

## SFS-60P

Automatic Soft-tube Filler & Ultrasonic Sealer



Safety acrylic hood

Stainless housing

Computer program control

Automatic tube orientation



Color Touch Screen HMI is installed; operation is easier. All setting and parameters are input through the HMI screen. Required information ; such as monitoring data and malfunction messages; are also shown on this screen.

STRONG ultrasonic sealing unit is adopted on this machine. No heat radiation during sealing process, fillers are not damaged by high temperature, so Ultrasonic sealing is more suitable for biotechnical products. For better output, Switzerland-made ultrasonic units are for choice.

Tube Orientation is integrated into this model. Due to this new function, production speed and evenness can be improved. The Mark Sensor is adjustable for packaging different tubes. Tube rotation is driven by Step Motor beneath tubes, the surface of tubes are not wear out easily.

### Suitable tubes:

This machine can seal PE tubes, laminated plastic tubes and laminated aluminum tubes.  
Max. height of tube: 220mm. Tube diameter : 10~50mm.

### Features:

1. Tubes are fed onto the tube holders of the rotary table by the operator. Tube Orientation, Filling, Sealing, Batch Typing, Tube end Cutting, and Ejecting processes are automatic operations.
2. The filling and sealing machine are separated. For packaging several kinds of products, it is recommended to purchase several filling machines to save more time to clean the contact parts of filling units. Filling materials in high viscosity (such as filler with salt, grease, and cream etc.) is also suitable to package by this equipment.
3. The ultrasonic sealing is to seal the tubes with instant oscillation energy, thus it will not damage or affect the chemical composition of the filling materials. If the sealing area is dirty, oily or glued with the filling materials, the tube sealing can also be made (for hot air sealing, if the tube is oily or glued with filling materials, the tube can not be sealed)
4. Switzerland made ultrasonic sealing units are adopted. Both 20kHz and 35kHz ultrasonic oscillation units are suitable for such application.
5. All parts contact with filling materials are made of stainless steel SUS 316.
6. The main drive system is a speed variable motor and equipped with a precise indexer of 12 working stations. 12 tube holders for easy and convenient operation, and the replacement of the tubes of different tube diameter as well as the replacement of the tube holders can be completed within 5 minutes.
7. The filling nozzle is equipped with suction back devices, so that the filler can be avoided to touch the tubes. Tolerance of filling volume in full stroke:  $\pm 1-2\%$ .
8. Three different filling cylinders are available to facilitate the changeover of producing products with different filling volumes. The filling device is equipped with a stainless housing, full-closed type for dust-free operation.
9. Optional devices for your selection:
  - 1) Speed adjustable mixer with stainless fins for filling hopper
  - 2) Double-layer filling hopper with heating device and digital temperature controller.
  - 3) Dripping-free filling nozzles for fluent filling materials such as lotions.
  - 4) Refill pump and refill controller (liquid level sensor adopted) for filling hopper
  - 5) Different filling nozzles for smaller or larger filling volumes.
  - 6) Precise ascending & descending device for filling.
  - 7) Automatic tube feeder.
  - 8) Tube cleaning device (Blow and Vacuum).

### Basic equipment and requirements:

1. Main drive motor: Speed adjustable motor.
2. Power Source: 220V x 1P x 50/60Hz.
3. Air Consumption: 5~8 kg/cm<sup>2</sup>, 250L/min., Air Compressor with Dryer.
4. Basic equipment: Tube holders x 12pcs.; Steel types 0~9 x 1 set; Ultrasonic sealing tools (horn and fixture) x 1 set; Toolbox and Operation manual.
5. Working environment: A clean working room, temperature approx. 20 °C.
6. Additional cooling device: air cooling or water cooling unit is for option.

### Specification: (We reserve the right for modification)

Model	Generator	Frequency / Output	Capacity	N.W./ G.W.
SFS-50P	STPG-2020 STPG-2025	20kHz/ 2000W 20kHz/ 2500W	10~30 pcs./min.	340kg/ 500kg
RSFS-60P	C20-1000 C20-1500 C20-2000 C35- 900	20kHz/ 1000W 20kHz/ 1500W 20kHz/ 2000W 35kHz/ 900W	10~30 pcs./min.	340kg/ 500kg

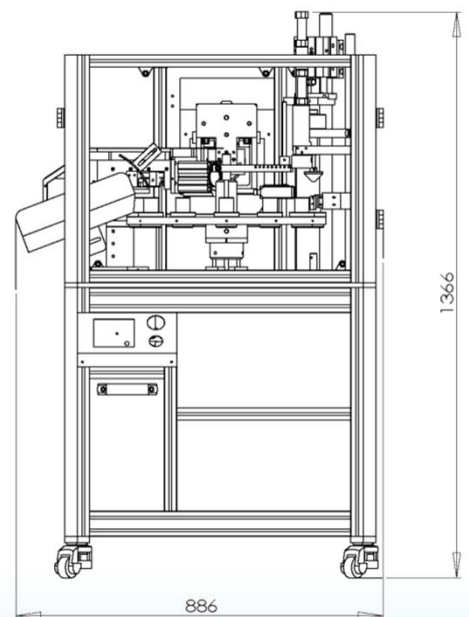
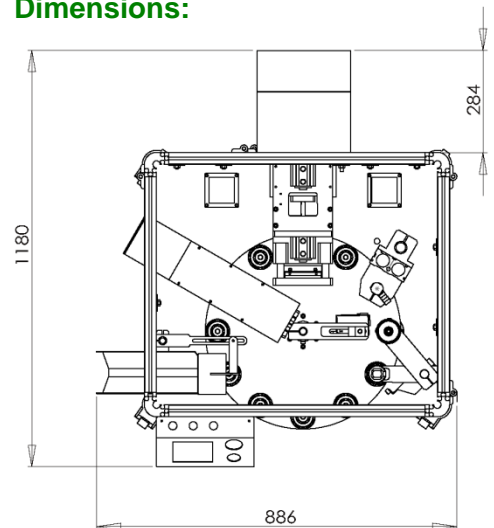
### Products:

Toothpaste, medical paste, make-up creams, face cream, shampoo, glues, watercolor, jams, chocolate, instant glues, food additives, mustard, biotechnical products, and heat-sensitive products etc.

### Double Layer Heating Hopper:



### Dimensions:



## 強榮超音波機械有限公司 STRONG ULTRASONIC MACHINERY CO., LTD.

242台灣新北市新莊區新樹路288-21號

No.288-21, Xinshu Rd., Xinzhuang Dist., New Taipei City 242, Taiwan.

TEL: 02-2203-6999 FAX: 02-2206-5588

Email: strong66@seed.net.tw Website: www.st-rong.com