TOPACK

Ultrahigh-Speed Three-Side-Seal Pouch Forming, Filling and Packaging Machines

RF-series C-type

NEW MODEL

Ideal for packaging noodle soup, chili powder, seasoning, ingredients, etc.

Application examples
- Noodle soup
- Chili powder
- Bouillon powder
- Powdered soup
- Seasoning
- Ingredients
- Desiccants
- Oxygen absorbers
- Food additives and others

The photo shows the RF-32C model. The photo shows the RF-65 model.

Main specifications of RF-series

<table>
<thead>
<tr>
<th>Model**</th>
<th>RF-35C</th>
<th>RF-36C</th>
<th>RF-51C</th>
<th>RF-52C</th>
<th>RF-57WC</th>
<th>RF-58WC</th>
<th>RF-66</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print registration control</td>
<td>None</td>
<td>Provided</td>
<td>None</td>
<td>Provided</td>
<td>None</td>
<td>Provided</td>
<td>Provided</td>
</tr>
<tr>
<td>Drive method</td>
<td>Gear motor drive</td>
<td>Servomotor drive</td>
<td>Gear motor drive</td>
<td>Servomotor drive</td>
<td>Gear motor drive</td>
<td>Servomotor drive</td>
<td>Servomotor drive</td>
</tr>
<tr>
<td>Filling capacity*</td>
<td>0.5–30cc</td>
<td>0.5–30cc</td>
<td>None Provided</td>
<td>None Provided</td>
<td>None Provided</td>
<td>None Provided</td>
<td>Provided</td>
</tr>
<tr>
<td>Packaging speed*</td>
<td>300 to 400 pouches/min.</td>
<td>300 to 600 pouches/min.</td>
<td>300 to 600 pouches/min.</td>
<td>350 to 650 pouches/min.</td>
<td>400 to 650 pouches/min.</td>
<td>400 to 550 pouches/min.</td>
<td>400 to 700 pouches/min.</td>
</tr>
<tr>
<td>Film speed: approx. 58m/min.</td>
<td>Film speed: approx. 78m/min.</td>
<td>Film speed: approx. 32m/min.</td>
<td>Film speed: approx. 38m/min.</td>
<td>Film speed: approx. 48m/min.</td>
<td>Film speed: approx. 56m/min.</td>
<td>Film speed: approx. 52m/min.</td>
<td>Film speed: approx. 60m/min.</td>
</tr>
<tr>
<td>Pouch size*</td>
<td>Width: 30 to 90mm (specified)</td>
<td>Width: 30 to 110mm (specified)</td>
<td>Width: 40 to 90mm (specified)</td>
<td>Width: 40 to 90mm (specified)</td>
<td>Width: 40 to 90mm (specified)</td>
<td>Width: 40 to 125mm (specified)</td>
<td>Width: 40 to 125mm (specified)</td>
</tr>
<tr>
<td>Machine dimensions</td>
<td>1,400(W)×700(D)×2,010(H)mm</td>
<td>1,400(W)×700(D)×2,010(H)mm</td>
<td>2,300(W)×900(D)×2,010(H)mm</td>
<td>2,300(W)×900(D)×2,010(H)mm</td>
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<td>2,300(W)×900(D)×2,010(H)mm</td>
</tr>
<tr>
<td>Machine weight</td>
<td>Approx. 1,500kg</td>
<td>Approx. 1,700kg</td>
<td>Approx. 1,000kg</td>
<td>Approx. 1,000kg</td>
<td>Approx. 1,000kg</td>
<td>Approx. 1,000kg</td>
<td>Approx. 1,000kg</td>
</tr>
<tr>
<td>Power consumption</td>
<td>Approx. 5 to 7kW</td>
<td>Approx. 6 to 8kW</td>
<td>Approx. 5 to 7kW</td>
<td>Approx. 6 to 8kW</td>
<td>Approx. 5 to 7kW</td>
<td>Approx. 6 to 8kW</td>
<td>Approx. 5 to 7kW</td>
</tr>
<tr>
<td>Compressed air consumption</td>
<td>Approx. 0.5Mpa·50 liter/min (ANR)</td>
<td>Approx. 0.5Mpa·100 liter/min (ANR)</td>
<td>Approx. 0.5Mpa·50 liter/min (ANR)</td>
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</tr>
<tr>
<td>Power source</td>
<td>200V·3-phase·50/60Hz</td>
<td>200V·3-phase·50/60Hz</td>
<td>200V·3-phase·50/60Hz</td>
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</tr>
</tbody>
</table>

* Specifications vary depending on the filling product, packaging material and pouch size.

** The RF-series C-type machine is not equipped with a cutter device.

Standard equipment
- Touch-panel
- Automatic film splicer
- Film and detector
- Joined tape detector
- Simply pouch detector
- Preheating bar open-status detector
- Heater disconnection detector
- Automatic preheating bar operating system
- Overload detector
- Safety cover
- Hopper level sensor

Optional equipment
- Dust collector
- Tear cutting unit
- Static elimination unit
- Adjustable volumetric controller
- Data collection system
- Electric oiling device

Film material and dimensions
- Heat-sealable laminated film
- Outer diameter of film roll: 400 mm or less, diameter of core paper roll: 76 mm

Wide variety of products available
TOPACK also manufactures numerous other mechanisms, including large-pouch packaging machines, multi-product packaging machines, vibration-feeder-equipped machines, and twin packaging machines.

Typical line configuration
Continuous pouch loader/continuous pouch winder/pre-made outer pouch packaging machine/stacker+horizontal pillow packaging machine/stacker+cartoning machine/stacker+banding machine and various other configurations are also supported.

Twin-packaging system suitable for a noodle soup manufacturing line
The RF-57WC and 58WC are twin-packaging machines. The twin-packaging system is capable of filling two separated pouches with different packaging materials (such as seasoning/soup powder and ingredients). This helps make production of noodle soup and similar products more efficient.

Example of twin-packaging line
RF-58WC + Pouch loader

The photo shows the RF-66 model.

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Modular design for flexible system configuration

TOPACK has developed a breakthrough packaging solution based on a modular design concept. Now, the packaging machine can be combined with downstream processing units in flexible packaging line systems that can be figured to meet specific needs.

The RF-series represents an upgrade to the R-series and allows combination with a variety of processing units in configuring diverse systems.

### Example of processing unit connection

#### Multiple-material mixing unit
Feed chutes located on the outside of the rotary disc allow mixing of a variety materials. The parts feeder (vibration-driven feeding equipment) continuously supplies a constant amount of ingredients. The unit can also add powder to ingredients for packaging.

#### Measuring unit
An impeller agitates the packaging material in the hopper, and the pipe feeder sends it into the bucket. Next, a load cell does the weighing, ensuring high accuracy in the amount of packaging material used.

#### Continuous pouching unit
Pouches are produced uncut from the packaging machine and sent on to a cartoning, winding, or cutting machine.

### New preheating bar with pressure adjustment function (patent pending)
The preheating bar operates pneumatically. The bar pressure applied onto the film can be adjusted.

### Die-roll adjustment control on machine front side (patented)
The vertical position and angle of the die-roll can be finely adjusted from the front side of the machine, improving the machine's overall operability.

### Oiling device
The machine incorporates an oiling device that supplies oil to the entire rotary bushing using oil cups for easier maintenance. The electric oiling device is available as an option.

### New automatic film splicer
This device uses vacuum suction for set film without the debris created by punching.

### Air shafts come standard
Air shafts come as a standard feature. They make film replacement easier.

### Large 8-inch touch-panel
Touch-panel control enables easy and accurate temperature adjustment and numeric input for setting parameters.

### Stainless steel cover comes standard

Improved operability and workability

By rethinking the entire machine from the design stage, TOPACK has made many improvements in operability. For example, the new series uses a carriage for film loading and incorporates a touch-panel. The machine is lower and smaller than the previous series. Its new cover offers higher visibility for easier operation, while the inspection window is designed to facilitate cleaning. A rotary disc removing lift is an available option.