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SR Series of Non-PVC Soft Bag IV-Solution Production Line
SR Series of Non-PVC Soft Bag IV-Solution Production Line

SR series Non-PVC soft bag IV-solution production line is the highest efficiency product line, which is compiling all most advanced technique, it is the upgrading and updating products for existing IV-solution production line. Can finish such procedure as printing word, bag-making, bag-filling and sealing.

Contrast the same kind of products in country it has much significant advantage:

2. For patent design, the production line becomes bag making, filling and sealing integrated machine its length is compressed 1/3, the area of workshop and air conditioner purify are decreased 1/3, so it can decrease the investment cost and use cost in furthest.
3. Because taking off the bag cross-connecting procedure, the reliability of production line can be raised more.
SR Series of Non-PVC Soft Bag IV-Solution Production Line

Main Characteristic

- Applying the advanced technology, it has reasonable structure and stable, reliable feature.
- Chinese touch screen operation, aptitude control. Time, temperature, pressure and filling meter, etc. Parameter can be setting and monitoring by computer.
- The machine memory is very strong. Aims at different film material, user can storage the practice welding parameter, when changes film it can be used directly.
- It can set automatic start; make the machine warm-up, in order to guarantee enough running time.
- The filling system adopts mass flowmeter to metering, high precision and wide range for filling quantity, and can realize CIP/SIP.
- It has high arranges. The servo system, PLC, pneumatic elements and so on, are complete select and use international brand, assure to run in steady and reliable.
- Its structure is unique, and the produce efficiency is high, it can produce 12,000 single chamber or 7,000 multi-chamber soft bags every hour.
- For patent design, The production line becomes bag making, filling and sealing integrated machine ist length is compressed 1/3, the area of workshop and air-conditioner purify are decreased 1/3, so it can decrease the investment cost and use cost in furthest.
### SR Series of Non-PVC Soft Bag IV-Solution Production Line

#### Main Parameters

<table>
<thead>
<tr>
<th>Type</th>
<th>SRD1A/1200</th>
<th>SRD2A/2500</th>
<th>SRS2A/2500</th>
<th>SRD3A/3800</th>
<th>SRS3A/3800</th>
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</thead>
<tbody>
<tr>
<td>Max. Productivity</td>
<td>1200 bags/h</td>
<td>2500 bags/h</td>
<td>2500 bags/h</td>
<td>3800 bags/h</td>
<td>3800 bags/h</td>
</tr>
<tr>
<td>Capcity</td>
<td>100 ml, 250 ml, 500 ml</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q’ty cycle</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Interface Methods</td>
<td>Boat interface</td>
<td>Boat interface</td>
<td>Double tube interface</td>
<td>Boat interface</td>
<td>Double tube interface</td>
</tr>
<tr>
<td>Color ribbon dim</td>
<td>The standard ribbon with inner diameter 3 inch and outer diameter smaller than 140 mm.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Film dimension</td>
<td>The standard film with inner diameter 6 inch and outer diameter smaller than 600 mm.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Printing</td>
<td>Hot sheet thermoprint; single color; production date, validity and approval number are simultaneously printed and easily changed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power source</td>
<td>3 Phases 380V 50Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>8KW</td>
<td>22KW</td>
<td>22KW</td>
<td>26KW</td>
<td>26KW</td>
</tr>
<tr>
<td>Compressed air pressure</td>
<td>Dry and oil free compressed air, the cleanliness is 5 μm, the pressure is over 0.6 Mpa, automatically stop and warning signals when it is too low.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressed air consumption</td>
<td>1,000 L/min</td>
<td>2,000 L/min</td>
<td>2,200 L/min</td>
<td>2,500 L/min</td>
<td>2,600 L/min</td>
</tr>
<tr>
<td>Clean air pressure</td>
<td>Near air with over 0.4 Mpa pressure and 0.22 μm cleanliness.</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean air consumption</td>
<td>500 L/min</td>
<td>800 L/min</td>
<td>600 L/min</td>
<td>1,000 L/min</td>
<td>800 L/min</td>
</tr>
<tr>
<td>Cooling water pressure</td>
<td>&gt;0.5 Kgf/cm²</td>
<td>&gt;0.5 Kgf/cm²</td>
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<td>&gt;0.5 Kgf/cm²</td>
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<tr>
<td>Cooling water consumption</td>
<td>100 L/h</td>
<td>150 L/h</td>
<td>100 L/h</td>
<td>200 L/h</td>
<td>150 L/h</td>
</tr>
<tr>
<td>Nitrogen consumption</td>
<td>It can be protected with 0.6 Mpa nitrogen according to special requirements; the consumption is below 45 L/min.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noise</td>
<td>&lt;75 dB</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Room requirements</td>
<td>The temperature of environment: 26°C, humidity: 45% - 65% max 85%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall size</td>
<td>4.2m x 2.1m x 2.1m</td>
<td>5.6m x 2.1m x 2.1m</td>
<td>8m x 2.97m x 2.1m</td>
<td>6.5m x 2.35m x 2.1m</td>
<td>9.8m x 2.97m x 2.1m</td>
</tr>
<tr>
<td>Reference dimension</td>
<td>5.2m x 4.1m x 2.4m</td>
<td>6.6m x 4.1m x 2.4m</td>
<td>9m x 5m x 2.4m</td>
<td>7.5m x 4.5m x 2.4m</td>
<td>11m x 5m x 2.4m</td>
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<td>Weight</td>
<td>3.5 T</td>
<td>6 T</td>
<td>7 T</td>
<td>7 T</td>
<td>8.5 T</td>
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</table>

*Auxiliary Equipment: soft bag dryer, leak detector, conveyer, pillow packing machine, case packer, sealing machine.*
# SR Series of Non-PVC Soft Bag IV-Solution Production Line

## Renewal Table

<table>
<thead>
<tr>
<th>Type</th>
<th>SRD4A/5000</th>
<th>SRS4A/5000</th>
<th>SRD6A/7500</th>
<th>SRS6A/7500</th>
<th>SRD12A/15000</th>
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<tbody>
<tr>
<td>Max. Productivity</td>
<td>5000 bags/h</td>
<td>5000 bags/h</td>
<td>7500 bags/h</td>
<td>7500 bags/h</td>
<td>15000 bags/h</td>
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<tr>
<td>Capacity</td>
<td>100 ml, 250 ml, 500 ml</td>
<td>50 ml, 100 ml, 250 ml, 500 ml</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q’ty cycle</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>Interface Methods</td>
<td>Boat interface</td>
<td>Double tube interface</td>
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<tr>
<td>Power</td>
<td>30KW</td>
<td>28KW</td>
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<td></td>
<td></td>
<td></td>
</tr>
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<td>3,000 L/min</td>
<td>3,800 L/min</td>
<td>4,000 L/min</td>
<td>4,200 L/min</td>
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<td></td>
<td></td>
</tr>
<tr>
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<td>1,200 L/min</td>
<td>1,200 L/min</td>
<td>2,000 L/min</td>
</tr>
<tr>
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<td>&gt;0.5 Kgf/cm²</td>
<td>&gt;0.5 Kgf/cm²</td>
</tr>
<tr>
<td>Cooling water consumption</td>
<td>300 L/h</td>
<td>250 L/h</td>
<td>400 L/h</td>
<td>300 L/h</td>
<td>800 L/h</td>
</tr>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall size</td>
<td>8.5m x 2.7m x 2.1m</td>
<td>11.8m x 2.97m x 2.1m</td>
<td>9.9m x 2.55m x 2.3m</td>
<td>14m x 2.97m x 2.1m</td>
<td>9.9m x 4.4m x 2.3m</td>
</tr>
<tr>
<td>Referense dimension</td>
<td>10m x 4.7m x 2.44m</td>
<td>13m x 5m x 2.4m</td>
<td>11m x 4.7m x 2.6m</td>
<td>15m x 5m x 2.4m</td>
<td>11m x 6.5m x 2.6m</td>
</tr>
<tr>
<td>Weight</td>
<td>10 T</td>
<td>10 T</td>
<td>10 T</td>
<td>12 T</td>
<td>14 T</td>
</tr>
</tbody>
</table>

Auxiliary Equipment: soft bag dryer, leak detector, conveyer, pillow packing machine, case packer, sealing machine.
SR Series of Non-PVC Soft Bag IV-Solution Production Line

Main Characteristic

Used for the automatic filling of 50-5,000ml conventional infusion, special infusion, flushing/urination, parenteral nutrients, antibiotic and special medicine.

The automatic Non-PVC Soft Bag IV-solution Production Line, which can realize the integration of bag-making, filling and sealing, is the result of our years of experience and built on the basis of absorption of the same kind of equipment technique from both home and abroad. This production line is made up of two parts, that is bag-making and filling & sealing, which including the mechanisms of automatic film-sending, words-printing, fashioning, one-time crater tube, two-time crater tube, bag cooling & separating, port funnel-fixing clip reversing, port funnel sending, port funnel pre-heating, main tran sporting, filling pipeline, CIP/SIP system, bag pressuring, cap-sending set, heating set, emptying set, bag coming-out set, bag coming-out track and automatic control, etc. It can finish the processes of automatic film-sending, words printing, automatic port funnel sending, port funnel pre-heating, hot seal fashioning, port funnel welding, bag separating, bag transposition, filling, automatic cap-sending and heating & sealing, etc. It is so intelligent that it can realice 1) halting machine without film, bag mouth, ribbon and set pressure; 2) no enough set temperature no startup; 3) no hag no filling, cap-taking, sealing; 4) soft boot, adjustable filling quantity and CIP/SIP. It also features in short length, small oversize, simple structure, delicate modeling, high automation, stabilization, reliability and high efficiency more over, equipments such as conveyor, upping & discharging sterilizing carriage, sterilizing machine, drier, leak detector, lamp checking machine, case packer and so on can be supplied according to the users’ Requirements.
SR Series of Non-PVC Soft Bag IV-Solution Production Line

Double hose soft bag production line
SRJ Leak Detector

Main application

It can finish the preliminary checking that the quality of production welding is perfect or not. Adopts the means of pressure checking It will own simple structure. Easy operation and the pressure and speed of leak detecting can be adjusted.

Main technique parameters

- Electron speed regulate range: 0-120 round/min
- Gas consumption: 0.2 m³/hour
- Pressure: 0.4 - 0.6 /Mpa
- Power: 40 w
SRSD Bag Upping Machine and SRXD bag Discharging Machine

Main application

SRSD bag upping machine and SRXD bag discharging machine can finish the auto lifting of sterilizing carriage, the tray in carriage can be tracked out or pushed into the sterilizing carriage airily. When bags will be pushed into sterilizing carriage, the operator just need put the finished soft bag upon tray. When bags will be discharged from sterilizing carriage, the operator just need take the sterilized bags from tray, and then enter next procedure The structure of his machine is simple, and operate easily, can save time and power.

Main technique parameters

- Operations Area: 1100mm x 1100mm x 800mm
- Hydraulic Pressure Platform: 1240mm x 1250mm x 1300mm
- Power: 3.0 kw
### SRPD Belt Conveyor

**Main application**

It can finish the production's intermediate transferring. It has simple structure, easy operation, high efficiency and saving labor.

**Main technique parameters**

- Width: 100-800 mm
- Power: 0.37 kw
- Speed: 0.1-0.5 m/s

![SRPD Belt Conveyor Image](image1)

### SRPD Lam Checking Machine

**Main application**

It can finish the production's intermediate transferring. It has simple structure, easy operation, high efficiency and saving labor.

**Main technique parameters**

- Width: 0.1-0.5 m/s
- Single Station Fluorescent Light Power: 20 w
- Operations Area: 800mm x 700mm x 800mm

![SRPD Lam Checking Machine Image](image2)
Sterilization automatic cycle system

Characteristic

1. Decrease the process of human contacts with the medicine, ensures the safety of the medicine.
2. Greatly reduce manpower, reduce labor intensity, increase automation, improve corporate image.
3. The infusion products conveyed fluently, correct position, the connection and the convey of different parts is correct and accurate.
4. Accurate and stable operation
5. Coordination in automatic loading and unloading, product is put neatly
6. Control system and monitoring use PLC control, reliable and easy to operate, automatic running in working process.
7. Sterilization cart operates smooth, stop bit accurate, coordinate in every process under the system control, high production efficiency.

Rotated reversing machine

Mainly used for direction changing for the sterilizing carts during the conveying. Through the motor drive the gear, make the conveying direction do the 90 degrees or 180 degrees change.

Top up for the machine

Mainly used for direction changing for the sterilizing carts during the conveying. Contains a set of chain conveyor and a set of liftable roller conveyor, the two conveyor conveying direction at a right angles. The sterilizing car firstly on a chain conveyor and after right place, the chain conveyor stops, and the lifting device uplift, convey the cars from the chain conveyor, and then start the roller conveyor to convey the cars out. Control the outlet direction by the controlling the positive and the negative rolling of the roller conveying motor.
Sterilization automatic cycle system

Main technical parameters

- Production capacity: glass bottles: 100-600 bottle/minute, soft bags: 50-400 bags/hour.
- Production specifications: 50ml, 100ml, 250ml, 500ml, 1000 ml.
- Electric Capacity: about 40kw, 380v 50Hz AC (confirm to the specific floor plan).
- Compressed air: about 1000 L/H, pressure: 6Bar (dry with no oil).
- Noise: max 75 dB
- Height: same level with the cabinet of the sterilizer (about 700mm).
- Material: the parts contact with the sterilizing trays is made of stainless steel, the rest parts are all international standard material with anti-rust treatments.
- Dimensions: According to the dimension of the floor plan.

Chain conveyor

The device is mainly used for the convey of the sterilizing carts. By motor driving chain, and the carts is put on double roll stainless steel chain, there are protective railings on both sides, sterilization carts start and stop with a test switch, stop bit accurate.

Roller conveyor

Mainly used for the conveying for the heavier carts and the conveying of the outlet section. By motor drive roller, and drive the sterilizing cart moving through the rollers rolling. Sterilizing carts start and stop with a test switch, stop bit accurate.
Sterilization automatic cycle system

**Automatic bottle loading machine**

Mainly used for automatically package the glass bottles after capping to the sterilizing cars. Loading bottles with high efficiency, reduce labor and labor intensity.

**Automatic bottle unloading machine**

Mainly used for the unloading of the sterilized glass bottles to the bottle feeding table, and conveying the bottles from the table to the lamp checking machine. Unloading bottles with high efficiency.

**Automatic sterilizing tray removing (folding) machine**

Mainly used for sterilizing trays remoying from the sterilizing system and folding together.

**Automatic bag machine**

Mainly used for soft bag automatic loading into trays before sterilizing. By the way of throwing bags, load soft bags into the sterilizing tray. Bags neatly placed, high degree automation, putting bags with high efficiency, save labor and reduce labor intensity significantly.

**Automatic bag uploading machine**

Mainly used for soft bag automatic unloading from trays after sterilized, by rotate pouring bags, put the bags onto a wide conveying belt, high degree automation, unloading bags with high efficiency, save labor and reduce labor intensity significantly.
ZB450 Auto Pillow Packing Machine

Automatic bottle loading machine

ZB450 auto pillow packing machine can finish the fashioning, wrapping, peripheral sealing and cutting of tubular rolled film. Let's suitable for the external packaging of soft bag IV-solution and plastic bottle, also includes the food packing, such as instant noodles, biscuit, bread, etc. As well as the packing of cosmetics, commodity, industry packs an so on chemical products. This machine is applied in extensive, only through easy adjusting can pack different production It adopts man-machine interface operation. All control element are import products. Its operation is simple and convenient; the performance is stable and reliable.

Main Technique Parameters

- The Max. width of packaging material: 90-400 mm
- Size of fashioning package: L90-400 W10-150 H15-60
- Motor Power: 0.75 Kw
- Gross Power: 2.0Kw
- Power: 220V 50Hz
- Production Ability: 30-200 bags/min
- Overall Size: 5100mm x 900mm x 400mm
- Electrothermal Power: 1.25Kw
- Gross Weight: 1,000 Kg
SRGZ Soft Bag Drying Machine

Main application

It can dry-out the water film and water drop that is left over the surface of sterilized production automatically. There is much function of this machine: simple structure, sweeping drying, strong applicability, etc. Another this machine set some adjustable function as the speed of mainframe.

Main Technique Parameters

Production Ability: 1,000-10,000 bags/hour
Power: 380V 15.75-60.75 Kw
Cyclic Time: 3-6 Min.
Overall Size: 4000mm x (950-1300)mm x 1300mm
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