FM75 – FM76

The electronic board can detect some errors signalled by displaying the following messages on the display (D):

E 1   Machine has been switched on when the hood was lowered. Lift the hood up.

E 2   Machine has been switched on when the (S) button was pressed. Release the button. In case the error signalling still persists, check the correct functioning of the button.

E 3   Working temperature hasn't been reached in the set time (10 min.). Check the correct positioning of the feeler. Check heater and fuses. Reset through (P) button.

E 4   Temperature is higher than 400°C or feeler has been interrupted. Switch the machine on to reset.

FM77

In case of "ANOMALY" the display will show as follows:

E 1   Machine has been switched on when the hood was lowered. Lift the hood up.

E 2   Machine has been switched on when the (S) button was pressed. Release the button. In case the error signalling still persists, check the correct functioning of the button.

E 3   Working temperature hasn't been reached in the set time (10 min.). Check the correct positioning of the feeler. Check heater and fuses. Reset through (P) button.

E 4   Temperature is higher than 470°C or feeler has been interrupted. Switch the machine on to reset.

GALAXY and GALILEO

The electronic board detects series of alarms that are indicated on the display (D) by the following messages:

AL1:   Limit switch B1 closed when the machine is switched on.

Possible causes are:
- ❑ Machine on and hood down. Lift the hood.
- ❑ Limit switch B1 faulty. Repair or replace the limit switch.

The machine will not execute the cycle in both cases. It is necessary to open the limit switch contact to cancel signalling. The alarm will disappear as soon as the contact is opened.

AL2:   Temperature not reached.
The working temperature was not reached in the pre-set time (15 min.).
Check that the thermocouple is positioned correctly. Check the heating element. To reset the alarm, switch the machine off and on again.

AL3:   Maximum temperature exceeded or thermocouple tripped.
The element has exceeded the maximum permissible temperature or the thermocouple has tripped. Check the thermocouple. Check the power board.
To reset the alarm, switch the machine off and on again.

AL4:   Thermocouple polarity inverted.
Check the thermocouple connections.
To reset the alarm, switch the machine off and on again.

AL5:   Sealing blade safety device.
To reset the alarm, switch the machine off and on again.
If the machine operates normally when it restarts it means that an incorrect operation has been carried out (e.g. two sealing operations in a very short space of time).
If the alarm recurs it means that there is a fault on the power board. Contact the technical assistance.

ALL: Hood closed after shrinking.
If the hood remains closed during a shrinking cycle for longer than the pre-set shrinking time, the machine continues the shrinking for a maximum of 10 seconds, after which it stops running.
To reset the alarm, simply open the hood.

EEE: Machine lock.
Contact the technical assistance.

FF1:   Memory.

FF2:   To reset the alarm, switch the machine off and on again while pressing the buttons (2) and (3) for 3 seconds

E_COM: Electrical interference has rendered communication between the boards incomprehensible.
To reset the alarm, switch the machine off and on again

JUNIOR

In case of "ANOMALY" the display will show as follows:
E 1   Machine has been switched on when the hood was lowered. Lift the hood up.
E 2   Machine has been switched on when the (S) button was pressed. Release the button. In case the error signalling still persists, check the correct functioning of the button.
E 3   Working temperature hasn't been reached in the set time (10 min.). Check the correct positioning of the feeler. Check heater and fuses. Reset through (P) button.
E 4   Temperature is higher than 430°C or feeler has been interrupted. Switch the machine on to reset.

MAILBAG

ALARMS

In case of alarms the display will show as follows:

Alarm	Cause	Reset
A1	Meaning front door (2) (see paragraph 2.1) is open.	Press button (R) and close front door.
A2	Motor stops in case of film jamming.	Press button (R) and place film correctly.
A3	Magnets anomaly.	Press button (R) and ask for technical support.
A4	Wrong values are set.	Press button (R) to modify them.

MEDIA

Alarm messages

The electronic board detects series of alarms that are indicated on the display (D1) by the following messages:

E 1   Machine has been switched on when sealing frame was lowered.
      Lift sealing frame up.
E 2   Machine has been switched on when (S) button was pressed. Release button. In case the error signalling still persists, check the correct functioning of the button.
E 4   Temperature is higher than 450°C or feeler has been cut off.
      Switch the machine on to reset.
E 6   The limit switch to cut out security is broken (it is always closed). Check the correct functioning of the limit switch to cut out security, then switch the machine off and on again.
E 7   Tunnel blocked for thermic intervention of fan motor or inverter relay.
      Contact the assistance service.
- -   Sealing frame not in proper position when switching machine on. Press emergency pushbutton to lift hood. Once it has been lifted, signalling will disappear.

MODULAR 50 – MODULAR 70

E 1	Machine has been switched on with lowered sealing frame. Lift it up.
E 2	Machine has been switched on when the (S) button was pressed. Release the button. In case the error signalling still persists, check the correct functioning of the button.
E 6	The limit switch to cut out security is broken (it is always closed).Check the correct functioning of the limit switch to cut out security, then switch the machine off and on again.
- -	Sealing frame not in proper position when switching machine on. Press emergency button to lift sealing frame. When the frame is up, signalling will disappear.

REPLAY 40 – REPLAY 55

The electronic board can detect some errors signalled by displaying the following messages on the display (D):

E 1   Machine has been switched on when the hood was lowered. Lift the hood up.

E 2   Machine has been switched on when the (S) button was pressed. Release the button. In case the error signalling still persists, check the correct functioning of the button.

E 3   Working temperature hasn't been reached in the set time (10 min.). Check the correct positioning of the feeler. Check heater and fuses. Reset through (P) button.

E 4   Temperature is higher than 400°C or feeler has been interrupted. Switch the machine on to reset.

REPLAY 55 EVO

The electronic board detects series of alarms that are indicated on the display (D) by the following messages:

AL1:   Limit switch B1 closed when the machine is switched on.
Possible causes are:
❑   Machine on and hood down. Lift the hood.
❑   Limit switch B1 faulty. Repair or replace the limit switch.
The machine will not execute the cycle in both cases. It is necessary to open the limit switch contact to cancel signalling.
The alarm will disappear as soon as the contact is opened.

AL2:   Temperature not reached.
A possible cause is:
❑   The working temperature was not reached in the pre-set time (15 min.).
Check that the thermocouple is positioned correctly. Check the heating
element. To reset the alarm, switch the machine off and on again.

AL3:   Maximum temperature exceeded.
Possible causes are:
❑   Thermocouple with broken wires, damaged, or not in contact at the point of attachment on the heat sink.
❑   Membrane board with relative flat connection, damaged with loss of electrical insulation.
❑   Shrinking magnet damaged with loss of electrical insulation.
❑   The electronic component for the control of the heat sink on the power board is
faulty. Take electrical measurements and/or replace the components.
To reset the alarm, switch the machine off and on again.

AL4:   Thermocouple interrupted.
To reset the alarm, switch the machine off and on again.

AL5:   Sealing blade safety device.
A possible cause is:
❑   Triac sealing short circuit or mains voltage side sealing open
circuit. To reset the alarm, switch the machine off and on again.

AL6:   Chamber safety thermostat tripped due to overheating.
A possible cause is:
❑   Malfunction of the heat sink temperature control system.
Check that the machine has no faults during operation (strange noises, burning odours, strangely high work temperatures).
Try to manually rearm the safety thermostat under the front panel (disconnect the power to the machine before opening the panel).

AL7:   Operator safety.
A possible cause is:
❑   KM relay short circuit.
To reset the alarm, switch the machine off and on again.

AL8:   Operator safety.
A possible cause is:
❑   KM relay open circuit.
To reset the alarm, switch the machine off and on again.

ALL: Hood closed after shrinking.
If the hood remains closed during a shrinking cycle for longer than the pre-set shrinking time, the machine continues the shrinking for a maximum of 10 seconds, after which it stops running.
To reset the alarm, simply open the hood.

EEE: Machine lock.
Contact the technical assistance.

OffL: No communication between the display unit and the power unit.
To reset the alarm, switch the machine off and on again.

RP 40 – RP 55 – RP 85

The electronic board detects series of alarms that are indicated on the display (D) by the following messages:

A: The machine power voltage is below (~ 10%) that provided by the network.
The control board must be replaced.
Contact the after-sales technical assistance.

AL1:   Limit switch B1 closed when the machine is switched on.
Possible causes are:
❑   Machine on and hood down. Lift the hood.
❑   Limit switch B1 faulty. Repair or replace the limit switch.
The machine will not execute the cycle in both cases. It is necessary to open the limit switch contact to cancel signalling.
The alarm will disappear as soon as the contact is opened.

AL2:   Temperature not reached.
The working temperature was not reached in the pre-set time (15 min.).
Check that the thermocouple is positioned correctly. Check the heating element. To reset the alarm, switch the machine off and on again.

AL3:   Maximum temperature exceeded or thermocouple tripped.
❑   The element has exceeded the maximum permissible temperature or the thermocouple has tripped. Check the thermocouple.
To reset the alarm, switch the machine off and on again.
❑   Should the alarm appear again, the flat cable of the membrane head may be faulty. Check the cable is intact. Replace the membrane head if the cable is faulty.

AL4:   Thermocouple polarity inverted.
Check the thermocouple connections.
To reset the alarm, switch the machine off and on again.

AL5:   Sealing blade safety device.
            To reset the alarm, switch the machine off and on again.
            If the machine operates normally when it restarts it means that an incorrect operation has been carried out
            (e.g. two sealing operations in a very short space of time).
            If the alarm recurs it means that there is a fault on the power board.
            Contact the technical assistance.

ALL: Hood closed after shrinking.
            If the hood remains closed during a shrinking cycle for longer than the pre-set shrinking time, the machine
            continues the shrinking for a maximum of 10 seconds, after which it stops running.
            To reset the alarm, simply open the hood.

EEE: Machine lock.
            Contact the technical assistance.

FF1: FF2   Memory.
            To reset the alarm, switch the machine off and on again while pressing the buttons (2) and

SYNTHESIS

In case of "ANOMALY" the display will show as follows:

E 1   Machine has been switched on when the hood was lowered. Lift the hood up.

E 2   Machine has been switched on when the S button was pressed. Release the button. In case the error signalling still persists, check the correct functioning of the button.

E 3   Working temperature hasn't been reached in the set time (10 min.). Check the correct positioning of the feeler.
Check heater and fuses. Reset through P button.

E 4   Temperature is higher than 430°C or feeler has been interrupted. Switch the machine on to reset.

TUNNEL 50 – TUNNEL 50 TWIN – TUNNEL 70

6.1.1. Alarm messages

The electronic board detects series of alarms that are indicated on the display (7) by the following messages:

A 1	"Emergency pushbutton" alarm.
	Emergency pushbutton (9) is held down.
	Release the button by turning it to the right. Afterwards press START button (5).
A 2	"Inverter" alarm.
	Check the failure coding on the inverter display arranged on the electrical installation.
	Check for the reset procedure on the inverter user manual (supplied with the machine).
A 3	"Motor Thermal Switch" alarm
	Check the correct operation of the fan wheel motor.
A 4	"Temperature" alarm.
	The temperature has exceeded 230°C or the probe is interrupted.
	Check the probe and the relating connections.