

# **TECHNICAL MANUAL**



MAPI SYSTEM (DOMINO A400)



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1) ELECTRICAL DIAGRAM OF THE BOX AND THE MACHINE

2) MECHANICAL PLANS

3 - APPENDIX



## 2) ELECTRICAL DIAGRAM OF THE BOX AND THE MACHINE















#### **2) MECHANICAL PLANS**

















# 3 - APPENDIX

ADJUSTING PRINT QUALITY BY MOVING THE HEAD

PRINT DETECTION ADJUSTMENT PROCEDURE:



ADJUSTING PRINT QUALITY BY MOVING THE HEAD

## 1) Symptoms:

A correctly printed and legible straw is displayed below:



When the printing head is wrongly adjusted, there are two possibilities:

## A) The bottom of the printed message partly disappears:

...In this case, the printing head is too far advanced towards the operator.

## B) The top of the printed message partly disappears:



In this case, the printing head is too far back towards the rear of the machine.

## 2) Adjustments: (see following diagram)

To move the printing head, loosen the locking knob and move the head by turning the adjusting knob. Assuming that the operator is facing the MAPI, the printing head will be retracted by turning the adjusting knob towards the right (correction for case A). If the adjusting knob is turned to the left, the printing head advances towards the operator (case B). The adjusting knob provides very precise movement and only a very small correction is required for good printing. The knob should therefore not be turned by a <sup>1</sup>/<sub>4</sub> turn at each adjustment. Once the adjustment has been made, block the locking knob so that the printing head does not tremble during functioning. Carry out a test run and readjust as often as necessary to ensure good printing.



Cryo

MAPI

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#### PRINT DETECTION ADJUSTMENT PROCEDURE:

All the electro-mechanical elements of the machine, in particular the detection cell amplifiers, are located in the left part of the bottom of the machine. These two amplifiers are orange in colour and are fixed together. The printing detection cell amplifier is presented below:



1) Detection adjustment:

Place a straw under the cell just before the DOMINO printing head. First, adjust the cell on straw non-presence: place the straw under the cell and move it forward so that the straw cap is positioned almost under the printing head.





When the straw is in this position, press the lower button of the amplifier for about 5 seconds in order to start the adjustment mode.

The amplifier LEDs begin to blink, and then only the two LEDs between the buttons blink. The cell now awaits the nonpresence and presence adjustments.

#### A) Non-presence:

The straw positioned before the amplifier must have several LEDs illuminated. Press once on the lower button in order to memorise the non-presence detection of the object.

#### B) Presence:

Retract the straw so that the cap is located under the detection cell. On the amplifier, all the upper LEDs must be extinguished. Press the lower button of the amplifier once again to validate the adjustment.



Notes :