

Camera lift ref. 370

Introduction

Print stations of sheet fed printing presses need to be accessible from all sides. Covers, floor boards and safety guards must open for changing jobs and daily maintenance.

Due to this, retrofitting these machines with an in-line inspection system was not possible.

Now miniPLEX B.V. has developed a lift system that positions a camera enclosure close to the print at the last printing station while printing. The enclosure travels out of workers' way during job changes.

Applications

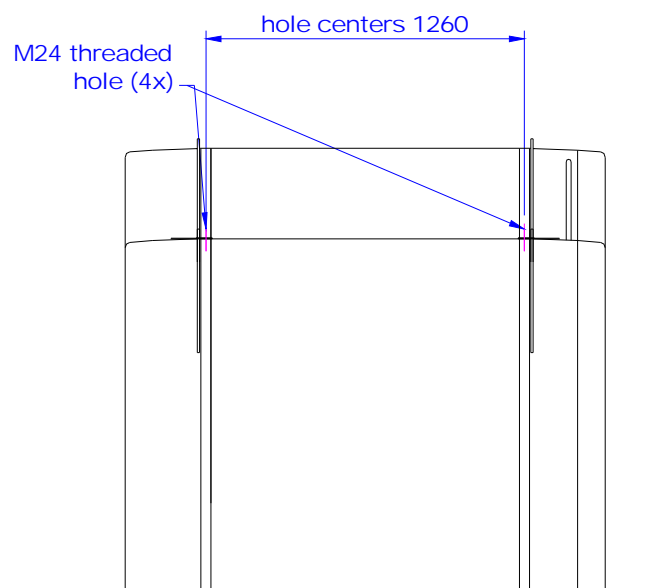
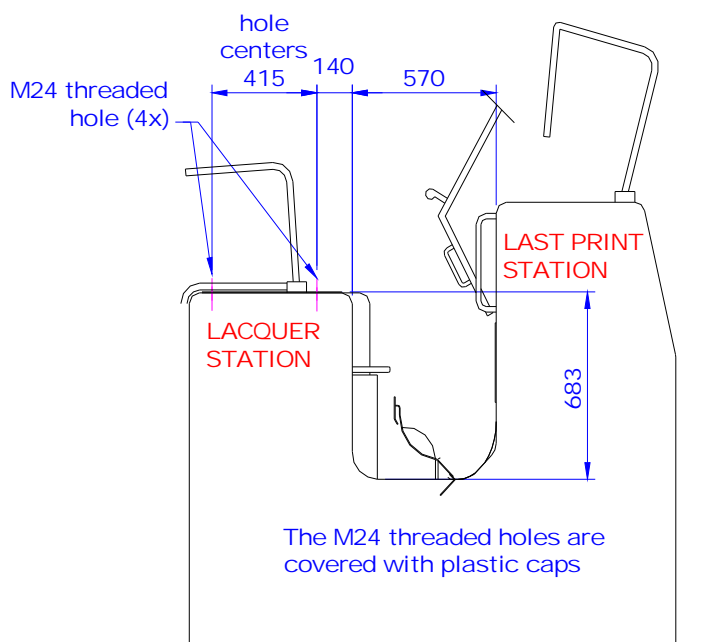
The camera lift is available for Heidelberg Speedmaster presses of the types CD102 and SM102. Some restriction are:

- The presses must have a lacquer station (last lower station);
- Dimensions between this and the last printing station must be according the sketch below.

In future camera lifts for other models will be developed.



Press dimensions





Upper position

Operation

After setting a job:

- The safety guard of the last printing station is opened halfway and the floor board between last printing station and lacquer station must be opened.
- The camera enclosure is lowered by a two hand safety control. In the bottom position the unit is positioned by two lock pins (All gaps are closed by the unit)
- The safety circuit is closed automatically.
- The 'air knife' blower revs up.
- Printing and inspection can commence.

System components

- The camera enclosure incorporates:
 - 2, 3 or 4 line scan cameras;
 - lighting equipment;
 - An air-hold-down unit ('air knife');
- Supports containing all electronic components and the 3-phase gear motor, mains switch, control buttons and lights.
- Air blower for the 'air knife'
- Inverter to control the air blower.

Contact

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Electrical supplies

Control unit in lift support, single phase:

- either 1x 220/240 VAC – 2 Amps – 50 Hz
- or 1x 110/120 VAC – 4 Amps – 60 Hz.

Supply to frequency inverter for air blower:

- either 3x 380 VAC – 25 Amps – 50 Hz
- or 3x 220 VAC – 40 Amps – 60 Hz.

System connections

