

Jaime 1000 S4SI Plus

USER GUIDE

A18420

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Edition Anglaise

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A 18420 Version E

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Thank you for buying an Jaime 1000 S4SI Plus.

PRELIMINARY INSTRUCTIONS

Read all these instructions

- FIRE

CAUTION:

Consult the Product Safety Data Sheet for the ink to determine whether your printer uses "Inflammable" ink and additives.

If this is the case:

- Place a foam, CO₂ or powder extinguisher close to the printer (maximum 10 metres).
- The printer must be kept in a well aired place away from sources of heat, flames or sparks.
- Never leave ink or cleaning solution cans or cloths soaked in ink near the printer.
- Never smoke near the printer. Display a notice with "NO SMOKING, INFLAMMABLE INK" close to the printer.
- Make sure to keep the printer very clean, as a dry ink deposit is highly inflammable.
- The ink, additive and cleaning solution cans must be closed and stored in a well aired room.

- ELECTRICAL CONNECTIONS:

- The connection to the single phase mains electricity network, which uses a standard 3-pin plug with earth, must be easily accessible.
- The earth connection must comply with applicable regulations.

- HEALTH:

- It is strictly forbidden to wear contact lenses when handling consumable products.
- It is recommended to wear safety gloves and goggles during filling and cleaning.

DISCONNECT THE PRINTER FROM THE MAINS POWER SUPPLY BEFORE ANY INTERVENTION.

IMAJE cannot be held responsible if these rules and basic safety rules for the use of this equipment are not followed.

ALL MODIFICATIONS WITHOUT WRITTEN AUTHORIZATION FROM IMAJE ARE PROHIBITED AND THEIR POSSIBLE CONSEQUENCES ARE THE RESPONSABILITY OF THE PERSON WHO PERFORMED THEM.

THE SAME APPLIES FOR ANY USE OF THE PRINTER WHICH DOES NOT COMPLY WITH THE PRINTER'S SPECIFICATIONS.

REVISION

About this manual

You can use the manual both as a learner's and as a reference guide.

Updating the "User guide" of S4SI Plus

- The revision index E corresponds to the first edition of this manual.
- The revision index changes with every modifications.
The modified pages are mentioned in the following table. This one indicates all updating since the first edition.

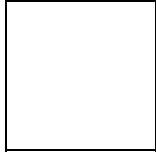
Date of the edition	Document revision index	Software index	Modified pages
11/1997	E	D7/A3	First edition

Instructions compiled by Mohmed MAZOUNI.

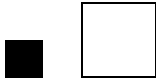
Proof readers: Jean-Luc LAVAL, Jean-Marc BOLJEVIC, Jean GALAN and Hervé AUFFINGER.



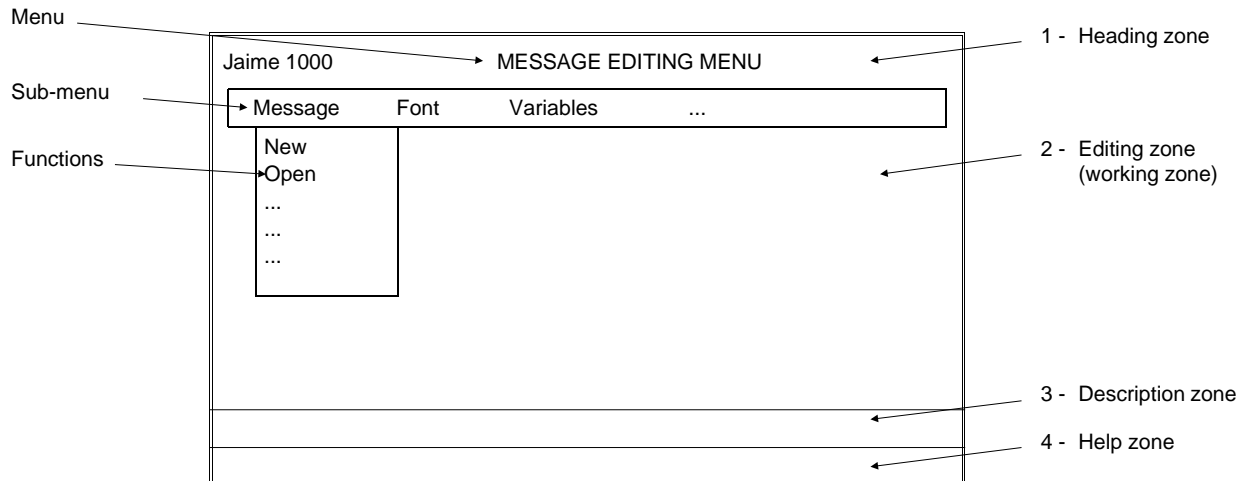
**DESCRIPTION OF THE S4SI PLUS
SCREEN (2 pages)**



Description of the S4SI Plus screen



Description of the S4SI Plus screen



1 Heading zone

This zone features the name of the menu screened as well as the number of the message you are working on.

2 Editing zone

At the top of this zone a menu bar displays all the possible sub-menus of the menu selected. This bar is permanent.

A function box appears under each sub-menu when the sub-menu is validated.

Choice and validation of a function are then possible and the box disappears from the screen to leave the maximum amount of room for the working zone.

NOTE There is no access to dotted sub-menus and functions.

3 Description zone

Describes the function selected. Specific operations can be mentioned between <<---->>.

4 Help zone

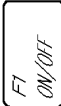
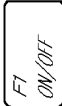
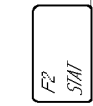



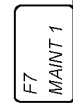
Describes the operations to be carried out.



WHAT DO YOU WANT TO DO ? (4 pages)

Contents

1	Stop or start-up the printer	2-2
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

WHAT DO YOU WANT TO DO ?	KEY	REMARKS																		
1 - Stop or start up the printer: - Start up - Stop	 then 	<ul style="list-style-type: none"> The jets start automatically once the ink is in service. The jets stop automatically before the printer comes to a complete halt. This "halt" is the normal stop at the end of production. 																		
2 - Screen a fault/alarm or printer status.		<ul style="list-style-type: none"> If the printer detects a fault/alarm (ALARM/FAULT LED alight), the fault heading is screened. This should then be remedied and validated with ACQUIT. 																		
3 - Choose a message		<p>CAUTION : This function can be selected only when the printer is on.</p> <ul style="list-style-type: none"> When the message list appears on the display, choose the message to print. 																		
4 - Initialise the counter																				
5 - Cease printing temporarily		<p>CAUTION : This key does not affect messages printed manually.</p>																		
6 - Work on the head:		<table border="0"> <tr> <td>Status jet(s)</td> <td>Status jet(s)</td> <td>Status jet(s)</td> <td>Status jet(s)</td> <td>Status jet(s)</td> <td>Status jet(s)</td> <td>Status jet(s)</td> <td>Status jet(s)</td> </tr> <tr> <td>- Stop the jet(s)</td> <td>- Start the jet(s)</td> <td>- Unblock the nozzle(s)</td> <td>- Introduce solvent into the cannon(s)</td> <td>- Stabilize the jet(s)</td> <td>JET SHUT DOWN</td> <td>JET START-UP</td> <td>NOZZLE UNBLOCKING</td> <td>SOLVENT INTRO</td> <td>STABILITY</td> </tr> </table> <ul style="list-style-type: none"> This function allows you to stop a jet temporarily without stopping the printer, in order to clean the print head, for example. For restarting the jet after adjustment or cleaning. To increase the efficiency of this function, close the recuperation gutter and spray the nozzle(s) with solvent. Halt the operation when ink starts to flow from the nozzle(s). Spray the nozzle with solvent for 20 seconds, keeping the gutter closed. This operation is required after unblocking the nozzle. Gutter open. Halt this operation when you observe the jet is stable in the gutter. "Stabilizing the jet" is obligatory after an "intro-solvent". 	Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)	- Stop the jet(s)	- Start the jet(s)	- Unblock the nozzle(s)	- Introduce solvent into the cannon(s)	- Stabilize the jet(s)	JET SHUT DOWN	JET START-UP	NOZZLE UNBLOCKING	SOLVENT INTRO	STABILITY
Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)	Status jet(s)													
- Stop the jet(s)	- Start the jet(s)	- Unblock the nozzle(s)	- Introduce solvent into the cannon(s)	- Stabilize the jet(s)	JET SHUT DOWN	JET START-UP	NOZZLE UNBLOCKING	SOLVENT INTRO	STABILITY											

- Homogenize the ink	Production	Status jet(s)	REFRESHMENT	• WARNING : printing is impossible during this phase.
- Adjust the jet in the gutter	Production	Status jet(s)	JET ADJUSTMENT	• Jet adjustment in the gutter must be carried out by a trained technician and following the instructions in the Adjustment Sheet.

WHAT DO YOU WANT TO DO ? MENU

REMARKS

7 - Compose a message	Message editing	Message		<ul style="list-style-type: none"> You can either create a completely new message or copy and/or modify an existing message.
- Create a new message	Message editing	Message	New	<ul style="list-style-type: none"> After giving a name to this new message choose the font, create the text, do the lay-out following the explanations on the display. <p>Remember that what you see on the screen is what you will get in print (WYSIWIG).</p>
- Modify an existing message	Message editing	Message	Open	<ul style="list-style-type: none"> Once you have selected your message, make the desired corrections.
- Delete a message	Message editing	Message	Delete	<ul style="list-style-type: none"> You will delete the selected message from the printer memory.
- Copy a message	Message editing	Message	Save as	<ul style="list-style-type: none"> You will backup the message under a new heading without destroying the original message.
- Backup a message	Message editing	Message	Save	<ul style="list-style-type: none"> IMPORTANT: after creating or modifying a message the printer will ask you to save it.
- Choose a script	Message editing	Font	Select font	<ul style="list-style-type: none"> A dialogue box offers a list of fonts available with their symbols.
		<i>WARNING:</i> <i>Font is only accessible after "New" or "Open"</i>		
- Enter a text	Message editing			<ul style="list-style-type: none"> After "opening" your message, enter the alphanumerical characters on the keyboard (in the font selected).
- Choose a symbol	Message editing	Font	Select symbols	<ul style="list-style-type: none"> You can screen a font symbol directly.
- Insert a variable (counter, auto-dater...)	Message editing	Variable		<ul style="list-style-type: none"> The content of a counter or auto-dater will appear in your message in the font of your choice.
		<i>WARNING:</i> <i>Variable is only accessible after "New" or "Open"</i>		

WHAT DO YOU WANT TO DO ?	MENU	REMARKS
8 - Define the printing parameters	Message editing	Message
Define the variable parameters (counter, postdate, etc.).	Message editing	Counter or Postdate, etc.
9 - Initialise the printer	Printer preparation	Initialiaztion
10 - Install password(s):	Printer preparation	Access codes
- For all functions	Printer preparation	Access codes
- On editing a message	Printer preparation	Access codes
11 - Check the printer operation	Production	Maintenance
- Inhibit hood/recuperation detection	Production	Maintenance
- Control the solenoid valves manually in power saving phase		ELV Status modif.
- Screen the phase and speed of the jet(s)		



**REGULAR PROCEDURES
(8 pages)**

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Clean the head	3-6
Check the consumables level	3-7
Be always efficient for start-up	3-8

Start the printer

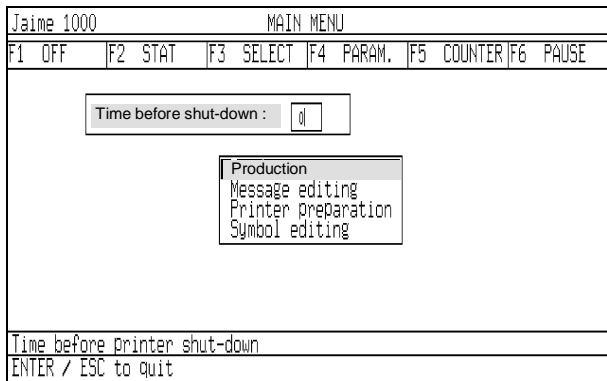
Jaime 1000		MAIN MENU			
F1 OFF	F2 STAT	F3 SELECT	F4 PARAM.	F5 COUNTER	F6 PAUSE
Machine set-up processing...					
Production					
Message editing					
Printer preparation					
Symbol editing					
ON					
Printer status / Message selection / Maintenance					
↑ ↓: selection and ENTER					

Press key **F1** in the **MAIN MENU**. The printer will enter the start up cycle then turn on the jet(s) automatically, and will be ready to print after about a minute.

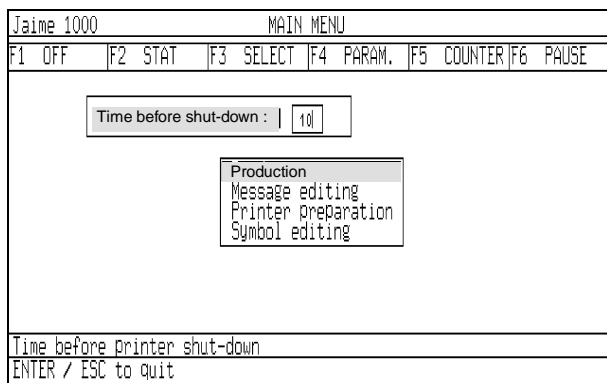
CAUTION

Comply with the procedures listed on the ink usage specification sheet if the ink requires the use of anti-clogging liquid or silicone bars.

Stop the printer



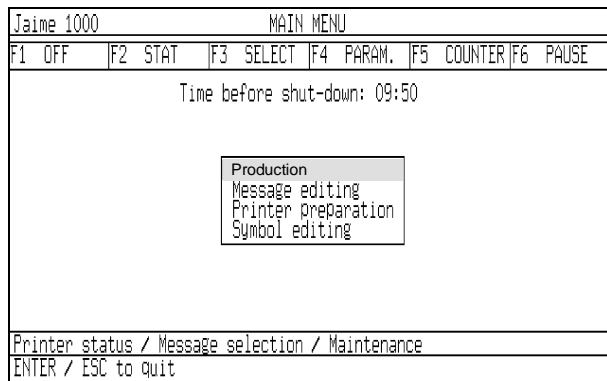
1 Press **F1** in the **MAIN MENU**.



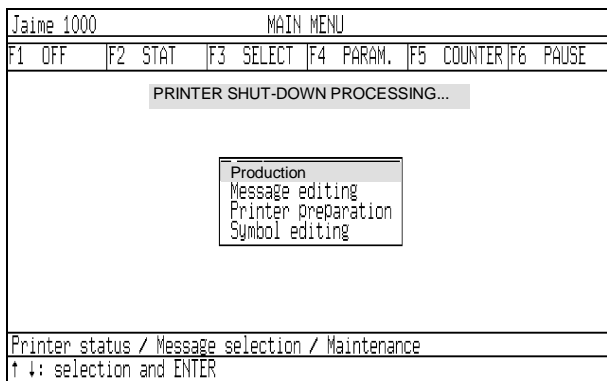
2 Enter the time in minutes (0 to 999).

Example: 10 minutes

For an immediate stop leave 0 mins.



3 Press the **ENTER** key to validate.



4 After a delay of 10 minutes (for example) the printer will enter the shut-down cycle, which lasts about 2 minutes. The printer is then shut down.

5 Wait until the printer comes to a complete halt. Fit the anti-clogging stopper if specified in the ink data sheet. **IMPORTANT: Do not clean the head. Do not disconnect the machine from the mains electricity network. Do not switch off the machine's electric power supply.**

Start / Stop the jet(s)

- 1** Enter the **Production** menu, then the **Printer**.

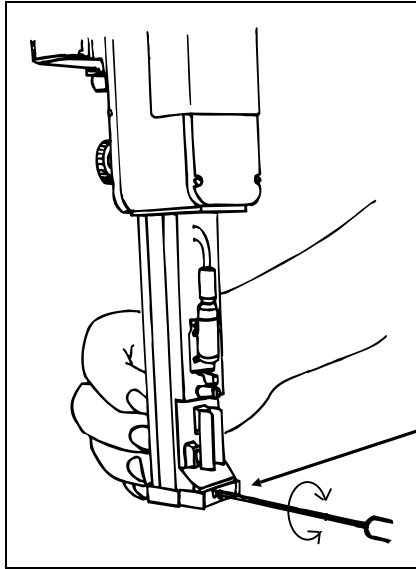
Jaime 1000	PRODUCTION MENU		
Printer	Message	Status/Printhead	Maintenance
Start-up			
Shut-down			
Jet(s) start-up			
Jet(s) stop			
Printer start-up with automatic or manual jet(s) start-up			
↑ ↓ ← →: selection and ENTER			

- 2** Choose jet **Shut-down or Start-up** and press the **ENTER** key to validate.

Jaime 1000	PRODUCTION MENU		
Printer	Message	Status/Printhead	Maintenance
Start-up			
Shut-down			
Jet(s) start-up			
Jet(s) stop			
Jet(s) stop			
↑ ↓ ← →: selection and ENTER			

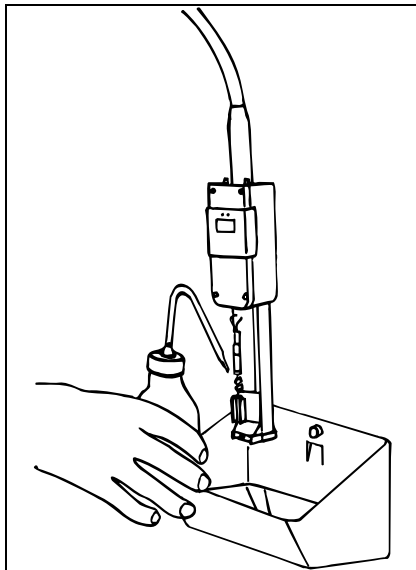
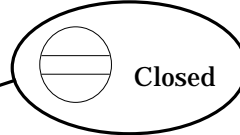
All the jets react simultaneously to this command.

Clean the head



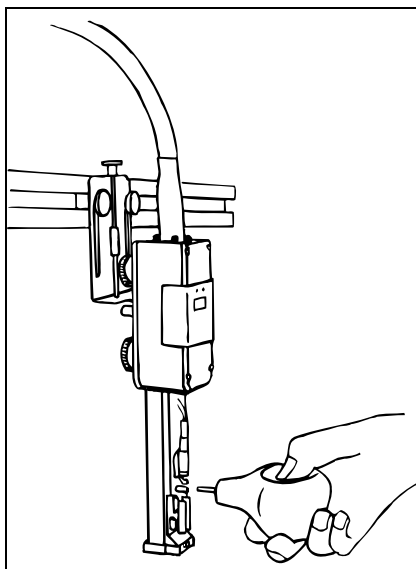
- 1** Stop the jet and place the head on the servicing support.

- 2** Close the recuperation gutter.

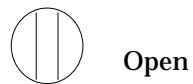


- 3** Clean the electrodes and the cannon with cleaning solution (and the brush if necessary) and carefully dry.

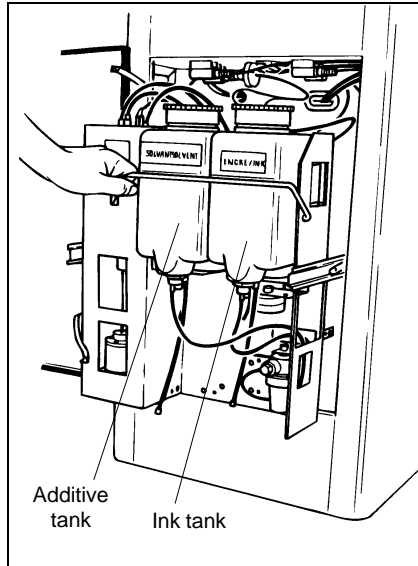
(The use or not of the brush and the drying kit is mentioned on the technical sheet of the ink).



- 4** Open the gutter and start the jet.



Check the consumables level (ink, additive, water)



1 Open the hydraulic compartment and pull the ink circuit out.

2 Check the ink level.

Fill up to half a tank maximum if necessary. Use only new IMAJE ink and make sure it is not out of date. (The date is on the bottle label).

3 Check the additive level.

Fill up to half a tank maximum if necessary. Use only the correct, unexpired, Imaje additive (check the expiry date on the container).

4 Push back the ink circuit inside the hydraulic compartment and close it.

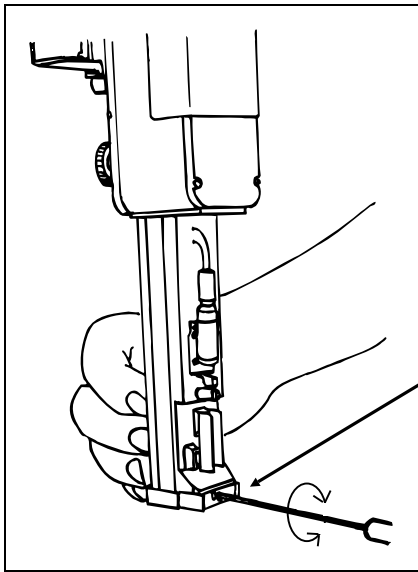
The hydraulic compartment door must be closed to guarantee a good running of the printer.

Be always efficient for start-up

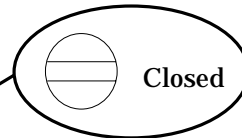
You may observe two kinds of problems at jet start-up : no jet is present, or the jet is uncontrolled and the printhead is dirty with ink.

In each case start with a printhead cleaning.

After several unsuccessful attempts, apply the "difficult start-up" procedure given below. The print head should be on its maintenance support.

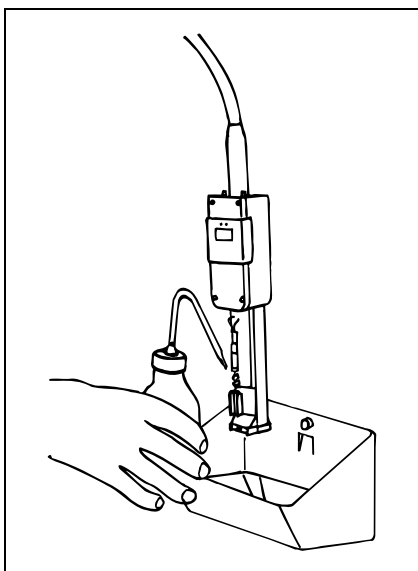


- 1** Close the gutter tap and enable the Nozzle unblocking function (Production - Status/Printhead) and let some cleaning solution run along the cannon.



- 2** When some ink is coming out of the nozzle start the cleaning solution intro function (Production - Status/Printhead).

Run some cleaning solution along the cannon for about 20 seconds.



- 3** Open the gutter tap and enable the Stability function.



- 4** When the jet is stable in the gutter stop the jet.

- 5** Clean the printhead.

Then restart the jet, check visually that everything is correct, close the printhead cover and dismiss all the faults in the keyboard.

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One object in n marked	4-3

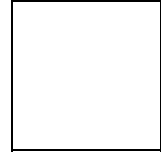


Faults, alarms and remedies

The indicators lights give you a indication on the state of the printer.

PROBLEMS	REMEDIES
1 - Green light on main power presence is off.	1a - Check the main power. 1b - Change the fuse.
2 - Red light of fault/alarm on (fixed or flashing).	2a - Perform a autodiagnosys by enabling the Stat function (Production - Status). One or more faults may appear on the display.

FAULTS/ALARMS	REMEDIES
1 - Memory lost.	1a - Repramm the printer and Contact IMAJE Technical Assistance.
2 - Ink low level.	2a - Add ink in the reservoir (maximum level : 1/2 filled).
3 - Additive	3a - Add additive in the reservoir (1/2 filled).
4 - Temperature	4a - Check the ambient temperature of the printer installation. Operation is guaranteed for an ambient temperature of between 5° and 45° C. Alter the installation if necessary.
5 - Viscosity	5a - Operate the viscosimeter drain electrovalve and check the level in the viscosimeter.
6 - Fault jet "n"... Cover open.	6a - Close or control correct closing of the head cover.
7 - Fault jet "n"... EHT fault	7a - Clean and carefully dry the jets electrodes with the solvent bottle and the blower.
8 - Fault jet "n"... Gutter fault	8a - Start the jets again, and observe them. If one of the jets is absent, deviated (out of the gutter), or unstable, clean the head, then if necessary apply the "difficult start-up" procedure.
9 - Fault "n"... Bad drop detection	9a - Clean and dry the head.
10 - Imp does not repond	10a - The fault appears after a long duration stop of the conveyor during message printing. Start message printing again.



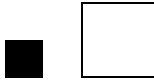
POOR PRINTING	REMEDIES
1 - No print	1a - Check correct operation of the object detector. 1b - Check the print start-up in the "message parameters".
2 - Message too long/too short	2a - Adjust the printing speed (or tacho division in the message parameters). 2b - Check the object passage speed.
3 - Print wrongly positioned	3a - Adjust the margins in the message parameters. 3b - Check the position of the object detector in relation to the printhead.
4 - Poor composition	4a - Clean the printhead. 4b - Check the head/object distance.
5 - Composition inverted. Impossible to read.	5a - Check the head direction definition in the message parameters.
6 - One object in n marked.	6a - Check for correct operation of the object detector. 6b - Ensure there are no unnecessary spaces at the end of lines.

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Examples of messages programming

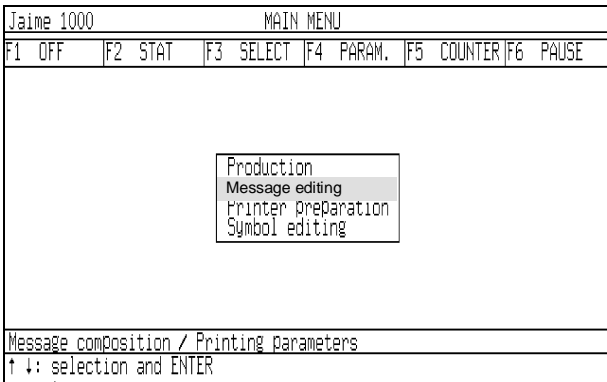
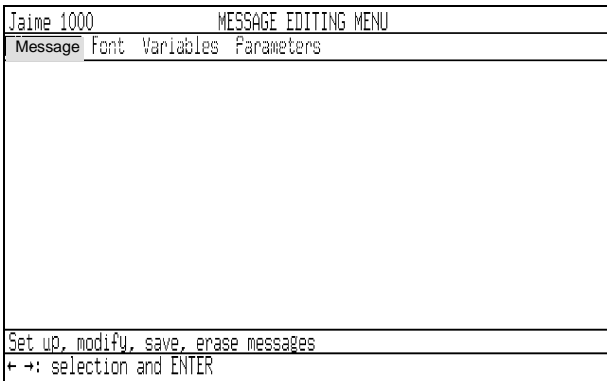


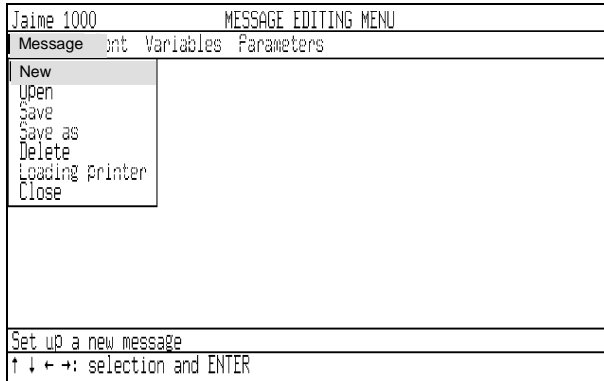
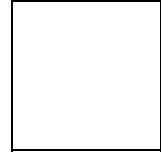
1 Message containing fixed elements only

Example: Create the following message

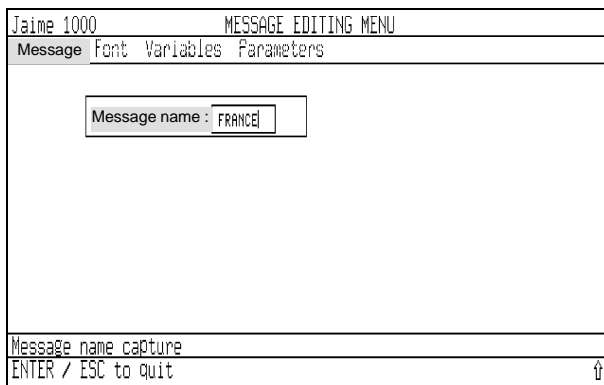
IMAGE S4^{Plus} Made in
FRANCE

This first example, which only contains fixed elements, is to familiarize you with the principles of message editing, fonts and symbols.

PROCEDURE TO BE FOLLOWED FOR THE EXAMPLE GIVEN BELOW	WHAT YOU MUST REMEMBER
<p>1) To enter the composition area</p>  <p>Choose the Message editing menu by following these instructions or by pressing the key E then ENTER.</p>  <p>Press ENTER to validate the Message sub-menu</p>	<p>All the functions required for creating a message are grouped together in the Message editing menu.</p> <p>MESSAGE only can be accessed at this point.</p>

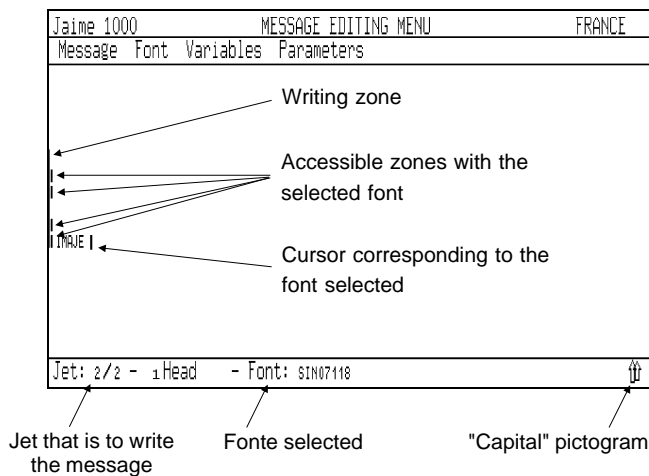


Press **ENTER** to enable the **New** step.



Provide a title, "FRANCE" for example, and press **ENTER** to validate.

2) Compose the text



Enter the name: IMAJE followed by a space. To write S4 in large characters you must change the font.

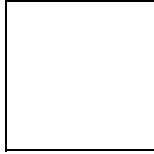
NEW is used to create a new message.

Identify the message by giving it a title of a maximum of 8 alphanumeric characters, then validate.

A flashing cursor appears, and the Font, Variable and Parameter commands are now accessible. The cursor can be moved using the arrows ← ↑ ↓ →.

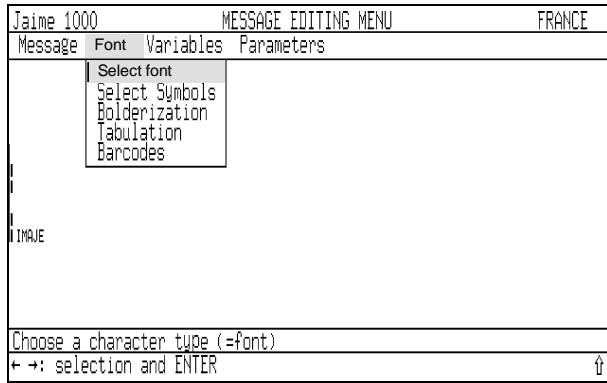
The type of character appearing on the screen is what will be printed (WYSIWIG). The font used here is a font selected "by default".

CAPS LOCK enables you to shift from capital to small letters and vice versa.

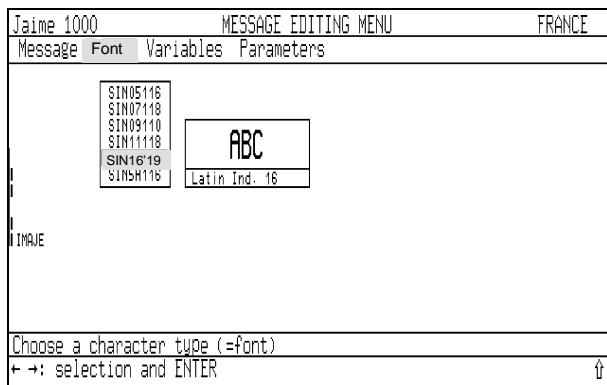


3) Choosing a font

Press **ESC** then → then **ENTER**, or simultaneously on **ALT F**.



Press **ENTER**.



Choose the 24 point font using the ↑ or ↓ key.

ALT F gives you direct access to the **FONT** sub-menu. In the same manner **ALT M** gives access to **MESSAGE**, **ALT V** to **VARIABLES** and **ALT P** to **PARAMETERS**.

Characters of the font chosen is shown next to the list of fonts in your printer. Fonts **SIN5H116** and **SIN7H116** are used in the High part of the printing area (3 and 4 line option).

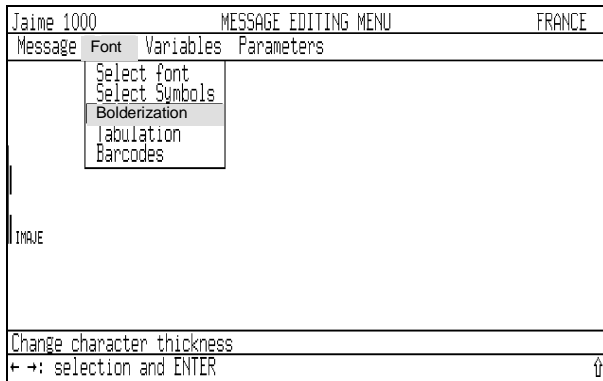


4) To bolderize one or several characters

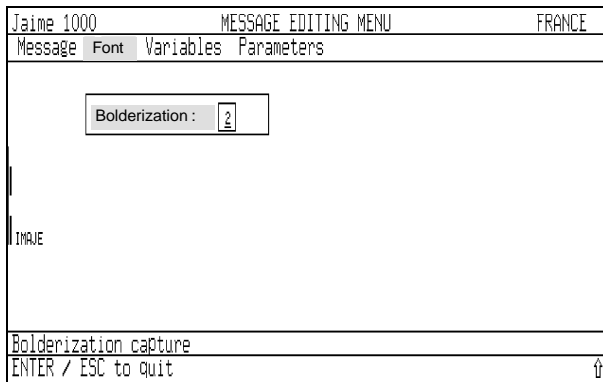
To thicken the characters S4 you have to bolderize them.

Press **ALT F**.

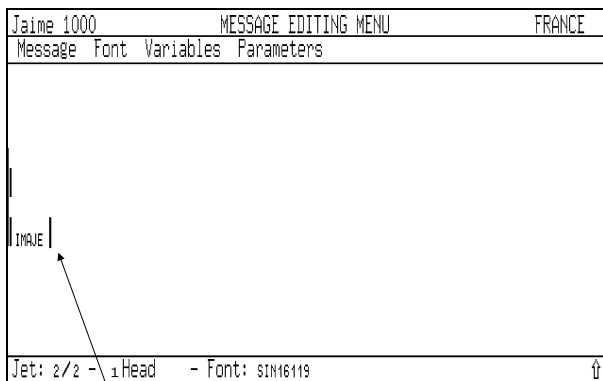
Choose Bolderization with ↓ or **B**.



Press **ENTER**.



A dialog box will appear. Press **2** then **ENTER** to validate.



Cursor corresponding to the font chosen.
Enter **S4** (in capitals)

Any character or symbol of any font can be bolderized.

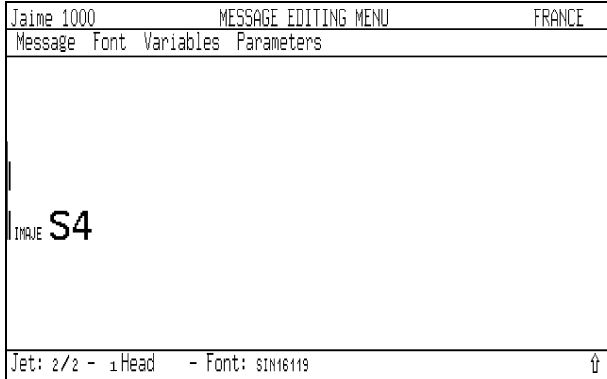
B gives direct access to **Bolderization** and the second time, **B** gives access to **Barcodes**. In the same manner, **S** gives direct access to **Select font** and the second time to **Select Symbols**. **T** gives direct access to **Tabulation**.

Bolderization is a digit from 1 to 9. The higher the digit the thicker the character will be printed.

CAUTION: If you move the cursor in an already programmed area, it will take on the value of the characters in this area.

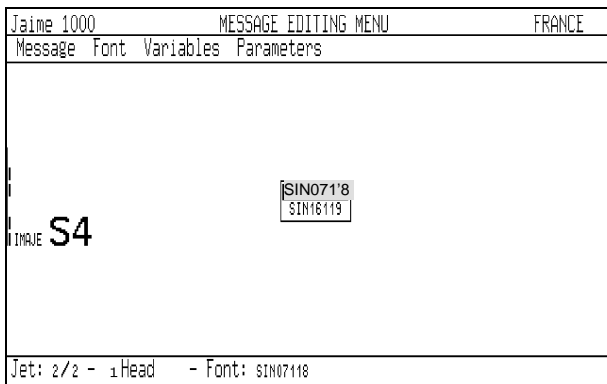


Examples of messages programming

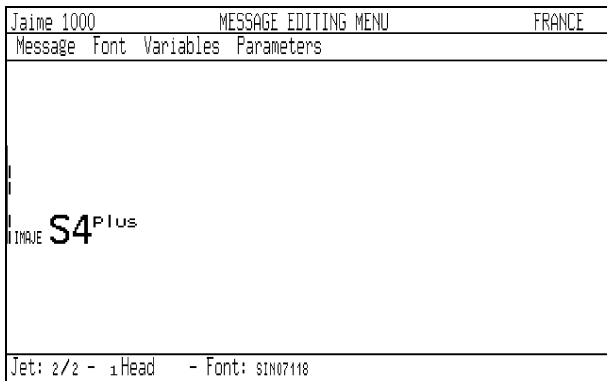


5) To re-use an already used font.

Press **CTRL F**.

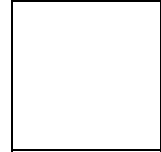


Choose the 7 point font
Place the cursor on the top line and enter **p l u s** in small letters.



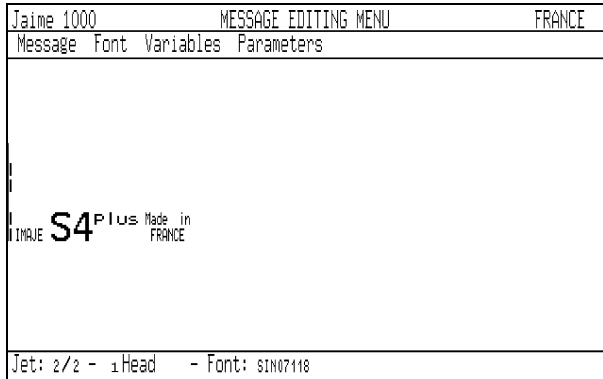
The list of fonts already used in this message will be screened on pressing the **CTRL F** keys simultaneously.

CAUTION: The last bolderization is retained.



6) To change bolderization

Press **ALT F**.
 Choose **Bolderization**.
 Enter bolderization factor **1**.
 Write: **Made in FRANCE**.

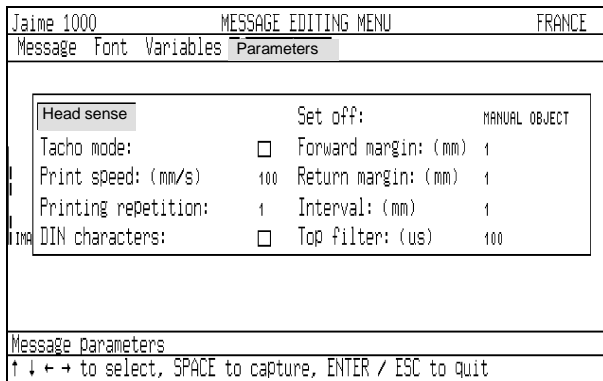


Programming of the message FRANCE is finished.

The number of bolderizations is unlimited.

7) To define the parameters of the message FRANCE

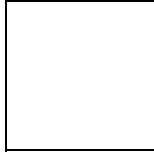
Press simultaneously on **ALT P**.
 Press **ENTER** to enable **Message**.



In order to carry out manual printing tests, you can, for example, reverse the different senses, but do not tick the tacho space. Programme a printing speed of 250 mm/s, choose the object Manual start-up, programme margins of 10 mm, leave the TOP filter at 100 µs, do not tick the DIN character space. Press **ENTER** to validate the parameters.

The programming of a message is not really finished until the parameters have been defined.

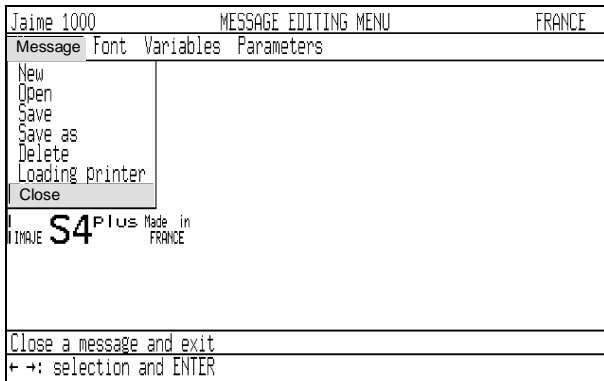
Consult the printer notice for an explanation of the message parameters.



8) Close the message

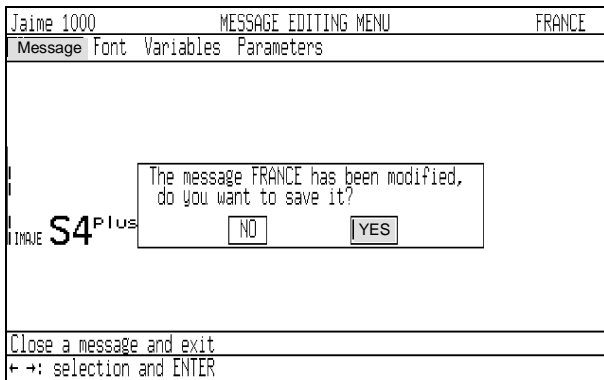
Press **ALT M**.

Choose the function, **Close** and validate



All the messages must be closed in order to be able to quit the **Message editing** menu.


9) To save the message

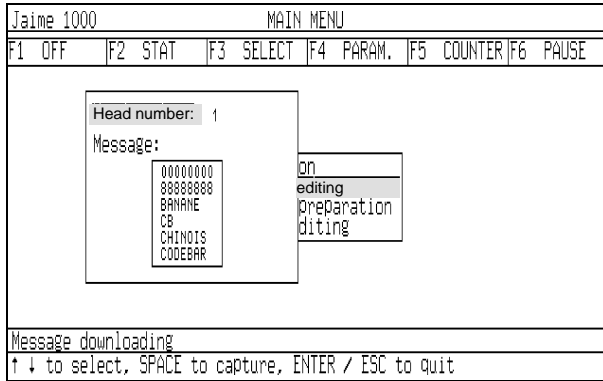


The text and parameters of the message "FRANCE" are now saved. The message has been memorized and filed in the library.

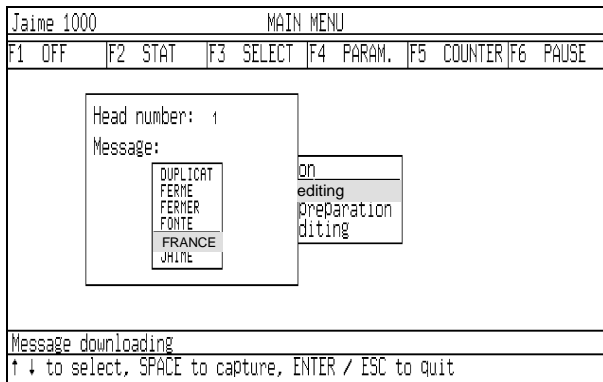
Press **ENTER** to validate.

10) To choose a message

Press  .



Select the message to be printed.



Select the message FRANCE by following these instructions.

Press ENTER to validate.

The term "message" refers to what is printed by the head.

The message are displayed in numerical order then in alphabetical order.

The list of the first six messages is screened (one page).

Use ↑ ↓ to scroll the messages one by one.

PGUP PGDN are for scrolling the pages.

HOME is for going directly to the top of the list.

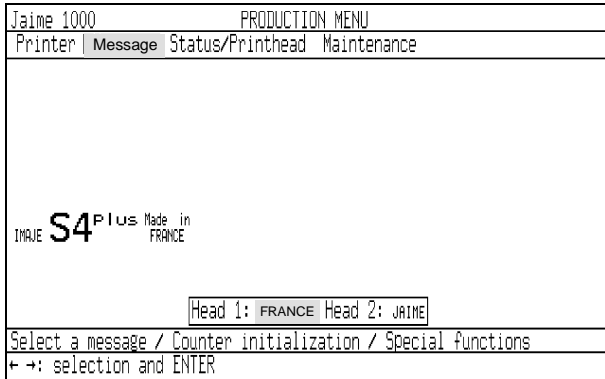
END is for going directly to the bottom of the list.



Examples of messages programming

11) To make a manual printing

The message FRANCE can now be printed manually. Press the **SPACE** bar once while passing a sheet of paper under the printhead (with the jet working).

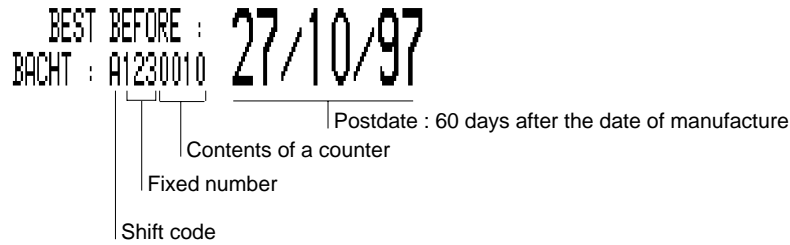


Manual printing is only possible if the message parameters are adapted. (Tacho: unticked
Command: MANUAL OBJECT or MANUAL AUTO).

CAUTION:
If the objects to be printed are located on a conveyor belt, the message parameters must be adapted to the conveyer (tachometer, triggering: object or repetitive, delay, etc).

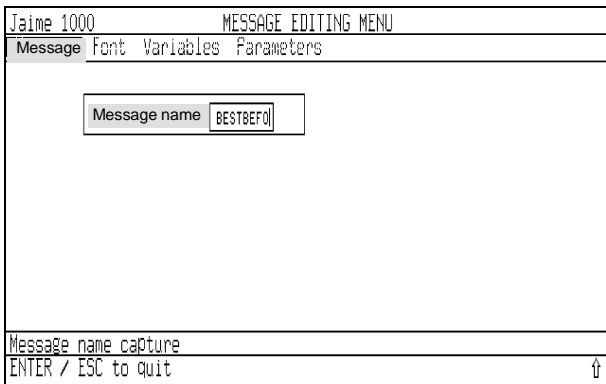
2 Message containing variables

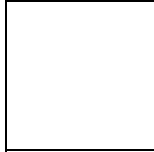
To create the following message



This second example is to familiarize you with the notion of variables. Variables are the elements of the message that evolve according to the time (hour, date, time code) or a counter.

These variable elements can be printed with any font available in your printer.

PROCEDURE TO BE FOLLOWED FOR PROGRAMMING THE ABOVE EXAMPLE	WHAT YOU MUST REMEMBER
<p>1) To access the writing area Validate Message editing, then Message, then New, then give this new message a title. E.g.: BESTBEFO</p>  <p>Press ENTER to validate.</p>	<p>You are creating a new message which will be added to the existing list.</p>



2) To compose the text

Enter: **BEST BEFORE:** then move the cursor to the bottom line and enter: **BATCH:**

Jaime 1000	MESSAGE EDITING MENU	BESTBEFO
Message	Font	Variables
Parameters		
BEST BEFORE :		
BATCH :		
Jet: 1/2 - 1Head - Font: S1N07118		

The cursor is at the top line of the writing area.

A text can be centred beneath another one, either by placing the cursor on the desired spot before entering the text or by inserting spaces in front of the text already entered.

REMINDER: All the fonts can be used, including the bar code. You can change the font, bolderize a text or screen a variable at any time.

3) To define the shift code parameters

Press **ALT P** simultaneously.
Select **Shift code**.

Jaime 1000	MESSAGE EDITING MENU	BESTBEFO
Message	Font	Variables
Parameters		
Message		
Counter		
Postdate		
Postdate 2		
Shift code		
Barcodes		
BEST BEFORE :		
BATCH :		
Define shift code parameters		
← →: selection and ENTER		

It is advisable to fix the variable parameters before inserting the variable in a message.

CAUTION: The variables and their parameters are assigned to a particular jet.

Press **ENTER** to validate.
Detail the parameters.

Jaime 1000	MESSAGE EDITING MENU	BESTBEFO
Message	Font	Variables Parameters
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> Starting time: (hh:mn) 05:00 Interval: (hh:mn) 08:00 Type: LETTER </div>		
BEST BEFORE : BACHT :		
Shift code parameters ↑ ↓ to select, SPACE to capture, ENTER / ESC to quit		

Follow these instructions. In this example the code appearing in the message will be :

- A: from 5.00 hrs to 12.59 hrs
- B: from 13.00 hrs to 20.59 hrs
- C: from 21.00 hrs to 04.59 hrs
- A: from 05.00 hrs... etc

Press **ENTER** to validate.

4) To insert the shift code in the message

Press **ALT V** simultaneously.

Select **Shift code**.

Jaime 1000	MESSAGE EDITING MENU	BESTBEFO
Message	Font	Variables Parameters
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> Counter Time Date Postdate Postdate 2 Shift code External </div>		
BEST BEFORE : BACHT :		
Insert a shift code ← →: selection and ENTER		

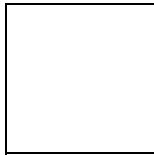
Press **ENTER** to validate.

Jaime 1000	MESSAGE EDITING MENU	BESTBEFO
Message	Font	Variables Parameters
BEST BEFORE : BACHT : A		
Jet: 1/2 - 1Head - Font: s1N07118		

CAUTION: Check the position of the cursor.

The Shift code will appear at the point indicated by the cursor, in the form defined in the "Shift code parameters".

- A: for screening in letters.
- 01: for screening in digits.



Examples of messages programming

Enter 1 2 3.

```

Jaime 1000 MESSAGE EDITING MENU BESTBEFO
Message Font Variables Parameters

BEST BEFORE :
BACHT : A123

Jet: 1/2 - 1Head - Font: SIN07118

```

A fixed text can be inserted between the variables and vice versa.

5) To define the counter parameters

Press **ALT P** simultaneously.
Select **Counter**.
Press **ENTER** to validate.
Detail the parameters.

```

Jaime 1000 MESSAGE EDITING MENU BESTBEFO
Message Font Variables Parameters

First figure : 00000010 Incrementation type: OBJECT
Last figure: 00009999 Zeros before figure: 
Counter step: 05 Reinit./top object : 
Batch counter: 000002

BEST BEFORE :
BACHT : A123


Counter Parameters
↑ ↓ ← → to select, SPACE to capture, ENTER / ESC to quit

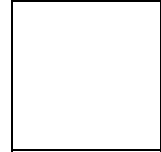
```

The same counter can be inserted at several different places in a message. On a multi-jet printhead there is a different counter for each jet.

In this example the counter printings will be: 0010, 0010, 0015, 0015, 0020, ... 9990, 9990, 9995, 9995, 0010 ...

Press **ENTER** to validate.

CAUTION: Remember to initialize the counter before the first printing ().



6) To insert the counter in a message
(where indicated by the cursor)

Press **ALT V** simultaneously.
Select and validate **Counter**.

Jaimé 1000	MESSAGE EDITING MENU	BESTBEFO
Message Font Variables Parameters		
BEST BEFORE : BACHT : A1230010		
Jet: 1/2 - 1Head - Font: SIN07118		

To continue this example, position the cursor after BEST BEFORE and change the font (16 points).

7) To define the Postdate parameters

Press **ALT P** simultaneously.
Select **Postdate**.
Press **ENTER** to validate.
Detail the Postdate period in day or in month (60 days in this case).

Jaimé 1000	MESSAGE EDITING MENU	BESTBEFO
Message Font Variables Parameters		
Unit: DAY(S) Duration: 60		
BEST BEFORE : BACHT : A1230010		
Postdate value		
↑ ↓ to select, SPACE to capture, ENTER / ESC to quit		

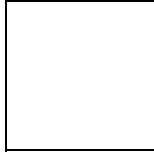
Press **ENTER** to validate.

The counter will come into position where indicated by the cursor and take the starting value defined beforehand in the counter parameters.

See point 3 of the preceding example.

CAUTION: Remember to initialize the calendar in the Print preparation menu.

Two different postdates are available for each jet.



Examples of messages programming

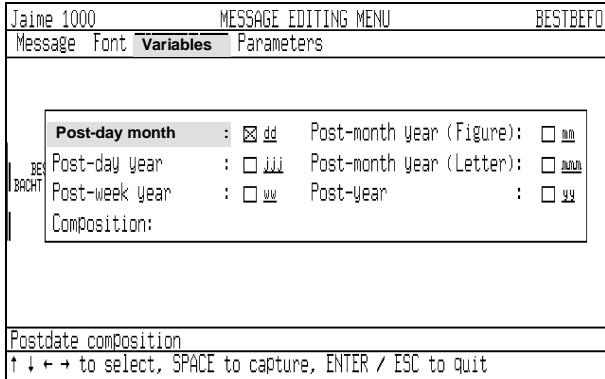
8) To insert the postdate in a message

Press **ALT V** simultaneously.

Select **Postdate**.

Press **ENTER** to validate.

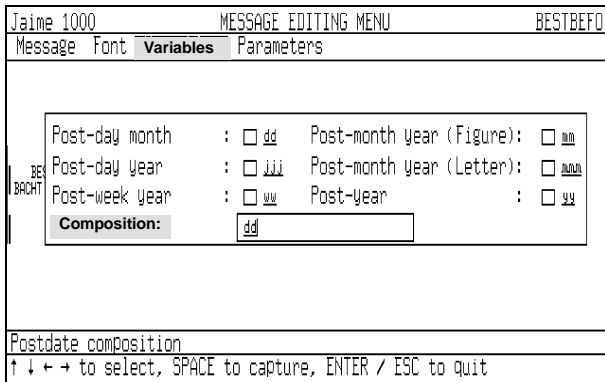
Tick **Postdate month a**:



To position a separator:

- Select **Composition**.

- Press the **SPACE** bar.




- Type **/** (separator).

- Press **ENTER** to validate.

Several elements of the date, the postdate or the time can be displayed in sequence with or without separators.

Four separators can be used (/, space, :, -).

You can use the quick access key  to select "Composition".

In **Composition** mode you can insert or delete a separator or a variable item.

- To insert a separator, place the cursor at the appropriate location and type the corresponding key.

- To insert a variable item, place the cursor at the appropriate location then check the desired element.

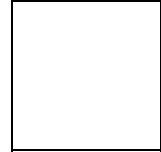
To correct a date or postdate variable already inserted in the message:

1) Place the message cursor in front of this variable (Date stamp appears at the bottom of the screen).

2) Select **Variable** (**ALT + V**).

3) Select then validate the corresponding date or postdate.

4) Correct the **Composition**.



Select and check **Postmonth** (figure): mm.
 Position the separator (/) as above.
 Repeat for the Postyear: yy

Jaime 1000	MESSAGE EDITING MENU	BESTBEFO																
Message	Font	Variables Parameters																
<table border="1"> <tr> <td>Post-day month</td> <td>: <input type="checkbox"/> dd</td> <td>Post-month year (Figure):</td> <td><input type="checkbox"/> mm</td> </tr> <tr> <td>Post-day year</td> <td>: <input type="checkbox"/> jjj</td> <td>Post-month year (Letter):</td> <td><input type="checkbox"/> mmn</td> </tr> <tr> <td>Post-week year</td> <td>: <input type="checkbox"/> ww</td> <td>Post-year</td> <td>: <input checked="" type="checkbox"/> yy</td> </tr> <tr> <td>ComPosition:</td> <td colspan="3">dd/mm/yy</td> </tr> </table>			Post-day month	: <input type="checkbox"/> dd	Post-month year (Figure):	<input type="checkbox"/> mm	Post-day year	: <input type="checkbox"/> jjj	Post-month year (Letter):	<input type="checkbox"/> mmn	Post-week year	: <input type="checkbox"/> ww	Post-year	: <input checked="" type="checkbox"/> yy	ComPosition:	dd/mm/yy		
Post-day month	: <input type="checkbox"/> dd	Post-month year (Figure):	<input type="checkbox"/> mm															
Post-day year	: <input type="checkbox"/> jjj	Post-month year (Letter):	<input type="checkbox"/> mmn															
Post-week year	: <input type="checkbox"/> ww	Post-year	: <input checked="" type="checkbox"/> yy															
ComPosition:	dd/mm/yy																	
Postdate comPosition																		
↑ ↓ ← → to select, SPACE to capture, ENTER / ESC to quit																		

Press ENTER to validate.

Jaime 1000	MESSAGE EDITING MENU	BESTBEFO
Message	Font	Variables Parameters
<p>BEST BEFORE : 27/10/97</p> <p>BACHT : A1230010</p>		
Jet: 1/2 - 1Head - Font: s1m16119		

Programming of the BEST BEFORE message text is now finished.

Remember to define the parameters of this new message and to save it.



SOME MORE RECOMMENDATIONS

- 1 - The printhead is made of highly precise parts.
DO NOT TREAT IT HARSHLY.

- 2 - Do not bend an umbilical. Respect the minimum curve rays.

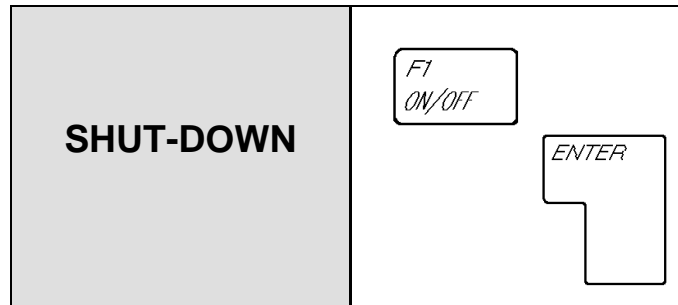
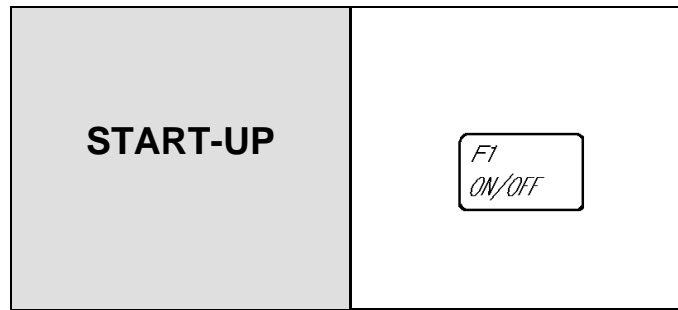
- 3 - Do not leave your printer on for long periods without printing.
A main power cut may result in a difficult start-up.

- 4 - Do not interrupt the stopping cycle (Wait 2 min..), the printer could have difficulties to start-up again.

- 5 - For your safety, handle inks, additives and cleaning solutions with care. These products are usually inflammable and irritant.

- 6 - Used inks and cleaning solution must be disposed of in a responsible manner.

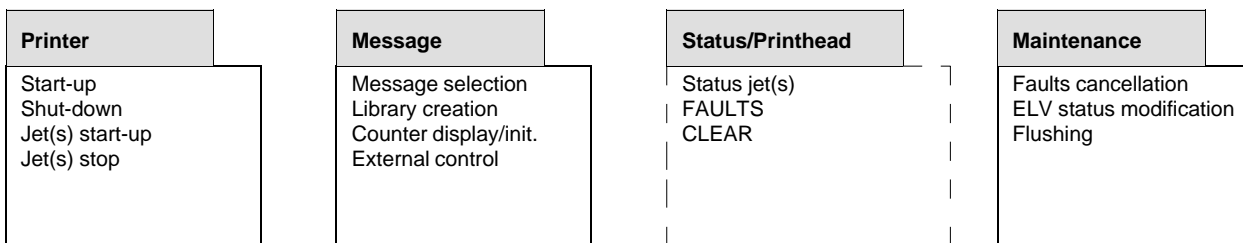
- 7 - **CAUTION:** the ink circuit is fitted with two stirrers located at the base of the ink and recovery tanks, whose purpose is to mix the ink continuously. As a result, never disconnect the printer from the mains electricity network for more than two hours without first draining and rinsing.



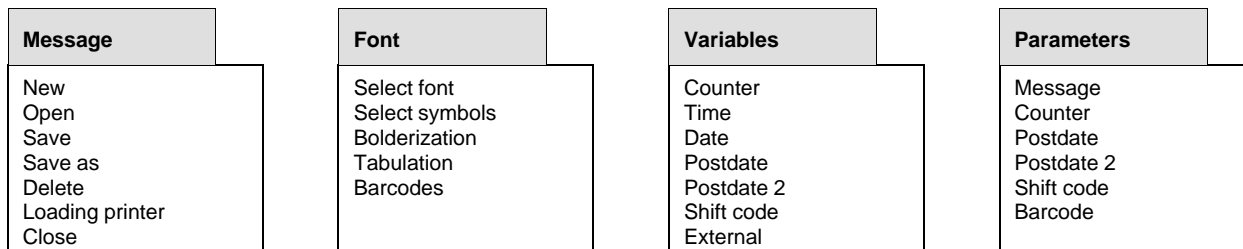
Software index : D7
Revision index documentation : A18420/E

Menus overall view

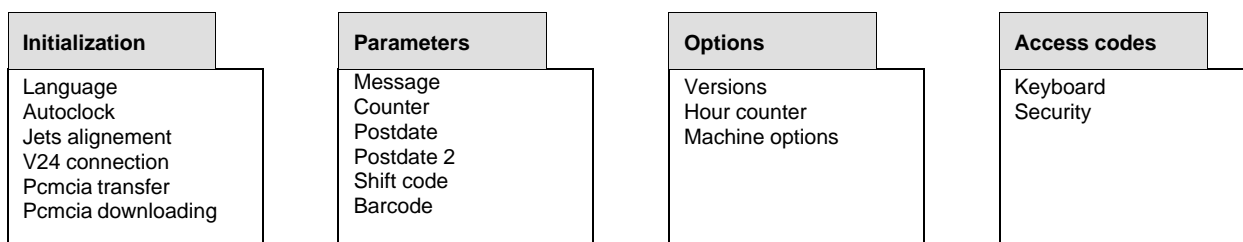
PRODUCTION



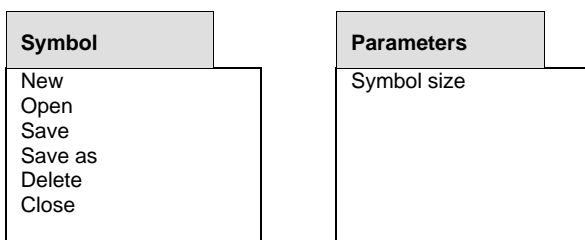
MESSAGE EDITING



PRINTER PREPARATION

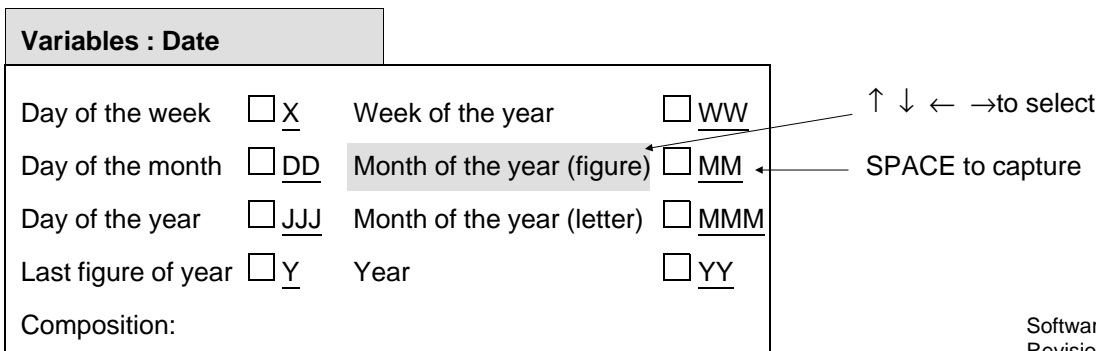
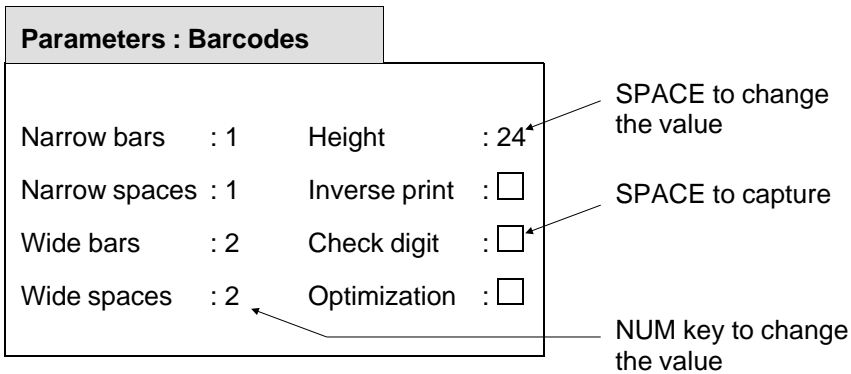
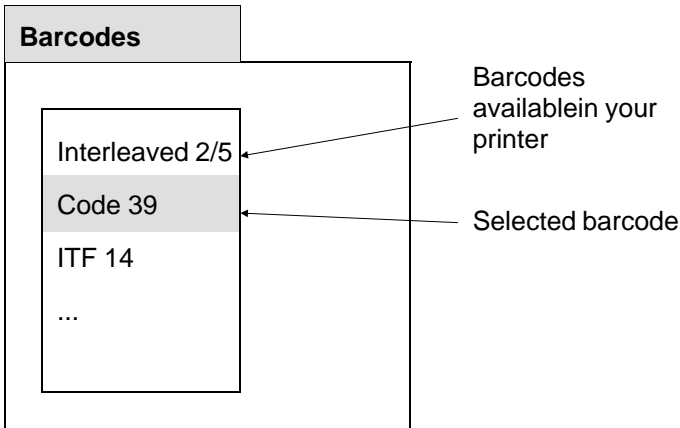
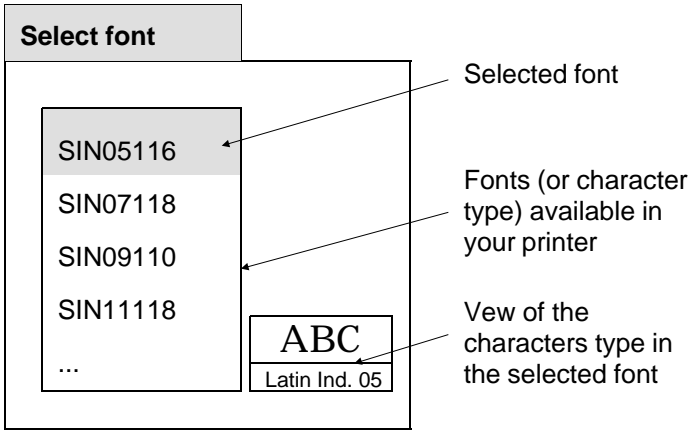


SYMBOL EDITING



Dialogue box

Direct access keys



F1
ON/OFF Stop or start-up the printer

F2
STAT Display and validation of a fault

F3
SELECT Selection of the message to be printed

F4
PARAMETER Modification of the parameters of the current message

F5
COUNTER Display and initialization of the counters

F6
PAUSE/PRINT Stop and start again of the printing

F7
MAINT 1 Jet Maintenance

F8
MAINT 2 Ink circuit electrovalves maintenance