

Automatic liquid and paste packaging machine

High Grade Model

**Multi-line** SERIES

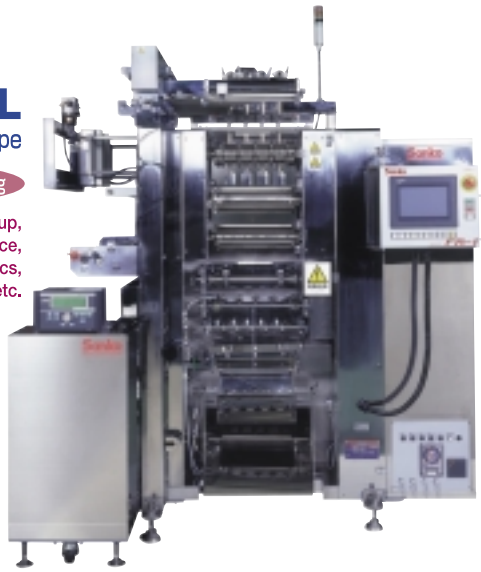
The packaging film is cut at the center, the back is placed against the back, and sealed together

**FR1-[ ]L**

:Multi-line type

Used for packaging

Mayonnaise, ketchup, soy sauce, sauce, cosmetics, shampoo, rinse, etc.



**MR6-[ ]L**

:Multi-line type

Used for packaging

Mayonnaise, ketchup, soy sauce, sauce, cosmetics, shampoo, rinse, etc.



	FR1-[ ]L	MR6-[ ]L
Standard configuration	<ul style="list-style-type: none"> <li>• Operation panel, touch panel type</li> <li>• Photocell type pattern matching device</li> <li>• Film joint detector</li> <li>• Film end stop device</li> <li>• Heater for second horizontal sealing roll</li> <li>• Packaging film braking unit</li> <li>• I-notching device</li> <li>• Cutter device</li> <li>• Packaging film shaft forward-backward moving device (operated by operation panel)</li> <li>• Air expelling roll</li> <li>• Safety devices (Interlocks for safety)</li> <li>• Product carry-out guide</li> <li>• Packaging film pull-out roll (non-slip type)</li> <li>• Vertical slitter</li> <li>• Packaging film wobble corrector</li> </ul>	<ul style="list-style-type: none"> <li>• Photocell type pattern matching device</li> <li>• Film joint detector</li> <li>• Film end stop device</li> <li>• Heater for second horizontal sealing roll</li> <li>• Packaging film braking unit</li> <li>• I-notching device</li> <li>• Cutter device</li> <li>• Packaging film shaft forward-backward moving device (operated manually)</li> <li>• Air expelling roll</li> <li>• Safety devices (Interlocks for safety)</li> <li>• Product carry-out guide</li> <li>• Packaging film pull-out roll (non-slip type)</li> <li>• Vertical slitter</li> <li>• Packaging film wobble corrector</li> </ul>
Items whose data are stored in the memory	1. Bag length 2. Packaging speed 3. Sealing temperature 4. Sealing pressure 5. Volume to be sealed in (Number of revolutions) Patent No. 62134 6. Marking position 7. Marking ON/OFF 8. Cutting position 9. Position of perforation 10. Position of I-notch 11. Number of run of products in one cut 12. Position of printing 13. Timing of various operations, and other 30 items in total.	1. Bag length 2. Packaging speed 3. Volume to be sealed in (Number of revolutions) Patent No. 62134 4. Marking ON/OFF 5. Cutting position 6. Position of perforation 7. Position of I-notch 8. Number of run of products in one cut 9. Timing of various operations, and other 30 items in total.
Options	<ul style="list-style-type: none"> <li>• Perforation device</li> <li>• Packaging film shortage warning device</li> <li>• Packaging film section cover</li> <li>• Automatic removal device (At the starting time)</li> <li>• Preset number divider</li> <li>• Preset number shutter</li> <li>• Bottle shape sealing device</li> <li>• Stamping device</li> <li>• Remaining packaging film indicator</li> <li>• Leakage detector</li> <li>• Jammed horizontal seal detector</li> <li>• Nozzle cooling device</li> <li>• Thermal printer</li> <li>• Ink jet printer</li> <li>• Hot roll printer</li> <li>• Mono-pump</li> <li>• Rotary pump</li> <li>• Cascade pump</li> <li>• Hyper pump</li> <li>• High-speed intermittent pump (servo-type)</li> <li>• Agitator</li> <li>• Packaging film UV sterilizing device (Effective up to 10 m/min)</li> <li>• Clean booth</li> <li>• Warning light</li> <li>• Main frame</li> <li>• Cooling blower</li> <li>• Air compressor</li> <li>• Air dryer</li> </ul>	<ul style="list-style-type: none"> <li>• Perforation device</li> <li>• Packaging film shortage warning device</li> <li>• Packaging film section cover</li> <li>• Automatic removal device (At the starting time)</li> <li>• Preset number divider</li> <li>• Preset number shutter</li> <li>• Bottle shape sealing device</li> <li>• Stamping device</li> <li>• Remaining packaging film indicator</li> <li>• Leakage detector</li> <li>• Jammed horizontal seal detector</li> <li>• Nozzle cooling device</li> <li>• Thermal printer</li> <li>• Ink jet printer</li> <li>• Hot roll printer</li> <li>• Mono-pump</li> <li>• Rotary pump</li> <li>• Cascade pump</li> <li>• Hyper pump</li> <li>• High-speed intermittent pump (servo-type)</li> <li>• Agitator</li> <li>• Packaging film UV sterilizing device (Effective up to 10 m/min)</li> <li>• Clean booth</li> <li>• Warning light</li> <li>• Main frame</li> <li>• Cooling blower</li> <li>• Air compressor</li> <li>• Air dryer</li> </ul>
Features	<ul style="list-style-type: none"> <li>◆ This machine is used only for 4-side sealing of mayonnaise, shampoo, etc.</li> <li>◆ Maintaining the operability of the FR-1, packaging capacity of 1000 bags per minute max. has been achieved by the multiple row packaging.</li> <li>◆ Packaging film is pulled out using non-slip roll, and so mismatch of marking is very little. (Only ±1 mm according to actual measurement by this company.)</li> <li>◆ A heater is built in the second horizontal sealing roll, therefore material that is prone to generate bubbles such as oil and vinegar can be sealed in steadily.</li> </ul>	<ul style="list-style-type: none"> <li>◆ This machine is suitable for packaging shampoo, cosmetics, etc.</li> <li>◆ Packaging film is pulled out using non-slip roll, and so mismatch of marking is very little. (Only ±1 mm according to actual measurement by this company.)</li> <li>◆ A heater is built in the second horizontal sealing roll, therefore material that is prone to generate bubbles such as oil and vinegar can be sealed in steadily.</li> </ul>

**Specifications**

Model	FR1-[ ]L * [ ] denotes number of rows. Four-side sealing only.	MR6-[ ]L * [ ] denotes number of rows. Four-side sealing only.
Bag length	45 to 105 mm, 50 to 145 mm, 60 to 200 mm	45 to 120 mm, 50 to 180 mm
Film width	640 mm max.	640 mm max.
Packaging speed	30 to 400 bags/min. per line × Number of line	30 to 120 bags/min. per line × Number of line
Packing volume	Varies depending on the number of line	Varies depending on the number of line
Diameter of packaging film	φ 450 mm	φ 350 mm
Dimensions	1,905 wide × 1,145 deep × 2,044 high (mm) (Varies depending on the specifications)	1,700 wide × 1,250 deep × 1,830 high (mm) (Varies depending on the specifications)
Weight	1,500 kg	1,200 kg
Power supply	3-phase, 200 VAC, 50/60 Hz (10 kW at peak, 5 kW on the average)	3-phase, 200 VAC, 50/60 Hz (4.8 kW at peak, 4 kW on the average)
Air consumption	0.5 MPa, 150 NL/min.	—

\*Actual packaging speed varies depending on the packaging film, and quantity and property of material to be sealed in. \*The range of quantity of material to be sealed in varies depending on delivery of the pump.