

## The Stacking Table

The stacking table consists of :

- lift motor
- stacking height sensor
- nearly full sensor
- full sensor
- table present sensor

### ***The Lift Motor (M61)***

The lift motor is a DC motor. The lift motor is controlled by the stacking height sensor while stacking.

The lift motor is controlled by the operator UI, or the closing of the front door when the stacker is stopped or in bypass mode.

### ***The Stacking Height Sensor (B62)***

When the table reaches the top position, it is controlled by a process the purpose of which is to keep the pile height at a constant level.

When a flip operation is about to begin<sup>(5)</sup> , the table height sensor is monitored.

If it is covered, the lift motor is powered for a specified amount of time.

If the sensor is still covered at this stage, the activation time is increased for future actuations.

<sup>(5)</sup> In order to avoid false detections (ringing) that occur after the previous flip operation.

## ***Stacking High Safety***

Stacking High Safety (the protection against the lift motor going too high) is provided by a current limitation in the motor drive circuitry.

### ***The nearly full sensor (S64)***

This sensor, when cleared by actuator moving down means that the table is at its lowest level (casters on ground) to allow unlatching door.

### ***The full sensor (S65)***

The sensor detects and informs the printer that the stack is full. Together, S64 and S65 , owing to the design of the pressure plate linked to the tray, can code four situations :

- In Process
- Nearly Full
- Full
- At Bottom

### ***Stacking Table Present Sensor (S69)***

The presence of the stacking table is monitored by S69. The table mechanism will not go up unless this sensor is activated.

## ***The Front Door***

The front door consists of :

- front door safety switch (S01)
- front door reporting switch (S02)
- front door solenoid (Y03)

### ***The Front Door Safety Switch (S01)***

The front door safety switch removes the power to the lift motor, flipping motor, output diverter solenoid (Y37) and motorisation clutch solenoid (Y51) when the door is open.