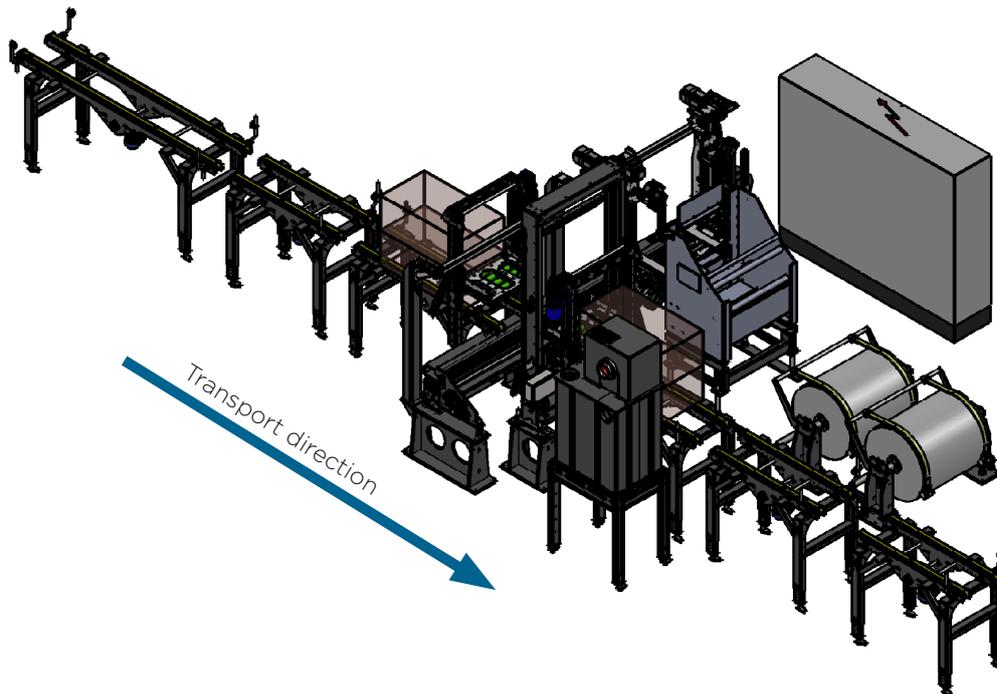# Inline packaging of rigid foam

Large Simplex S1-L

Primary packaging solution for packaging of rigid foam insulation panels

This RoRo StretchPack® solution is specified for a manu–facturer of rigid foam insulation panels. It is a "before end of line" inline solution for packaging of panels in different lengths and heights. The panels are packed in a tight tubular stretch film, with sealings in each ends creating a full waterproof six-sided packaging.

The solution packs batches of panels in the same size. During packaging, the panels are held together using top pressure rolls to avoid misalignment in the packaging process and to avoid slipping of the conveyor.

The solution can do single packaging or "semiflow" pac-kaging to increase packaging capacity up to 200 packs per hour in this specific customer application*).

The customer has decided that the film end at the back sealing should be cut off and the snip is removed by a vacuum unit. The solution line includes in- and outfeed conveyors, and two film stands to minimize the time for film change.

*) Higher capacity possible, please contact Tentoma.

Features and benefits

- Six-sided sealed packaging

- High uniformity and repeatability

- Automatic packaging and sealing in one operation

- Automatic packaging multiple product sizes

- Energy-saving technology - replaces heat shrink

- Film reductions by up to 60%

- Product size:
  W: 600 mm (Up to 1200 mm is possible)
  L: 1150 - 6.000mm
  H: 200 – 650mm
  Handling of other product sizes is possible

- Film snip is removed by vacuum unit

- High uptime - reduced number of film roll changes
  Up to 8 km of PE-film per film roll ø800 mm at 30μ,
  Up to 12 km of PE-film per film roll ø1000 mm at 30μ,

- Packaging with PE-film thickness 30-120μ

Packaging of rigid foam
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Machine specifications

- Film Unit L (100-10016)
- Main Frame S1 (110-10182)
- Gripper Unit L (110-10182)
- Back Sealing Unit L (100-10021)
- Infeed conveyor with top pressure rolls (CC03)
- Outfeed conveyor (CC02)
- 2 x film stand
- Vacuum unit
- Electrical cabinat with HMI

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