

Instruction manual ■ ■ ■



Cimjet 300®

Cimpak 300®

Safety instructions



Printer overview



User Interface overview



Start / Stop the printer



Select a job



Menu structure



Printhead maintenance



Consumables



Troubleshooting



markem·imaje

Safety instructions

Before using this printer, please read and fully comply with these instructions, the material safety data sheet (SDS) for consumables used, and safety labels affixed to the printer. Servicing must be performed only by qualified people who are appropriately trained.

■ Liability

Markem-Imaje shall not be liable for any damage or injury resulting from any failure to follow these safety instructions, as well as good manufacturing practices and safety standards that are generally applicable in the industry, when installing, using or servicing Markem-Imaje equipment.

Any user who modifies or repairs Markem-Imaje equipment, uses consumables, spare parts or accessories other than those supplied by Markem-Imaje, or fails to comply with Markem-Imaje specifications shall have sole responsibility for the consequences thereof.

Markem-Imaje shall not be liable for any malfunction or damage caused by any modification of the equipment or use of the equipment for any purposes other than those for which it is designed. The user shall be solely responsible to take any precautions required by any use to which the user puts the Markem-Imaje equipment.

Markem-Imaje consumables (inks, ribbons, cleaning products and other consumables), spare parts and accessories are designed for use with Markem-Imaje equipment. Use of consumables, spare parts or accessories, that are not produced or recommended by Markem-Imaje for use with the specific Markem-Imaje equipment may harm the equipment and cause performance failures

Because Markem-Imaje equipment is tested with Markem-Imaje consumables and spare parts for conformity with certain regulations and safety standards, use of non-Markem-Imaje consumables and



spare parts also may be inconsistent with testing conditions and affect compliance of the equipment with certain standards. The user shall bear all risks associated with use of unsuitable consumables and spare parts.

Markem-Imaje cannot guarantee the safety and / or suitability of non-Markem-Imaje print ribbon. The NTRL certification may be compromised if non Markem-Imaje ribbon is used. If non-Markem-Imaje ribbon is used, it is recommended that anti static properties be considered.

This equipment is certified in accordance with the requirements for CE marking.

■ Safety

Despite all the precautions taken by Markem-Imaje to guarantee the safety of its printers, a residual risk remains if certain recommendations for use are not followed.

- Never loosen the applicator's positioning screws, except during installation.
- Pay attention to moving parts, keep a safe distance from the machine
- Do not place fingers, hands or any other body part in the system's work zone during operation

For each use case of the system, it is recommended to wear adapted personal protective equipment (safety shoes, glasses, gloves...). Disconnect the system from its power source and call in qualified personnel in the following cases:

- The power cable or plug is damaged or worn.
- Liquid has been spilled on the system.
- The system has been exposed to rain or water.
- The printer is not functioning correctly although the user has followed the instructions
- The printer has fallen or its housing is damaged.
- The printer is not functioning correctly and requires servicing



Safety instructions

CimPak300 / Cimjet314P must be installed with a compliant machine guarding system preventing penetration of any part of the body in the direct environment of the applicator.

An appropriate safeguard must be designed and installed in accordance with and compliant to ISO14120 standard. According to the kind of safeguard designed, additional standards may be applicable such as ISO14119 when the risk assessment performed indicates it is necessary to include the need for interlocking as part of the safeguard. In addition, local norms and regulations may still be applicable depending of the country of installation; these local standards must also be adhered to.

■ Labels



Line Voltage

There is a danger of electrical shocks during checks and repair. Remove the power cord from the electrical outlet before performing all checks and repair.



Hazard Warning

Hazard Warning Safety labels are placed in strategic positions around the machine to highlight potential hazards to the operator.



Earth

Earth labels are placed in strategic positions around the machine to highlight the machines earthing point.



Use only 115V connections where you find this safety label.



Use only 230V connections where you find this safety label



Do not touch





WARNING

HAZARDOUS MOVING PARTS. KEEP FINGERS AND OTHER BODY PARTS AWAY

■ Steps to take in the event of an accident

Shut off the printer immediately in the event of an emergency.

In the event of an accident, consult your health department or your attending physician.

■ Health / Hygiene / Environment



Solvent-resistant gloves and safety goggles are recommended during cleaning operations.

Please read the Isopropanol Safety Data Information prior to using Isopropanol with any Markem-Imaje product.

Operating environment of:

0°C to 40°C (32°F to 104°F)

■ Handling

Loading labels can present a risk if the machine is mounted high up as the label reels are heavy. It may be necessary to provide a platform on which to stand allowing label reels to be loaded safely, without risk of personal injury.

It is possible for the machine to become unstable when being moved. The machine must be lowered to its lowest possible position before moving and care must taken to prevent personal injury. When lowering the machine, ensure no fewer than 2 people undertake the work and that the machine is fully supported at all times

Printer weight:

Cimjet 300 Dispenser - 30 kg.

Cimpak 300 - 302kg.



Safety instructions

Regarding the system weight, handling tasks must be performed by more than one operator.

■ Installation

First time Installations will normally be carried out by qualified Markem-Imaje service technicians. For experienced customers who have existing Cimjet or Cimpak units and wish to carry out installation themselves, please first check with Markem-Imaje to ensure that this is advisable.

The system must be bolted on the floor.

■ Installation Requirements

Ensure that the required services and control signals are available:

Power: 115 / 230V single phase power supply rated at 300VA continuous (750VA maximum at switch on).

Compressed air: a dry, clean, non-lubricated air supply at 6 Bar.

Trigger signals depending on the application.

Sufficient space for installation and operation.

■ Use

The printer is designed for thermal transfer printing. Any other use of the printer is prohibited, and any consequences shall be under the entire responsibility of the user.

The system must be monitored by an operator during operation.

■ Servicing

DISCONNECT the printer from the mains before any operations requiring components to be removed or exchanged.

Use appropriate tools for any work on the electrical and pneumatic circuits. DO NOT operate the machine with any covers removed. All covers must be in place using the appropriate number of fasteners. It is essential that electrical and non-electrical connector dust covers (provided with the



machine) are fitted to all unused connectors to protect against dust and dirt and possible static damage to internal components.

DISCONNECT the air supply before undertaking work on the printer. Do not adjust the regulator pressure above 6 Bar under any circumstances. Doing so could make the Cimjet-Cimpak unsafe.

There is a non-replaceable lithium battery mounted on the control board assembly. Under no circumstances should this be replaced (it should last for several years). In the event of failure, please return the whole control board assembly to Markem-Imaje for repair.

■ Recycling



Disposal of used batteries and rechargeable batteries (applicable in European Union countries and other European countries with selective waste collection systems).



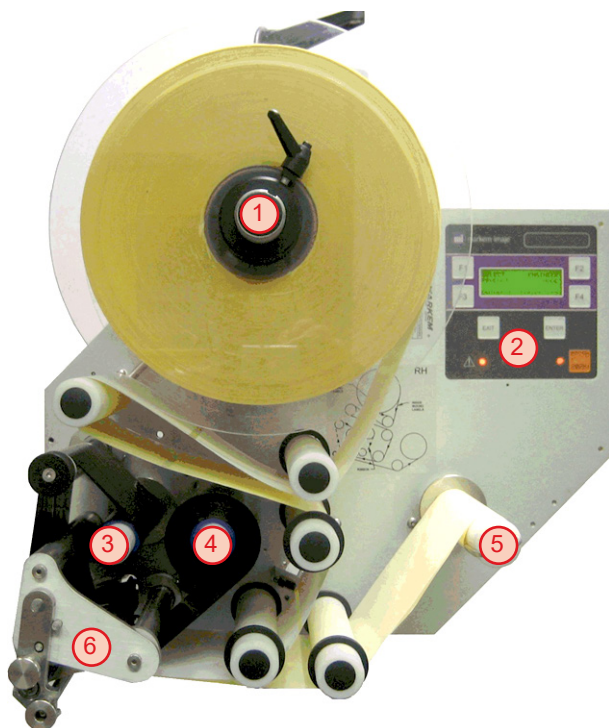
Disposal of used electrical and electronic equipment (applicable in European Union countries and other European countries with selective waste collection systems).

These symbols indicate that the electrical and electronic device, and the batteries and rechargeable batteries therein, must not be disposed of at the end of its life as ordinary municipal solid waste. By ensuring that these items are disposed of appropriately, you play an active role in avoiding the harmful consequences that incorrect disposal could have on the environment and human health. The recycling of materials contributes to the preservation of natural resources.

By entrusting your end-of-life electrical devices to a duly authorized disposal company, you ensure that all the items therein will be handled correctly. In all other cases and in order to safely remove batteries, rechargeable batteries and other materials, see the user manual or contact your Markem-Imaje representative.



Cimjet 300 Dispenser overview

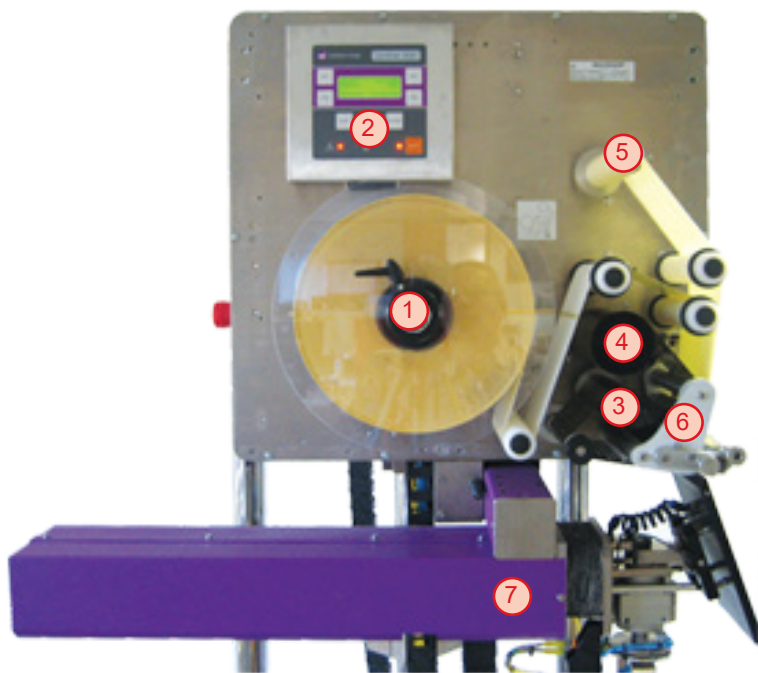


Cimjet 300 Dispenser

- 1** Label Supply Reel
- 2** User Interface
- 3** Ink Ribbon Waste Take Up Reel
- 4** Ink Ribbon Supply Reel
- 5** Label backing Waste Take up reel
- 6** Print Module



Cimpak 300 overview

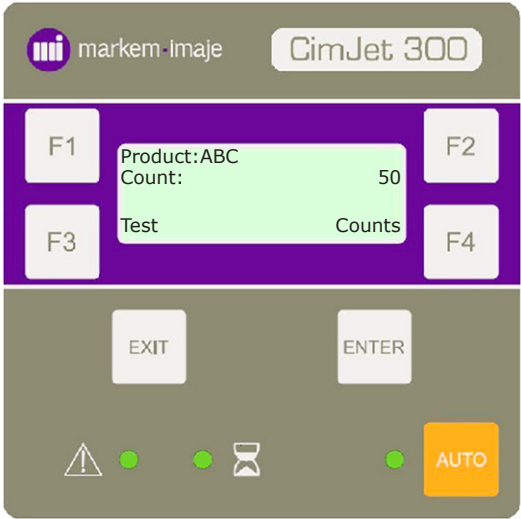


Cimpak 300

- 1** Label Supply Reel
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- 5** Label backing Waste Take up reel
- 6** Print Module
- 7** Applicator



Interface overview



Button Name	Function	Usage and Labels
F1	Select the top left screen option	Select the option or increment the value displayed on the screen
F2	Select the top right screen option	Select the option or increment the value displayed on the screen
F3	Select the bottom left screen option	Select the option or decrement the value displayed on the screen
F4	Select the bottom right screen option	Select the option or decrement the value displayed on the screen
Exit	Exit back to the previous screen	Exit back to the previous screen without applying any changes
Enter	Apply changes	Apply any changes to the screen value
Auto	Run Mode	Feed datum labels and activate Run Mode

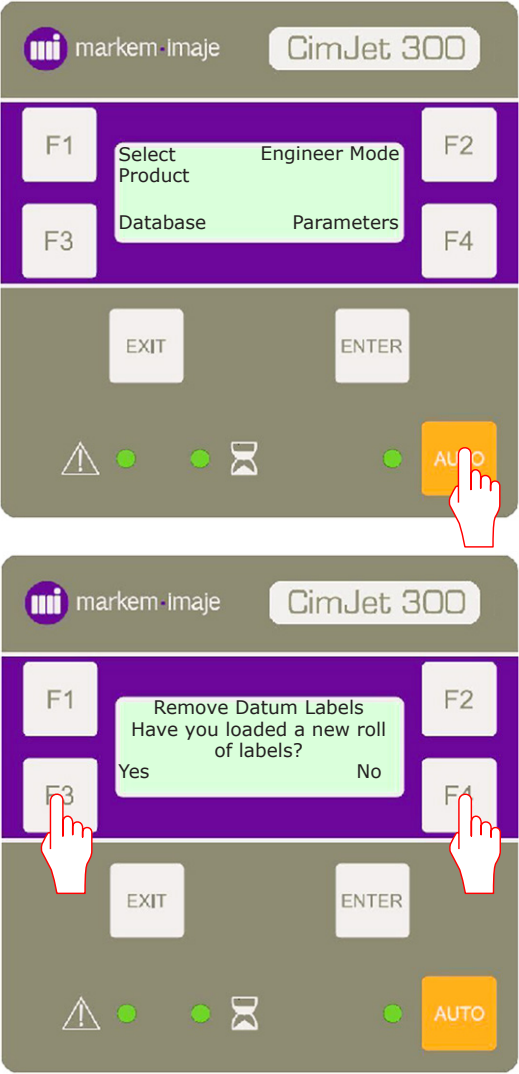


Description of icons

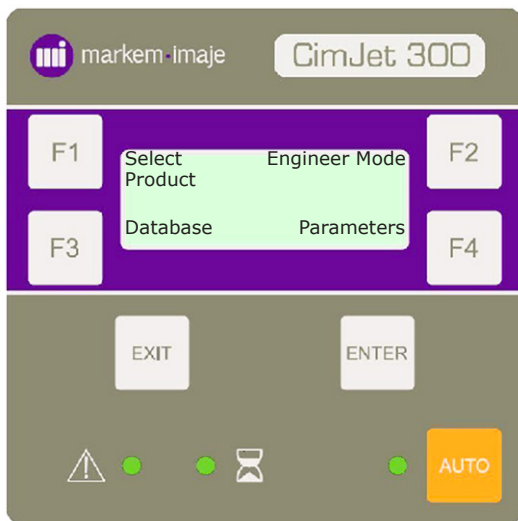
Icon	Function
	Ready or Fault. LED colour indicates the printer condition.
	Printer Status. LED on indicates that the machine is printing.
	Increment the screen alphanumeric value one position.
	Decrement the screen alphanumeric value one position.
	Move the screen cursor right one position.
	Move the screen cursor left one position.



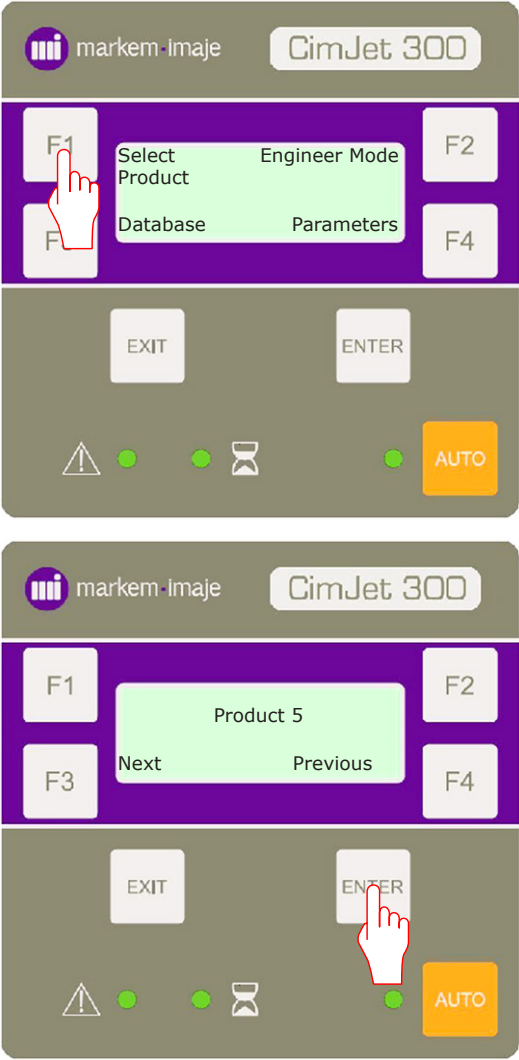
Start the printer



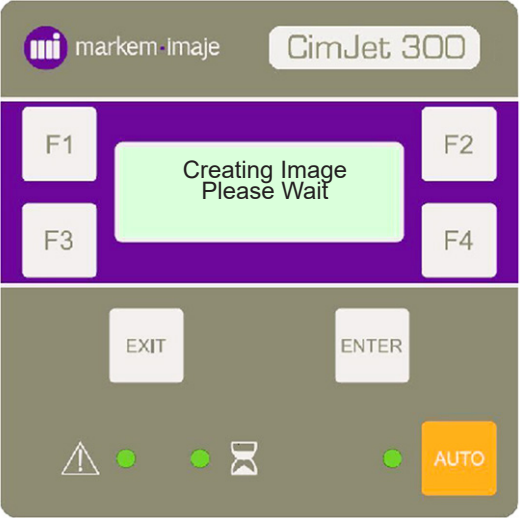
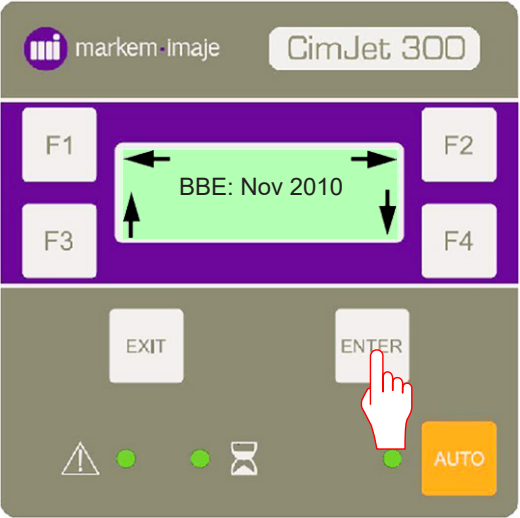
Stop the printer



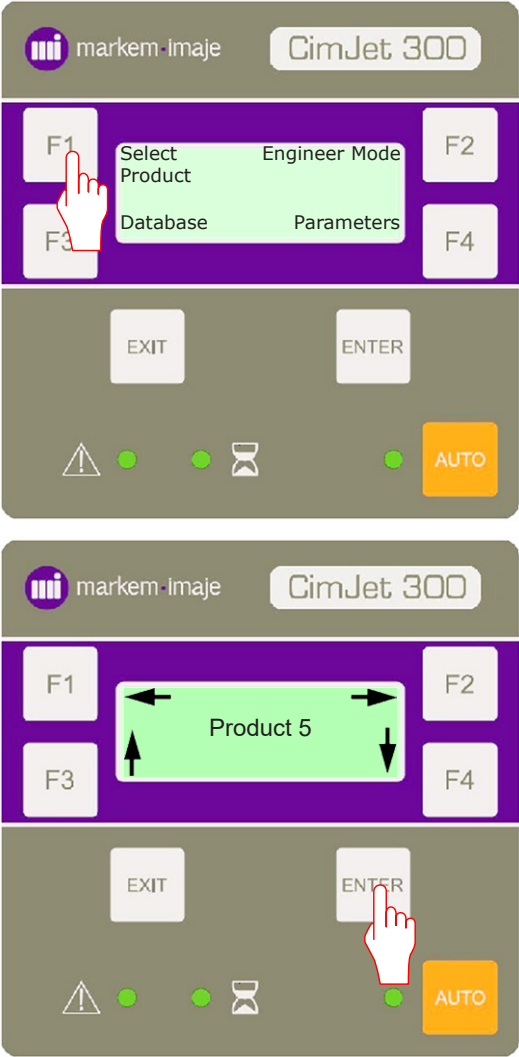
Select a Job - Local Database



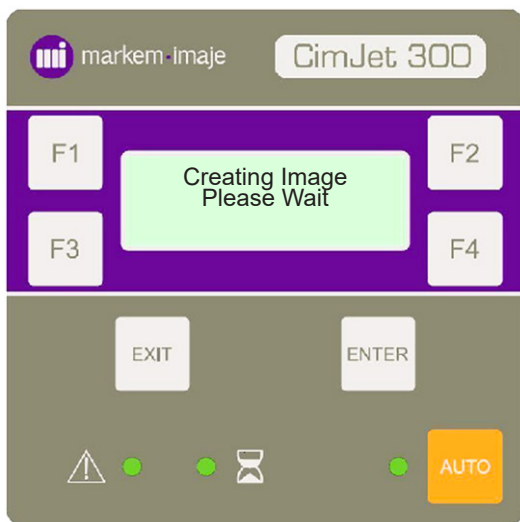
Select a Job - Local Database



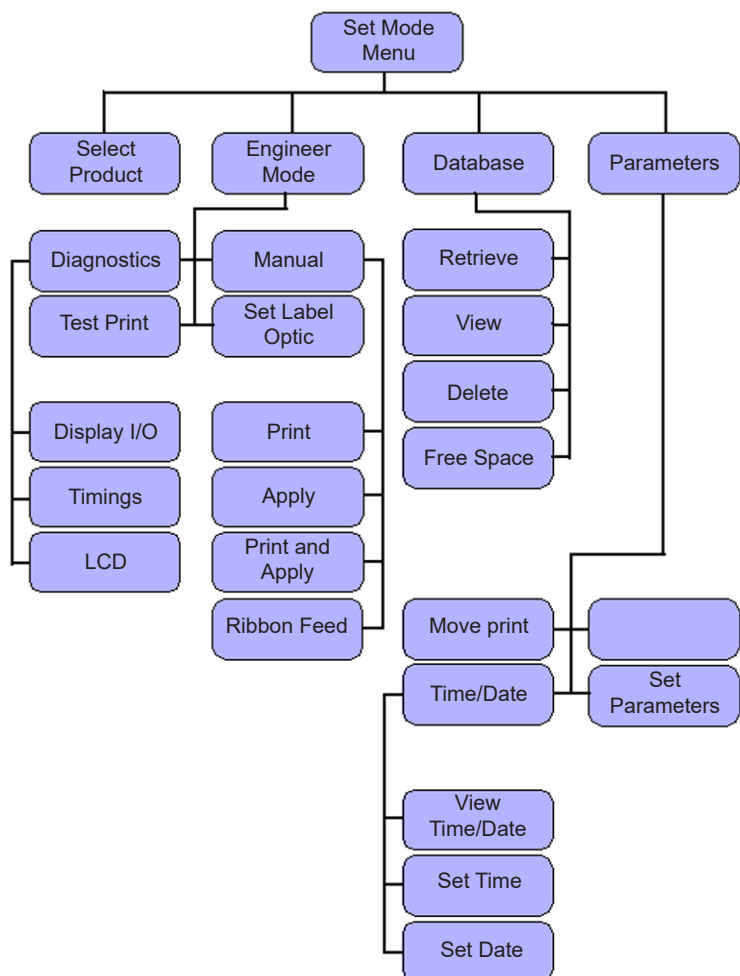
Select a Job - Remote Database

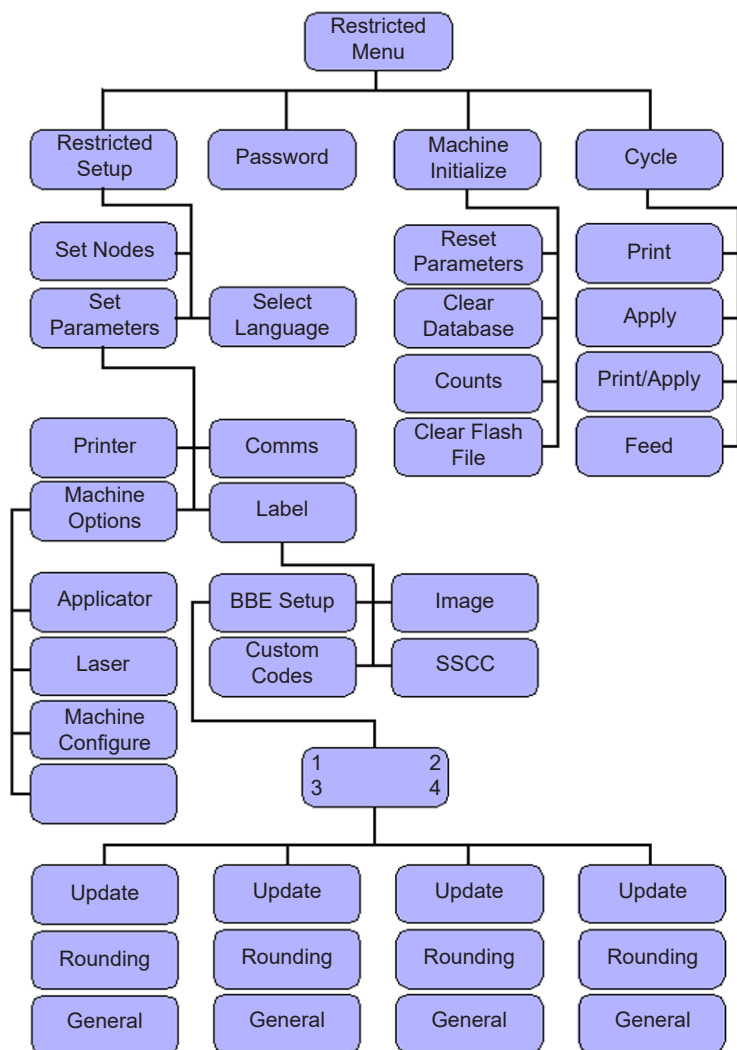


Select a Job - Remote Database

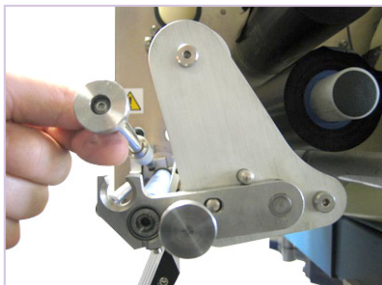


Menu structure

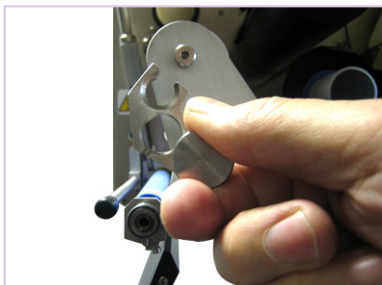




Printhead maintenance



1. Open the Nip Roller and remove the labels.



2. Raise the Printhead and remove the labels and ribbon.



3. Clean any ink residue from the printhead.



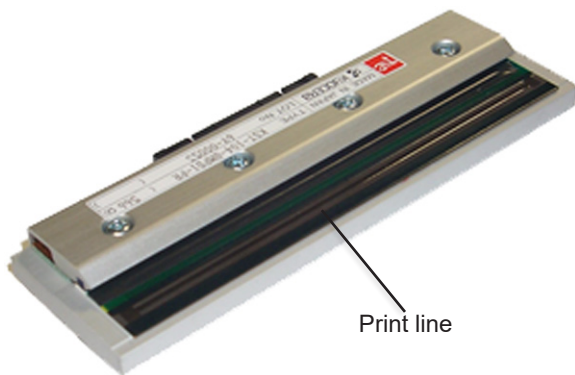
Printhead maintenance

The printhead should be cleaned at regular intervals. These depend on machine use, operating environment, and choice of thermal ribbon.

Turn off the power to the controller and remove the labels and ribbon.

Allow the printhead to cool to normal room temperature before proceeding in order to prevent the possibility of thermal shock damage.

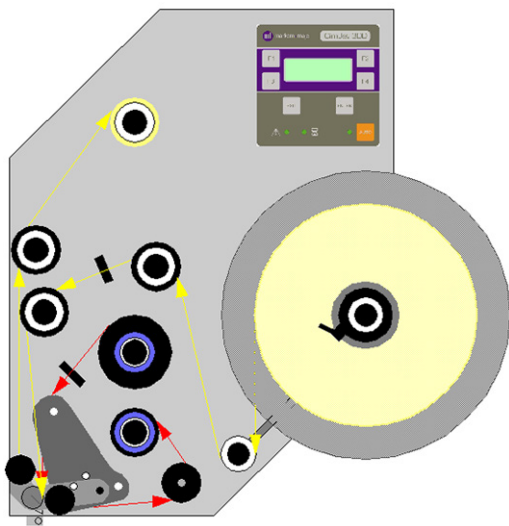
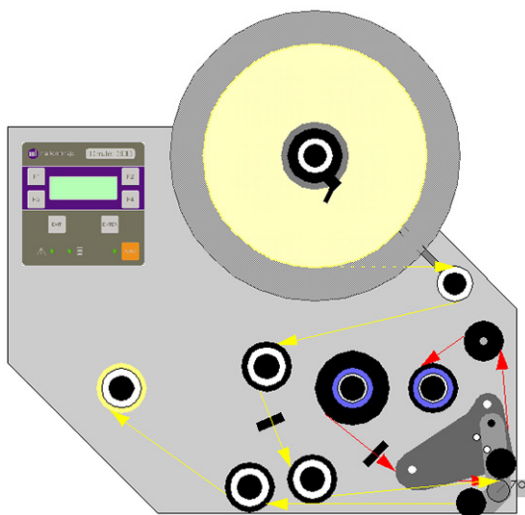
Use a cotton swab or a soft cloth soaked in Isopropanol solvent to remove any residue from the printhead. Take care not to use excessive amounts of solvent.

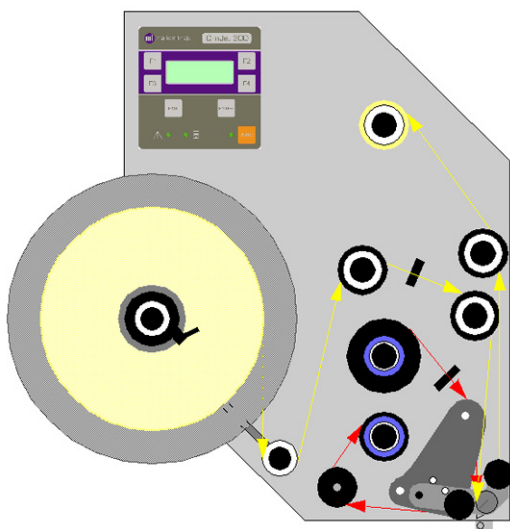
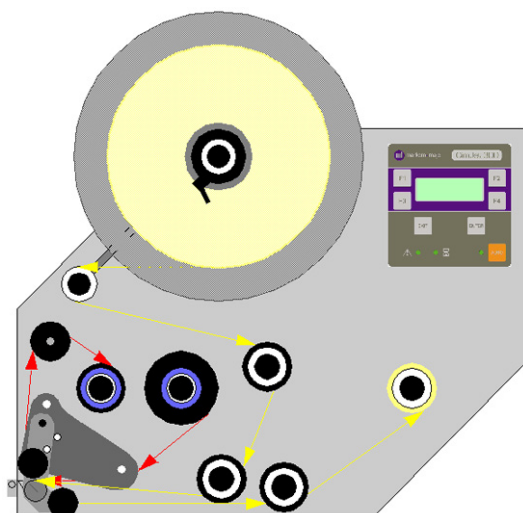


N.B. With Corner edge printheads, the print line is located on the bevelled edge of the printhead.

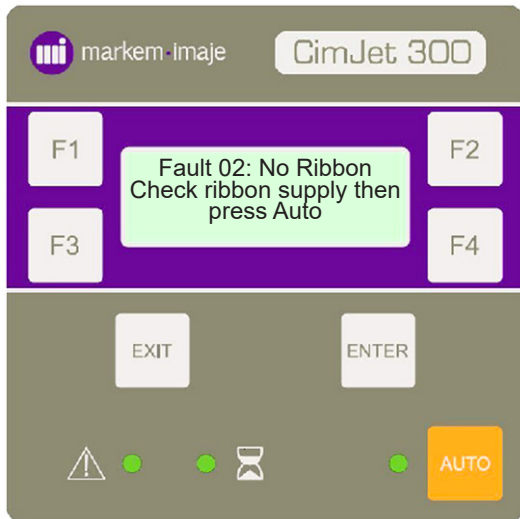


Label and Ribbon LH Web Paths





Control messages



Troubleshooting - Information

NO WEB

CHECK LABEL SENSOR THEN PRESS AUTO

NO RIBBON

CHECK RIBBON SUPPLY THEN PRESS AUTO

CASSETTE LOAD ERROR

NIP OPEN

CHECK HEAD AND NIP THEN PRESS AUTO AND FEED
RIBBON

S/N :Serial number : _____

Ribbon type: _____



For Marking & Coding Equipment.

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