The photo shows a system equipped with options.

The photo shows the R-52S model.

The photo shows the R-35G model.

Servomotor-equipped machines

R-35S
R-36S
R-51S
R-52S

Rotary machines

R-35G
R-36G
R-51G
R-52G
Features

- The rotary system performs pouch forming, filling and sealing operations in a horizontal direction to achieve an ultra-fast packaging rate of 300 to 600 pouches per minute. Since a longer filling time can be provided, there is minimal biting of the filling product at the sealed areas. In addition, the sealing time can be extended and pinhole generation can be reduced.
- Use of the optional stacker allows connection of a cartoner, flow wrapper, banding unit and pouch filler.
- Various accessories and optional devices are available to meet specific packaging needs.

A wealth of new mechanisms

- Equipped with Topack’s proprietary servo system (patent pending) <S type>
  - The cutter-drive servomotor control minimizes the positional deviation of the cutter.
  - The top sealer drive servomotor control eliminates the need to change gears and numerical settings can be entered easily on the touch panel.
- Easy-to-operate touch panel <S type>
  - The standard 5.7-inch color touch panel displays auto-stop record and production control data.
- T-1 stacker (patent pending) <S type>
  - The servomotor-controlled elevation mechanism assures stable product stacking.
  - The number of stacking rows can be set easily on the touch panel.

- Digital print registration system (patented) Equipped on R-36S, R-52S, R-36G and R-52G
  - Easy operation with the touch panel.
  - All control information is displayed on the touch panel for real-time confirmation of numeric data.
  - The photo mark position can be changed with input of numeric data, thus allowing flexible adjustment of the seal position.
  - When the pitch control fails, the required amount of seal bar inward/outward movement is numerically displayed.
  - Stores data for up to 8 products.

- New automatic film splicer
  - Two film rolls mounted on the right and left sides allow uniform film tension for added stability in automatic film splicing operation.
  - The low film loading position enables the use of film rolls measuring up to 400 mm in diameter.
- Compact dimensions
  - The compact machine size requires about 20% less installation space than a conventional unit.
- New rotary mechanism (patent pending)
  - The seal bar cam and chute up/down cam feature Topack’s original cam profiles to allow precision processing.
  - Smooth rotation reduces operating noise and prolongs service life.
- Rotary disc shutter ON/OFF control (patent pending)
  - Movable shutter operating pins, operated by an air cylinder, are used in place of conventional fixed pins. All shutters remain closed whenever the rotary disc is not rotating.
  - When the rotary disc is turned on, the shutters open after synchronizing with the filling chute, then the filling operation starts.
  - When the rotary disc is shut off, all the shutters close, then the rotary disc stops. This minimizes splashing of the filling product.
- Magnetic discharge clipper (patent pending)
  - Magnets are used in the clipper in place of springs. When the clipper is open, no load is applied, thus reducing the stress on the clipper opening mechanism and turn section. The new system offers improved durability and also eliminates spring replacement.

High-speed filling and sealing mechanisms

- S-type machines are equipped with the T-1 stacker, which uses servomotor control for the elevation mechanism.
Main specifications of R-series S-type machines

<table>
<thead>
<tr>
<th>Model</th>
<th>Small pouch machine</th>
<th>Large pouch machine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print registration control</td>
<td>None</td>
<td>Provided</td>
</tr>
<tr>
<td>Filling capacity</td>
<td>0.5cc~20cc</td>
<td>0.5cc~50cc</td>
</tr>
<tr>
<td>Packaging speed</td>
<td>300 to 400 pouches/min (film speed: 28 m/min)</td>
<td>200 to 600 pouches/min (film speed: 42 m/min)</td>
</tr>
<tr>
<td>Pouch size</td>
<td>Width: 30 to 90 mm (specified) Length: 40 to 90 mm (specified)</td>
<td>Width: 30 to 110 mm (specified) Length: 40 to 125 mm (specified)</td>
</tr>
<tr>
<td>Machine dimensions</td>
<td>Approx. 2,500 (W) x 750 (D) x 1,950 (H) mm</td>
<td>Approx. 2,750 (W) x 880 (D) x 1,980 (H) mm</td>
</tr>
<tr>
<td>Machine weight</td>
<td>Approx. 1,800 kg</td>
<td>Approx. 2,500 kg</td>
</tr>
<tr>
<td>Power consumption</td>
<td>Approx. 5 to 7 kw</td>
<td>Approx. 6 to 8 kw</td>
</tr>
<tr>
<td>Compressed air consumption</td>
<td>Approx. 0.5 MPa · 100 liter/min (ANR)</td>
<td></td>
</tr>
</tbody>
</table>

- Specifications vary depending on the filling product, packaging material and pouch size.
- C-type machines are also available without the cutter and automatic film splicer.
- Machines with other specifications can also be manufactured.

Main specifications of R-series G-type machines

<table>
<thead>
<tr>
<th>Model</th>
<th>Small pouch machine</th>
<th>Large pouch machine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print registration control</td>
<td>None</td>
<td>Provided</td>
</tr>
<tr>
<td>Filling capacity</td>
<td>0.5cc~20cc</td>
<td>0.5cc~20cc</td>
</tr>
<tr>
<td>Packaging speed</td>
<td>300 to 400 pouches/min (film speed: 28 m/min)</td>
<td>200 to 600 pouches/min (film speed: 42 m/min)</td>
</tr>
<tr>
<td>Pouch size</td>
<td>Width: 30 to 90 mm (specified) Length: 40 to 90 mm (specified)</td>
<td>Width: 30 to 110 mm (specified) Length: 40 to 125 mm (specified)</td>
</tr>
<tr>
<td>Machine dimensions</td>
<td>Approx. 2,200 (W) x 710 (D) x 1,950 (H) mm</td>
<td>Approx. 2,500 (W) x 830 (D) x 1,980 (H) mm</td>
</tr>
<tr>
<td>Machine weight</td>
<td>Approx. 1,500 kg</td>
<td>Approx. 2,000 kg</td>
</tr>
<tr>
<td>Power consumption</td>
<td>Approx. 4 to 6 kw</td>
<td>Approx. 5 to 7 kw</td>
</tr>
<tr>
<td>Compressed air consumption</td>
<td>Approx. 0.5 MPa · 100 liter/min (ANR)</td>
<td></td>
</tr>
</tbody>
</table>

- Specifications vary depending on the filling product, packaging material and pouch size.
- C-type machines are also available without the cutter and automatic film splicer.
- Machines with other specifications can also be manufactured.

Required installation space (R-51S,R-52S)

- Figures in parentheses ( ) indicate installation space required by the R-35S, R-36S models.

Application examples
Powdered soup, seasonings, granulated sugar, coffee, powdered cream, tea bags, food supplements, powdered/granulated pharmaceuticals, desiccants, oxygen absorbers, food additives, bath agents.

Product samples

Line configuration
- R series + continuous pouch loader
- R series + continuous pouch winder
- R series + stacker + pouch filler
- R series + stacker + flow wrapping machine
- R series + stacker + cartoner
- R series + stacker + banding unit
- Various other lines can also be configured.

Film material and dimensions
- Heat-sealable laminated film
- Film roll outer diameter: 580 mm or less, diameter of core paper roll: 76 mm

Standard equipment
- Print registration system (R-36S, R-52S, R-36G, R-52G)
- Touch panel (S type)
- Automatic film splicer
- Film end detector
- Joined tape detector
- Empty pouch detector
- Preheating bar open-status detector
- Automatic preheating bar operating system
- Heater disconnection detector
- Overload detector
- Safety cover with auto-stop
- Hopper level sensor

Optional equipment
- Dust collector
- Counting and dividing unit
- Tear cutting unit
- Code printing unit
- Four-side sealing unit
- Adjustable volumetric controller
- Belt conveyor

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