

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

EC DECLARATION OF CONFORMITY *DECLARATION DE CONFORMITE EC*

Markem-Imaje Ltd.
Nottingham Science Park
University Boulevard
Nottingham NG72RF United Kingdom
ensures that the new equipment
referenced below:

Markem-Imaje Ltd.
Nottingham Science Park
University Boulevard
Nottingham NG72RF United Kingdom
garantit que l'équipement
référéncé ci-dessous :

**Cimjet - Cimpak
Thermal Transfer Printers**

Serial No:

N° de série :

is in accordance with the European directives
applicable to equipments that is to say:

- with the machinery directive 2006/42/CE
and the relevant European standards.
- with the electromagnetic compatibility
directive 2004/108/CE and the relevant
European standards.
- with the low voltage directive 2006/95/CE
and the relevant European standards.
- The above referenced equipment bears the
CE marking.

respecte les directives européennes
applicables aux équipements, à savoir :

- la directive sur les machines (2006/42/
CE) et les normes européennes
correspondantes,
- la directive sur la compatibilité
électromagnétique (2004/108/CE) et les
normes européennes correspondantes,
- la directive sur la basse tension (2006/95/
CE) et les normes européennes
correspondantes,
- L'équipement référéncé ci-dessus porte la
marque CE.

Nottingham, 30th November 2009

Nottingham 30 novembre 2009

Alan Beech

Senior Electrical Engineer



markem-imaje

A  Company

Markem-Imaje Ltd. Nottingham Science Park, University
Boulevard, Nottingham, NG72RF, United Kingdom.
tel +44 (0) 115 9430055 fax +44 (0) 115 9430153



Before using this printer, please read and fully comply with these instructions, the material safety data sheet (MSDS) 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.



Safety instructions

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.



■ 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:
32o F to 104o F (0o C to 40o C)

■ 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 be taken to prevent personal injury. When lowering the machine, ensure no less than 2 people undertake the work and that the machine is fully supported at all times

Printer weight:

Cimjet 300 Dispenser - 22 kg.

Cimpak 300 - 302kg.



Safety instructions

■ 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.

■ 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.

■ 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.

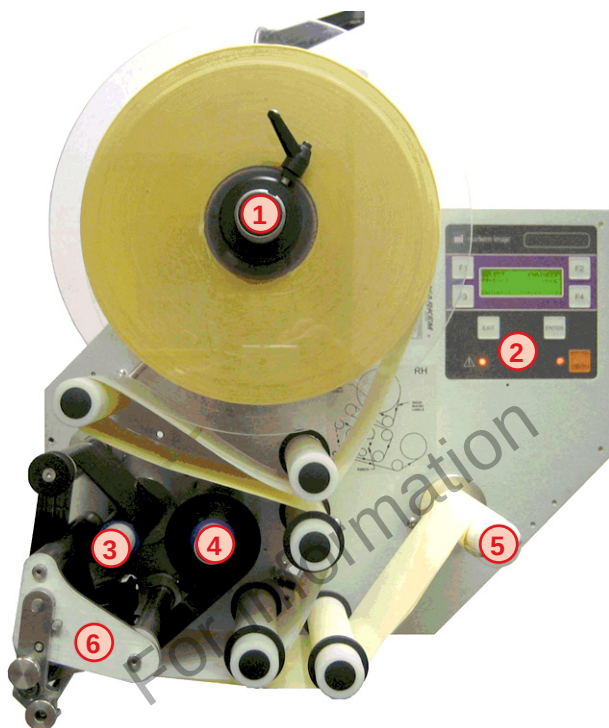
DISCONNECT the air supply before undertaking work on the printer.

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.



Cimjet 300 Dispenser overview

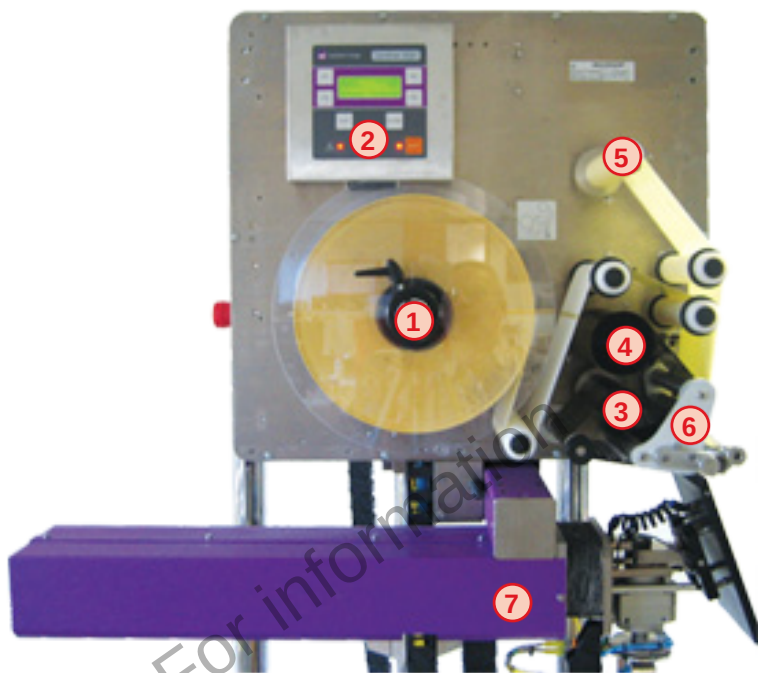


Cimjet 300 Dispenser

- 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

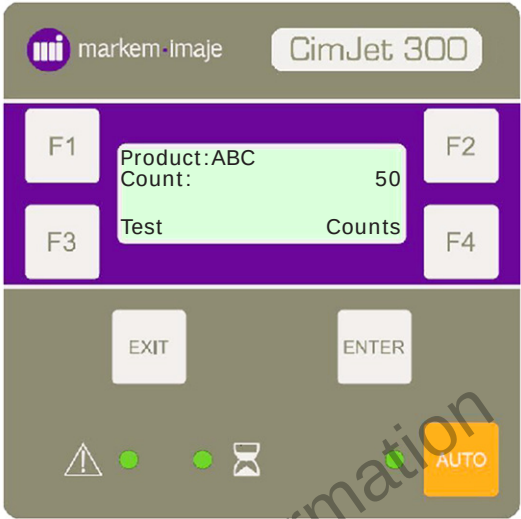


Cimpak 300

- | | |
|---|----------------------------------|
| 1 | Label Supply Reel |
| 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 |
| 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



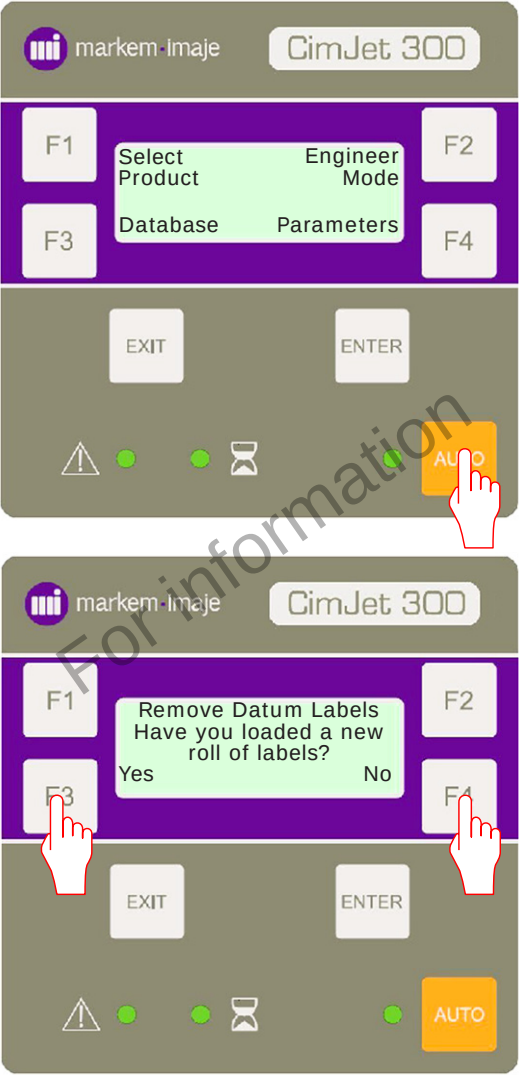
Description of icons

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.

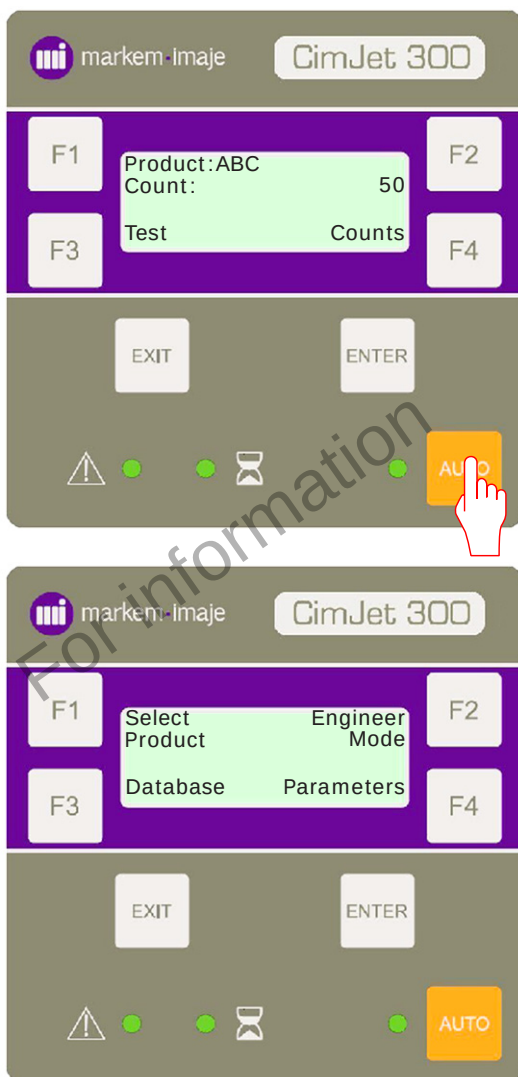
For information



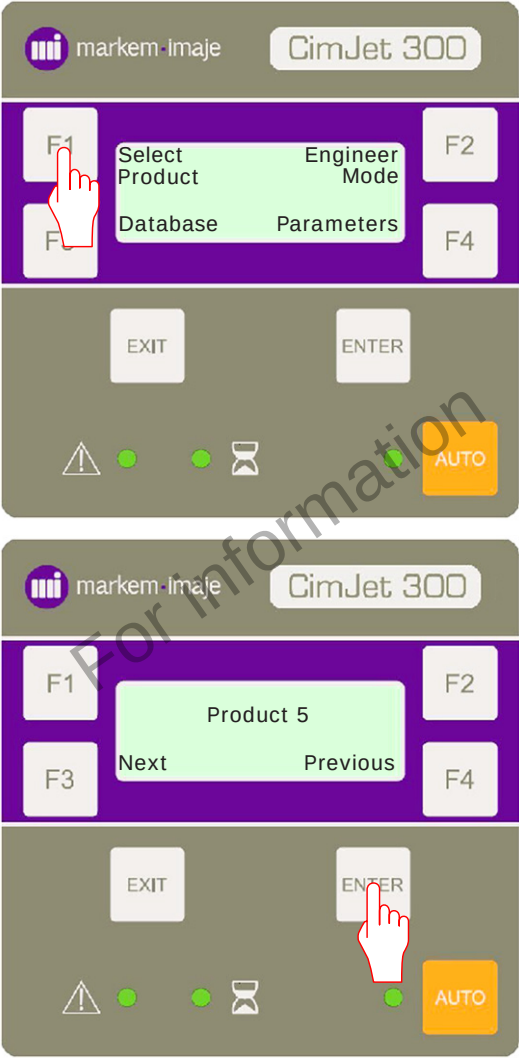
Start the printer



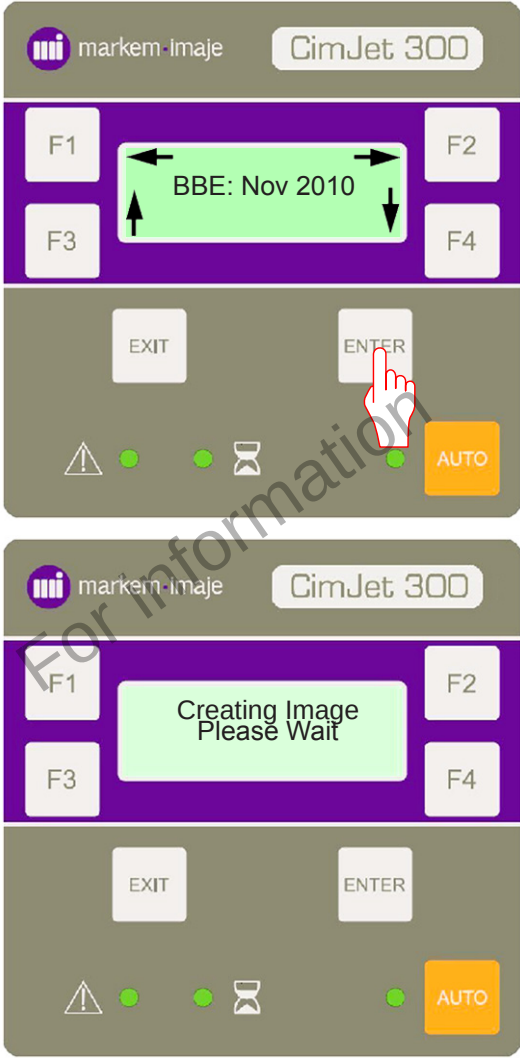
Stop the printer



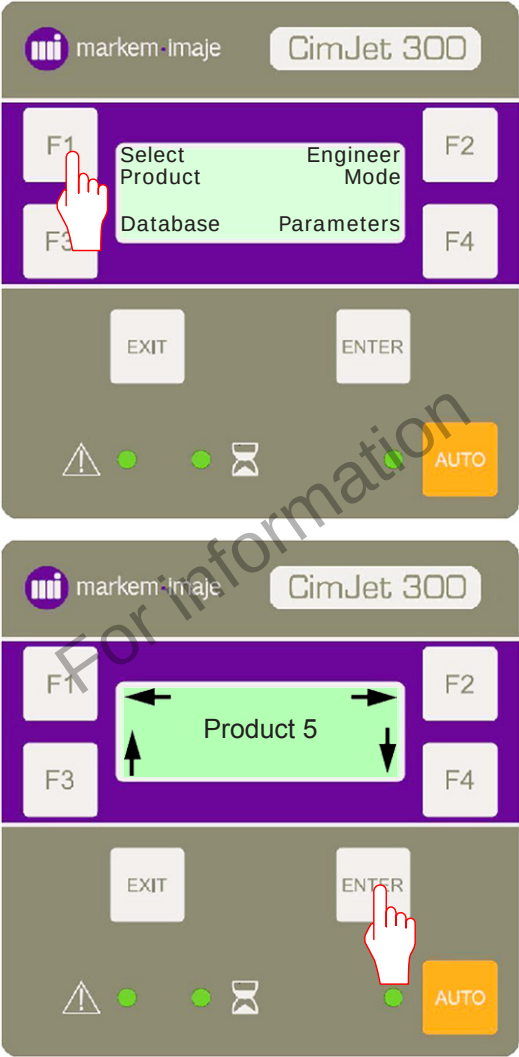
Select a Job - Local Database



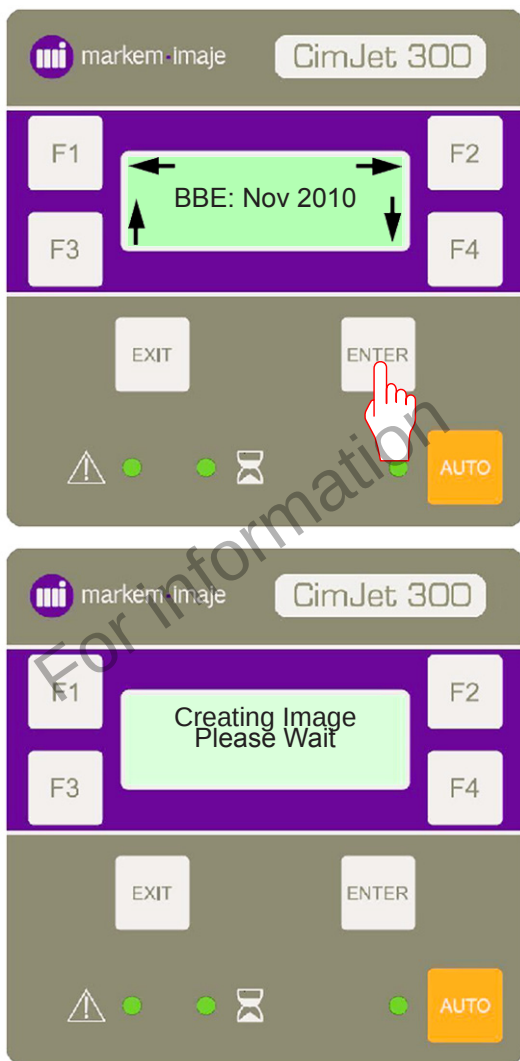
Select a Job - Local Database



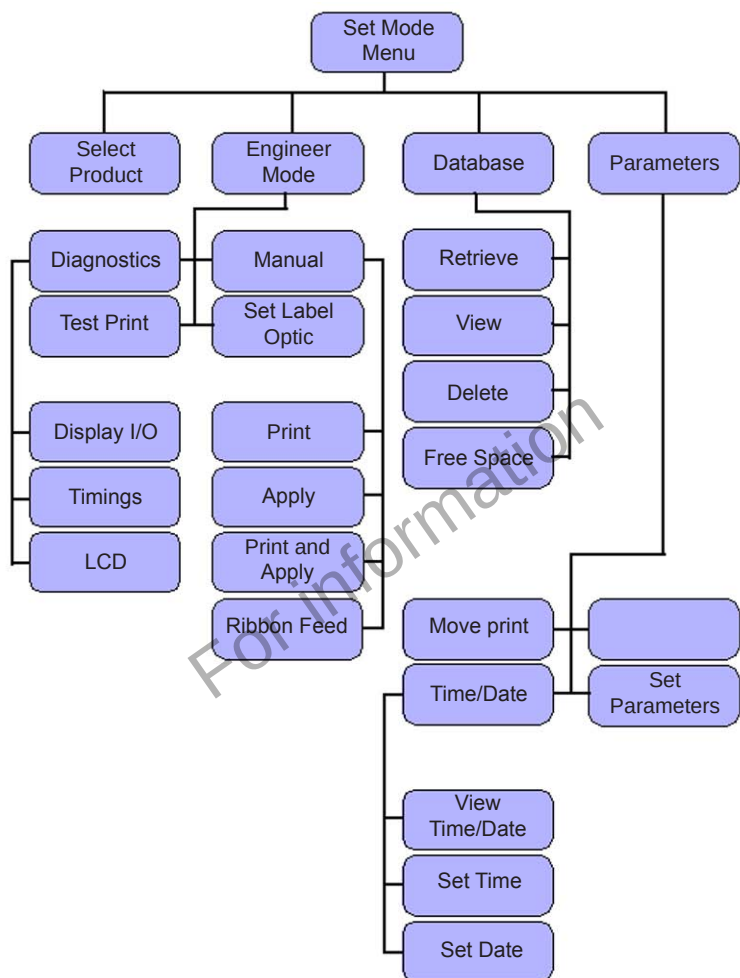
Select a Job - Remote Database

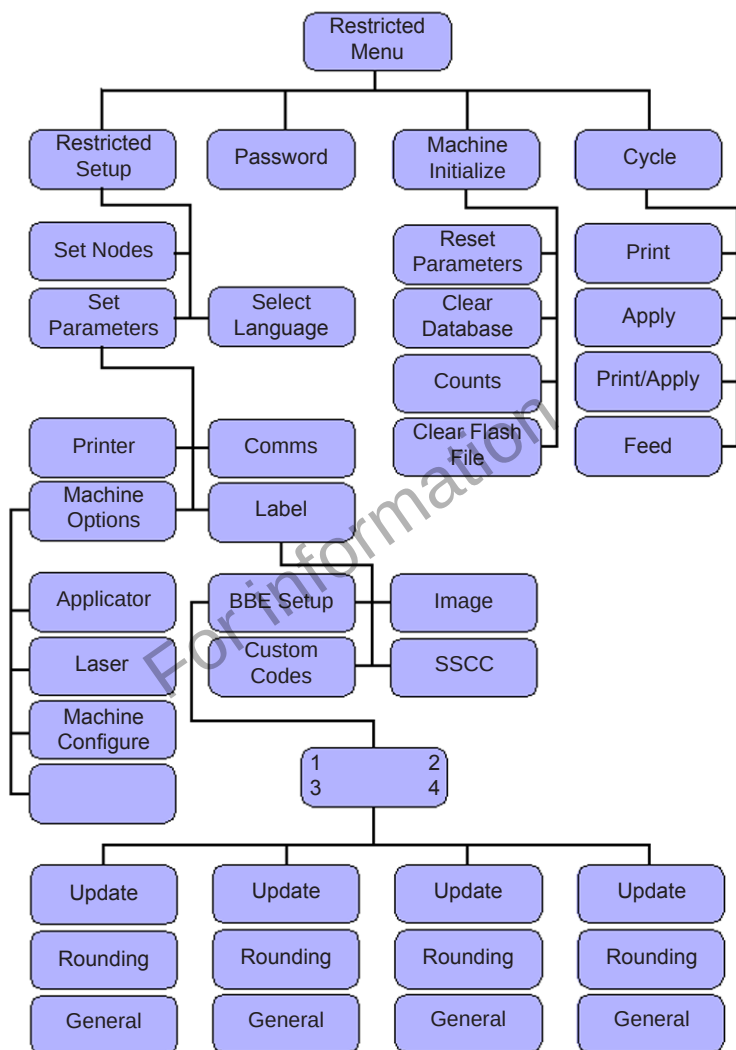


Select a Job - Remote Database

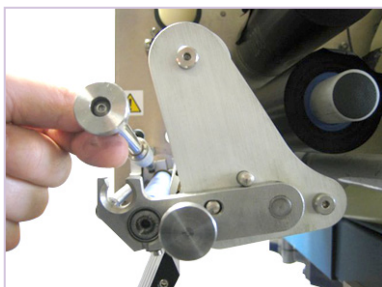


Menu structure

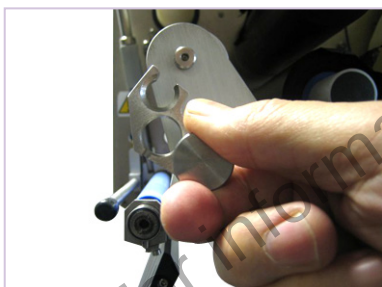




Printhead maintenance



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.



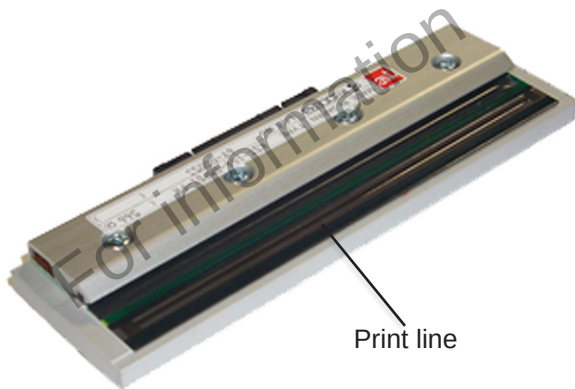
Printhead maintenance

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.

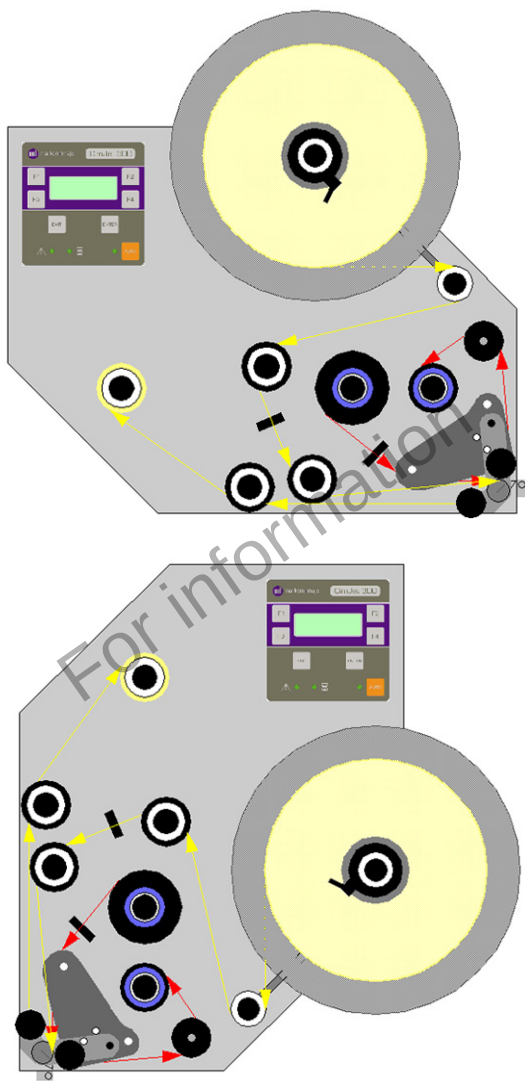
Use a cotton swab or a soft cloth soaked in Isopropanol solvent to remove any residue from the printhead. Take care not to use excessive amounts of solvent.

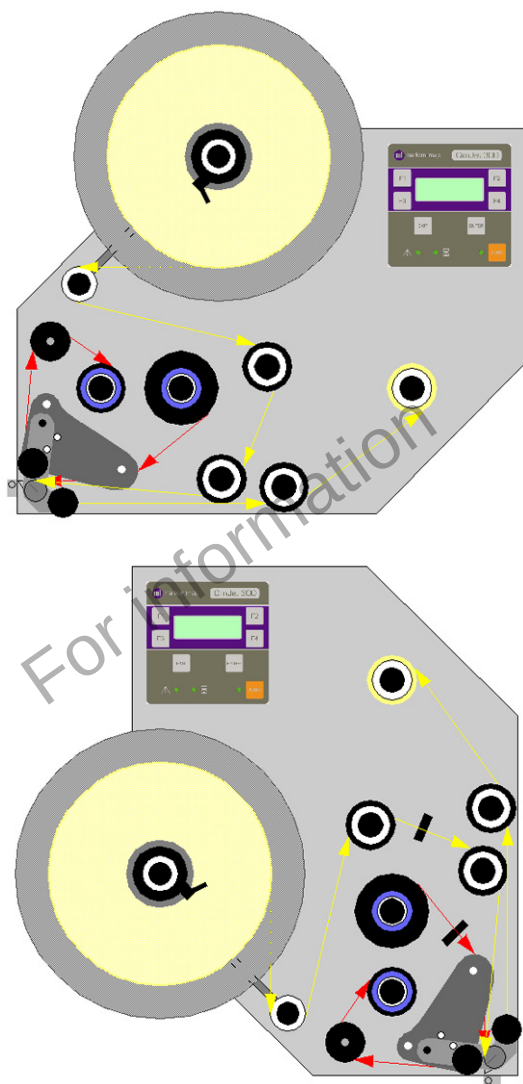


N.B. With Corner edge printheads, the print line is located on the bevelled edge of the printhead.



Label and Ribbon RH 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

A complete list of error messages can be found in the Troubleshooting section of the Maintenance manual PDF on the CD.

S/N :Serial number: _____

Ribbon type: _____



For Marking & Coding Equipment.

Photographs and drawings are not binding in detail. This document was originally written in English. The English text of this document shall alone be authentic and shall prevail in the event of a dispute. Markem-Imaje reserves the right to modify the specifications of its products without prior notice. Any reproduction, even partial, of this document is prohibited. Translation of the original manual: the original manual (in English) is available on the CD-ROM supplied with the printer.

© 2009 Markem-Imaje All Rights Reserved. English version



the team to trust ■ ■ ■

For information

User Documentation Department 09/2009



10052125

www.markem-ijae.com

Markem-Ijae Limited
Nottingham Science Park
University Boulevard
Nottingham NG7 2RF
tel +44 (0) 115 9430055
fax +44 (0) 115 9430153

en



markem·ijae

A **DOVER** Company