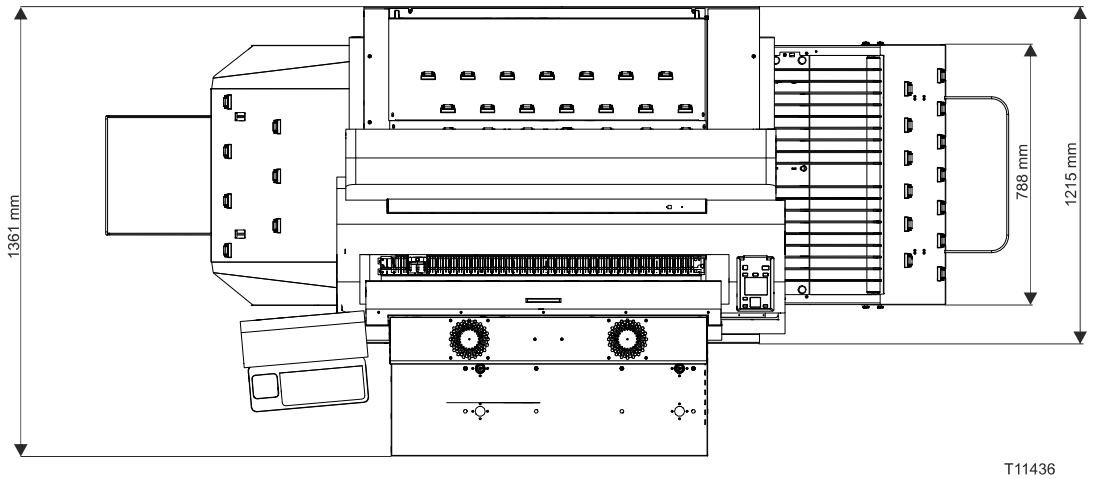
Space requirements

PlateWriter dimensions

Side view



Top view



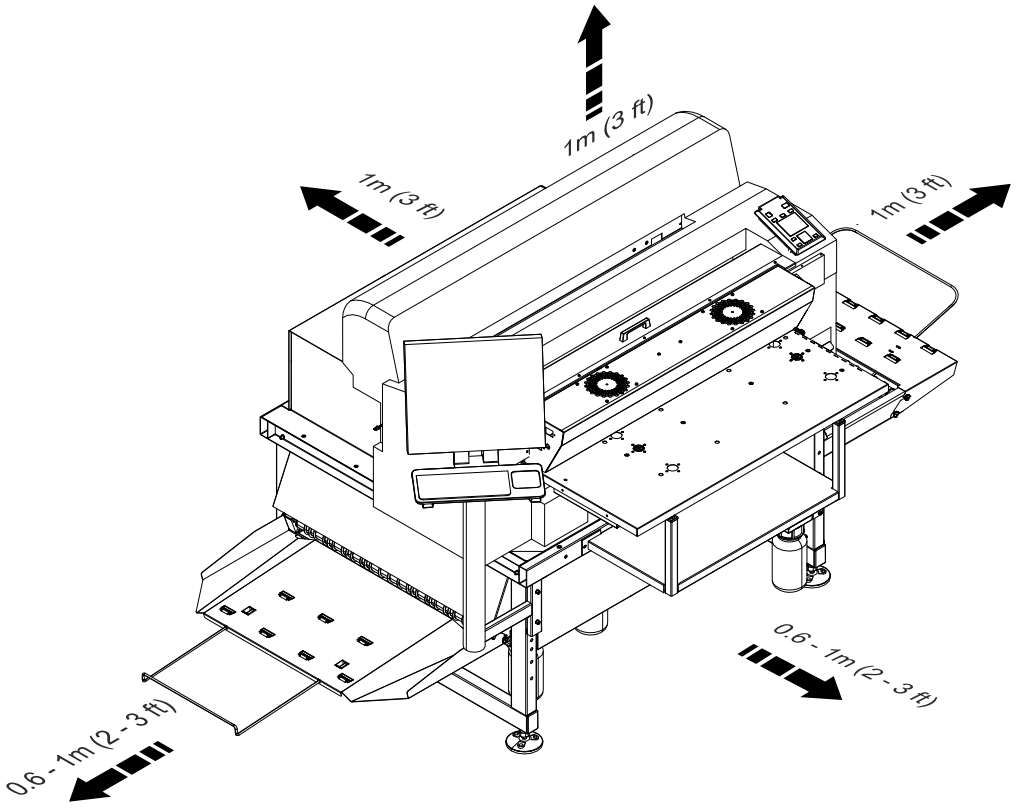
Free space around the PlateWriter

Decide where to place the unit and make sure that the free space around it makes operation and servicing possible.

Be aware of the following:

- **Liquid Dot** cartridges need to be replaced on each side of the unit.
- Access to cables is required on the right side of the unit.
- Plates are loaded onto the input table from the rear right of the unit.
- After imaging, the plate is placed onto the finishing unit' s transport belts from the lower front of the unit.
- After finishing, the plate is removed from the finishing unit's exit tray at the lower back of the unit.

The recommended minimum free space around the machine is specified in the illustration below:



RIP workstation

Location

The RIP workstation is placed in the bracket under the input table from the imaging unit and need to be connected using the enclosed USB-cable.

Network connection

If the RIP workstation is going to be connected to a local network (LAN) make sure to provide a network connection nearby.

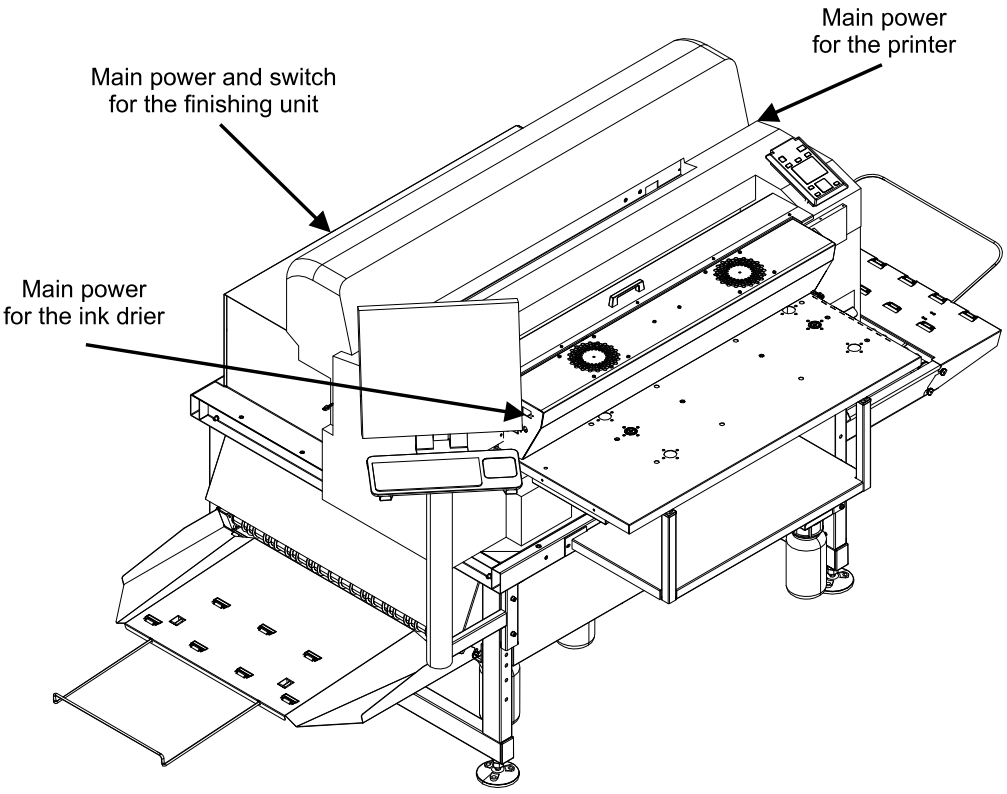
Power supply

NOTE: Electrical installation must conform to local rules and regulations.

Main power connection

The PlateWriter system requires three main power connections, one for the PlateWriter itself, one for the finishing unit, and one for the RIP workstation.

The PlateWriter main power inlet is located at the right side of the equipment and finishing unit main power inlet is located at the rear side under the equipment (see illustration below).



WARNING: This equipment is for installation in restricted access areas only and not suitable for use in locations where children are likely to be present.

Warning labels (yellow labels)

In addition to the general safety precautions mentioned in the Safety Instruction Manual, please also observe and act according to the warning labels mounted on the equipment itself:

Label	Description	Label	Description
	High Voltage		Risk of hand injury (gear drives)
	Risk of hand injury		Risk of hand injury (rollers)
	Risk of foot injury		Risk of injury from rotating parts
	Risk of burns from very hot surface		Risk of crushing due to e.g. heavy equipment
			Maximum load (e.g. lift)

Power outlet requirements

If not already present, main power outlets should be installed in the room where the unit will be situated. Max. distance to the machine 2m (6ft.).

WARNING: The units are Class 1 appliances and must be connected to earthed mains socket outlets.

WARNING: These units require a short circuit protection device in the building installation as specified below.

CAUTION: The requirements below are specifications for preparing the installationprotection. It is important to prepare the fuses/circuit breakers with adequate capacity as specified here.

NOTE: Specification on the unit's name plate is the actual input current and will thus not be identical to below mentioned.

	Unit	Supply/fuse
EUR	Printer unit	Single Phase, 1W+N+PE, 230V, 50 - 60 Hz Fuse: Max. 16A, type D01, gL/gG, interrupting capacity 50kA
	Finishing unit	Single Phase, 1W+N+PE, 230V, 50 - 60 Hz Fuse: Max. 16A, type D01, gL/gG, interrupting capacity 50kA
	RIP workstation	Single Phase, 1W+N+PE, 230V, 50 - 60 Hz Fuse: Max. 16A, type D01, gL/gG, interrupting capacity 50kA
USA	Printer unit	Single Phase, 1W + N + PE, 115V, 50 - 60 Hz Fuse: Max. 20A, class G or CC branch circuit, interrupting capacity 100kA
	Finishing unit	Single Phase, 2W + PE, 230V, 50 - 60 Hz Fuse: Max. 20A, class G or CC branch circuit, interrupting capacity 100kA
	RIP workstation	Single Phase, 1W + N + PE, 115V, 50 - 60 Hz Fuse: Max. 20A, class G or CC branch circuit, interrupting capacity 100kA
All	Voltage tolerance ± 10%	

Power consumption

	Mode	Imaging unit	Finisher and ink dryer
EUR/USA	Stand by:	approx. 175 BTU/hour	approx. 170 BTU/hour
	Operation:	approx. 175 BTU/hour	approx. 7100 BTU/hour

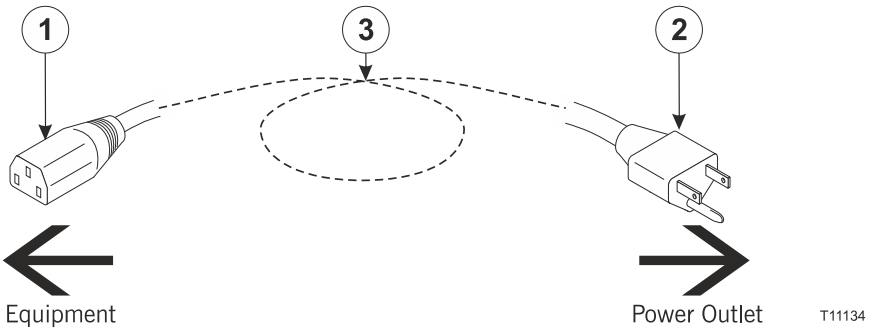
Power cables

NOTE: The equipment is delivered with the power cables required for the installation (USA only, outside USA these must be ordered separately).

If, for some reason, you decide to use cables others than those supplied, make sure that they conform to the directions given below.

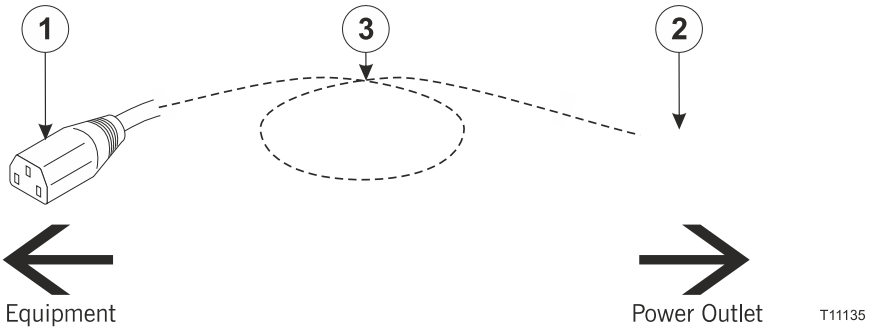
CAUTION: If you are replacing a plug, be aware that the yellow/green conductor may only be connected to a terminal marked ⏚ or ⏚.

Printer + RIP workstation (USA)



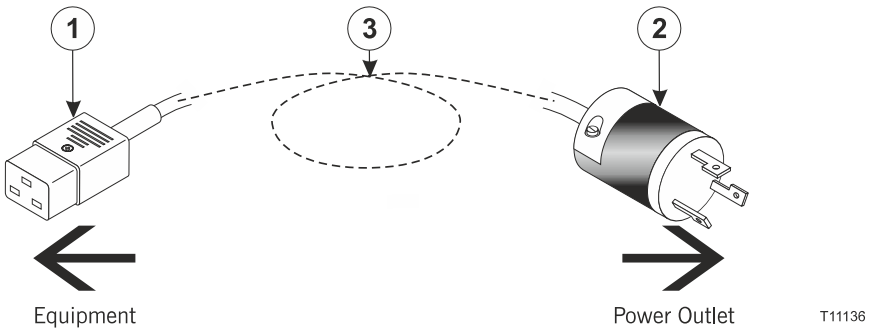
1. Appliance coupler (IEC 60320)
2. Plug type NEMA 5-15P
3. Cable min.3x14AWG, type SJT or harder service

Printer + RIP workstation (Rest of world, upon order only)



1. Appliance coupler (IEC 60320)
2. Plug type may vary
3. Cable min.3x14AWG, type SJT or harder service

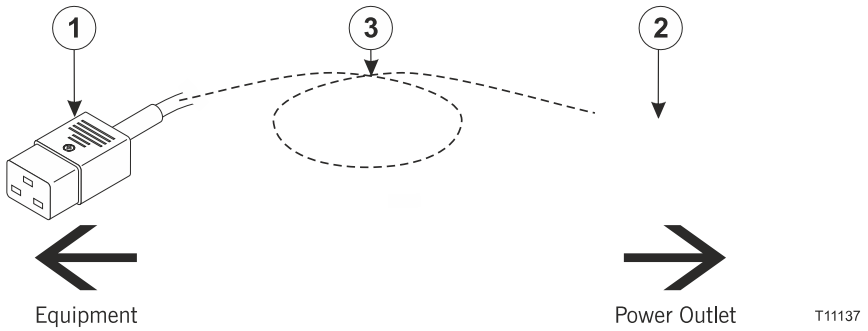
Finishing unit (USA)



1. Appliance coupler 16A (IEC 60320)

2. Plug type NEMA L6-15P, 230V AC, 15A
3. Cable min.3x14AWG, type SJT or harder service

Finishing unit (Rest of world)



NOTE: A connector plug only included with the maintenance kit when the country of installation is specified upon order.

29759, Cable, maintenance kit, Europe

29760, Cable, maintenance kit, UK

29761, Cable, maintenance kit, Denmark

29762, Cable, maintenance kit, Italy

29763, Cable, maintenance kit, Switzerland

NOTE: When deciding what type of cable to use, take into account the mechanical resistance (operator may step onto cable).

The conductors in the power supply cable should be of copper.

Provide for additional cable protection, e.g., cable covers, if cable is exposed to heavier transport such as fork-lift trucks etc.

Pre-installation checklist

Please ask the customer to answer the following questions in order to ensure a trouble-free installation of the processor:

1. Delivery of the crate and transport to the installation site	YES	NO
- A. Is there a place indoors where the crates box can be stored temporarily?	☐	☐
- B. Is there a hand-powered pallet mover, a fork-lift truck or any other lifting device available?	☐	☐
- C. Can the crates be transported directly to the installation site? See minimum width specifications on page ?	☐	☐
- D. Are there other factors (stairs, elevators, obstacles, etc.) which should be taken into account when transporting the crate or processor?	☐	☐

If so, explain:.....

.....

.....

- E. Are there any known problems in the building where the PlateWriter will be installed?	☐	☐

If so, explain:.....

.....

.....

2. Power supply & network	YES	NO
- A. Make a note of the present supply specifications:		

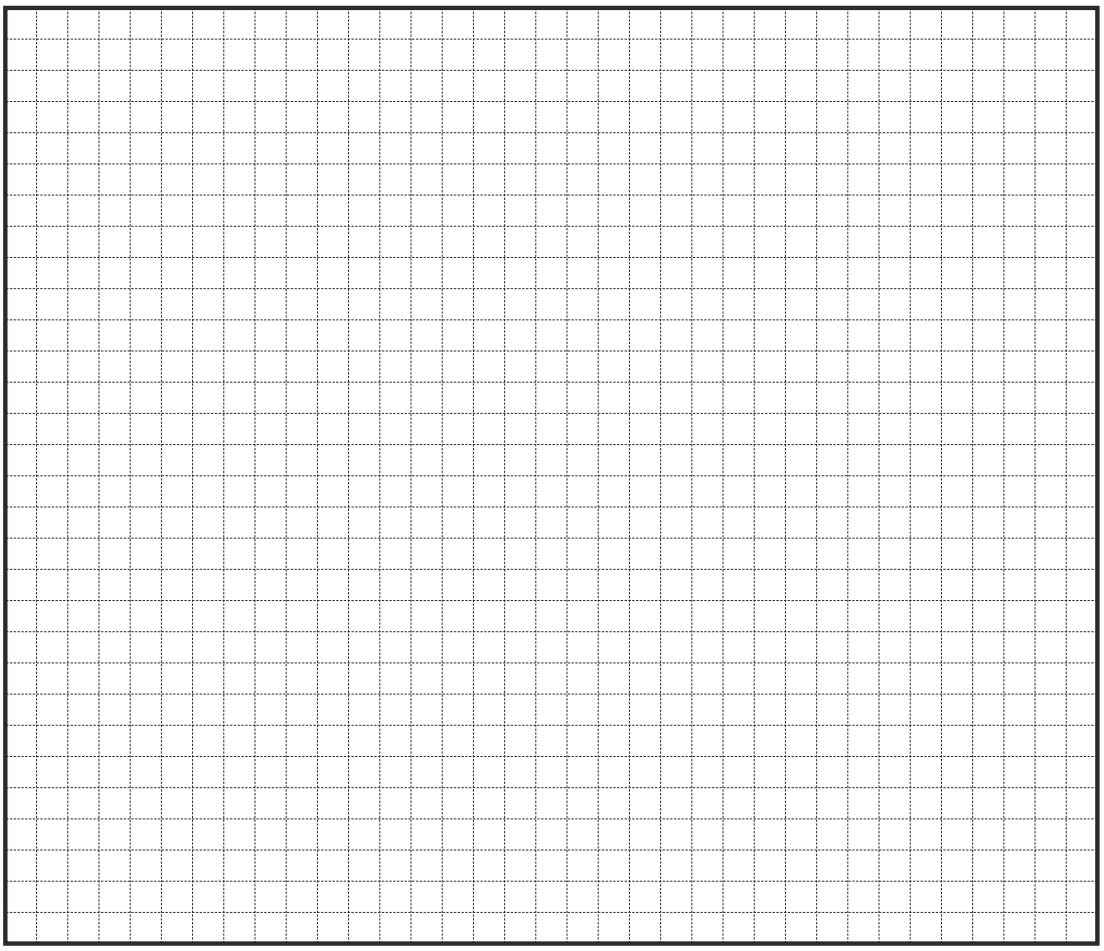
No. of phases ..... Voltage ..... V Fused by ..... Amps

Neutral wire? ..... Earth wire? .....Frequency ..... Hz

- B. Is there a house electrician available?	☐	☐
- C. Is there a network connection nearby?	☐	☐

3. Ventilation and ink storage	YES	NO
- A. Is air condition/ventilation system capable of maintaining room temperature between 20 and 24°C (68 and 75°F) and relative humidity between 40 and 80%?	☐	☐
- B. Is capacity of air condition/ventilation adequate with regard to BTU as specified on page ?	☐	☐
- C. Is there a proper storage facility for ink cartridges?	☐	☐

4. Disposition of the various supplies and equipment on the installation site:



T31695