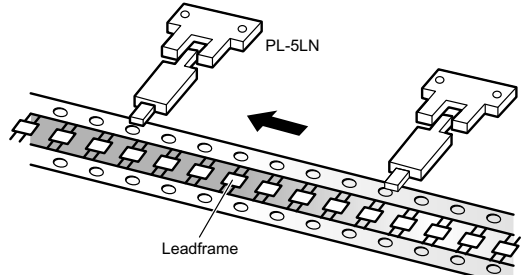


These presses are specially designed for semiconductor production and are generally enclosed in glass to ensure optimum environmental conditions.

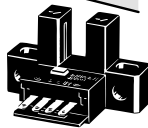


PL-5LN

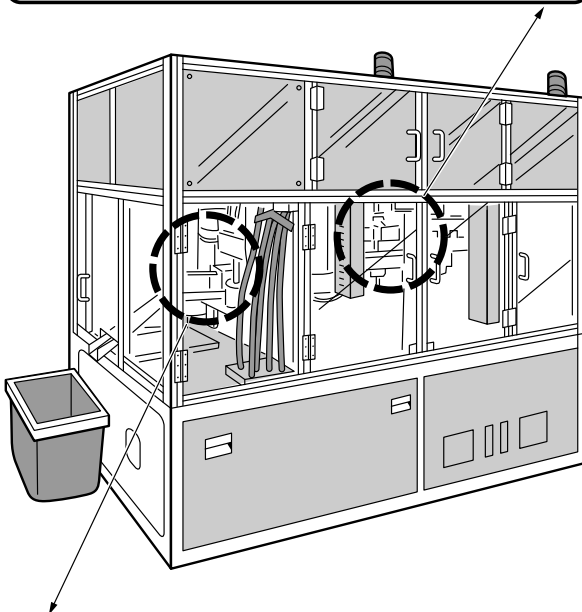
Leadframe

Confirmation of Leadframe Case Conveyors

Pilot holes are used to move leadframes. Here, slot-type photomicrosensors are used to confirm that the tips of the conveyor mechanism are properly engaged with the holes.

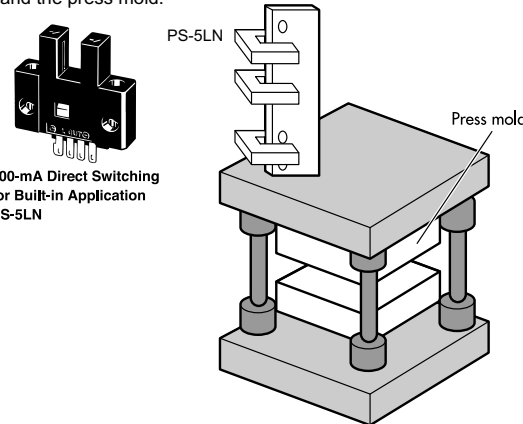


100-mA Direct Switching for Built-in Application PL-5LN



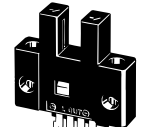
Upper and Lower Limit Detection of Press Molds

The upper and lower travel limits of press molds must be detected to properly time the movement of the leadframes and the press mold.



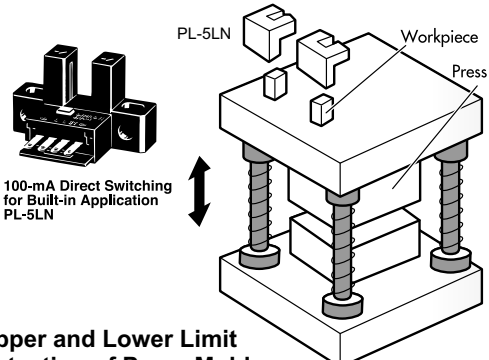
PS-5LN

Press mold



100-mA Direct Switching for Built-in Application PS-5LN

After die bonding, wire bonding, and element formation are completed, precision presses in clean rooms complete processing by performing bending and cutting operations.



PL-5LN

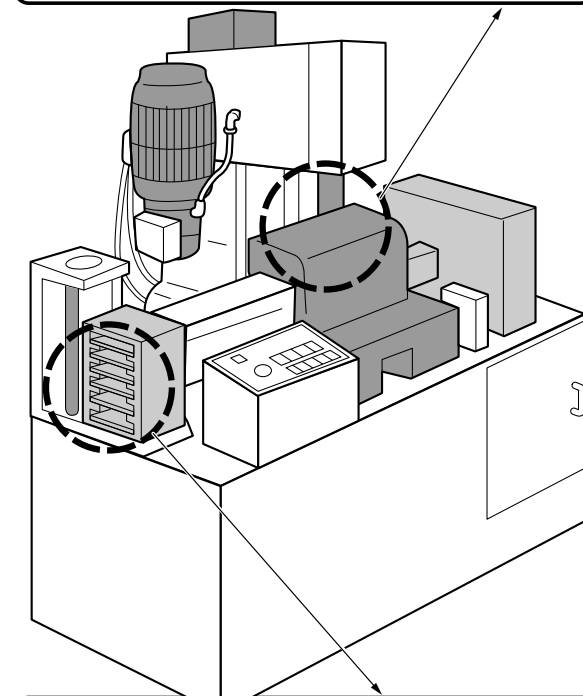
Workpiece

Press mold

100-mA Direct Switching for Built-in Application PL-5LN

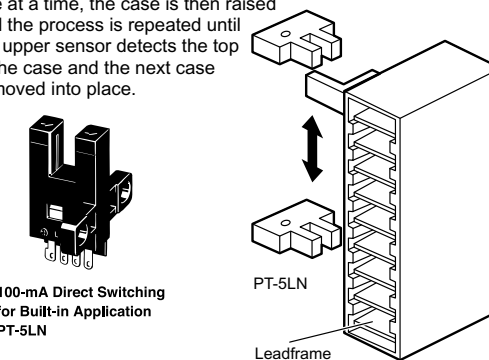
Upper and Lower Limit Detection of Press Molds

The upper and lower travel limits of press molds must be detected to properly time the movement of the leadframes and the press mold.



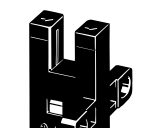
Position Detection for Leadframe Cases

First, the lower sensor detects the top of the case in which the leadframes are set. The leadframes are then taken out of the case one at a time, the case is then raised and the process is repeated until the upper sensor detects the top of the case and the next case is moved into place.



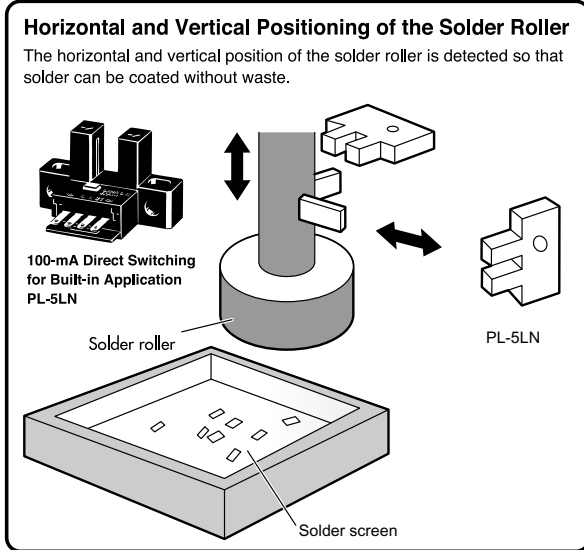
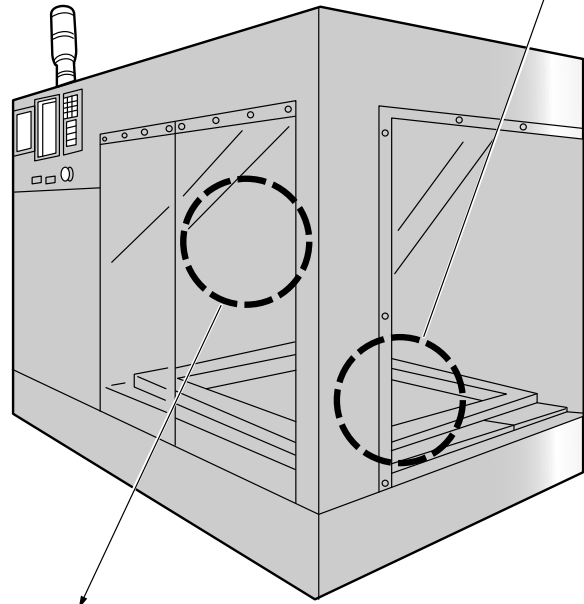
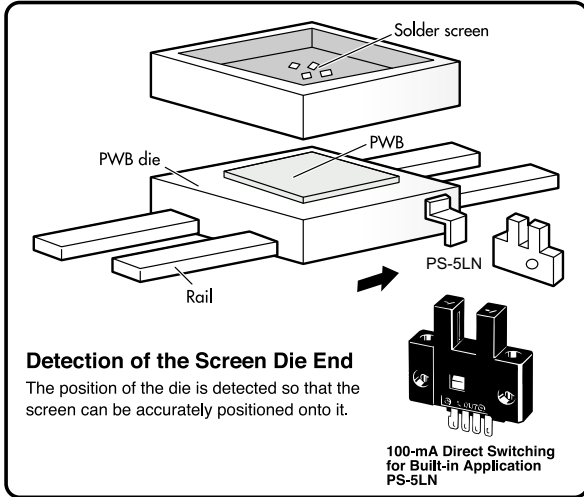
PT-5LN

Leadframe



100-mA Direct Switching for Built-in Application PT-5LN

These devices print a cream solder onto printer wiring boards before components are mounted.



These inspectors check all optical components, such as LEDs and phototransistors, and consist of both a parts feeder and devices that distinguish good components from damaged ones.

