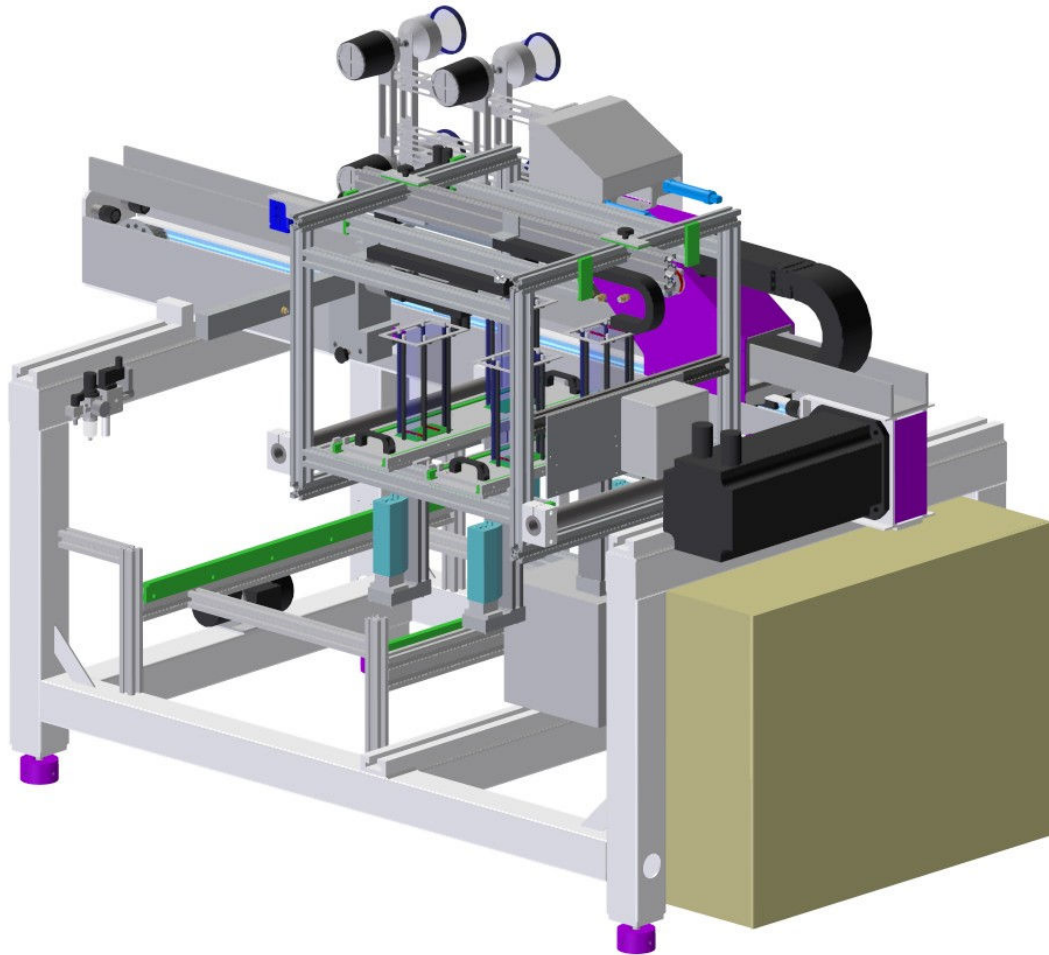


SIR 1013



Function SIR

The purpose of the SIR is to feed and position the labels into the mould of the injection moulding machine and simultaneously take out the finished products. The SIR was designed for speed and to be able to handle labels with a wide range of shapes, sizes and quantities (cavities) and is very suited for the production of high volumes at very short cycle times.

The SIR is equipped with a product set, if you wish to use the SIR with another product (and therefore another shape/size label) you will not need a new SIR, only a new product set.

Options

The SIR can be delivered with the following options:

- second robot arm for production with a stacked mould;
- telescopic robot arm for even higher speeds;
- a conveyor belt to put the finished products on;
- a stacking device to stack the finished products (in boxes);
- a vision quality control system with camera's.

Alternatives

For production where very high speeds are not necessary the LPS is especially suitable. The purpose of the LPS is to feed and position the labels for In-Mould Labelling (IML) with a traverse robot. The LPS was designed to be able to handle labels with a wide range of shapes, sizes and quantities (cavities) and is very suited for the production of smaller amounts of different products and/or production with higher cycle times.

Standard technical specifications

Dimensions

1250mm x 2525mm, height = 1750mm (without product set).

Label-area

The horizontal area available for the labels to be placed in is 500mm x 500mm. Label-area divided by the size per label gives you the maximum number of cavities possible with this size of label.

Speed

Maximum speed (empty) of servo driven robot arm approximately 9 m/s (32,4 km/h or 20,13 miles/h).

Acceleration

Maximum acceleration (empty) of servo driven robot arm approximately 10g (100 m/s²).

Control panel (touch screen)

Adjustable speed, positions, product set data and more.

Label-feed

One cassette filled with a number of stockpiled labels (depending on the number of cavities in the mould). The empty cassette has to be exchanged manually.

Cycle time

Estimated time take out only with 4-cavity mould; below 1 second.

Time for product set exchange

Approximately 120 minutes (also with stacked moulds).

Possible injection moulding machine

All globally well known brands are possible but also most other brands.

Air

The SIR needs 6 bar of dry clean air. A vacuum pump is included.

Power

380V.

Electro-static charge

To ensure that the labels, after having been placed into the mould, will stay on the designated place, an electro-static charge device is included.

**These specifications are standard and will fit most configurations.
If necessary, adjustments can be made to fit your exact needs.**

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