

JTU

With the all-in-one error-proof

SS SERIES SOLDER PASTE MANAGEMENT

it's time to bid farewell to wastage and headaches.



- ⚙️ All-in-one
- ⚙️ Full automation
- ⚙️ Full traceability
- ⚙️ Quality & quantity control
- ⚙️ Industry 4.0 ready

TRADITIONAL STORAGE PAIN POINTS

Quality Challenges

Affected solder paste texture results in bad printing, soldering & low quality of end products.

Tracking Difficulties

Lack of stock control & records lead to production down, expired and wastage of solder paste.

The real foundation of SMT printing quality — THE SOLDER PASTE



How to Solve the Pain Points with SS Series?



QUALITY ASSURANCE



AUTOMATED HANDLING PROCESS

- ⚙ All-in-one fully automatic system from entry to retrieval
- ⚙ Thawing & stirring processes adhere to pre-set parameters
- ⚙ No manual errors, consistent quality



WELL-CONTROLLED STORAGE CONDITIONS

- ⚙ Industrial refrigeration system designated for large-scale cooling
- ⚙ Maintain low temperature environment even if any power outage



EXPIRATION MONITORING SYSTEM

- ⚙ First-Expired-First-Out (FEFO) mechanism to minimize waste due to expiry
- ⚙ Prioritize used solder paste before new jar
- ⚙ Expiry reminder alarm



FULL TRACEABILITY



24/7 ACTIVITY LOG

- ⚙ Automatic code reading of every jar upon entry to register
- ⚙ Real-time tracking & record throughout the lifecycle of solder paste
- ⚙ Providing real-time insights into usage history



INTELLIGENT INVENTORY MANAGEMENT SYSTEM

- ⚙ Various smart production modes: Daily / Reservation / Refrigeration
- ⚙ Automatic replenishment for thawing zone
- ⚙ Low stock alert to ensure constant supply



MES READY (INDUSTRY 4.0)

- ⚙ Ready with standard format of activity data to post for traceability
- ⚙ Customized advanced functions according to production requirements (Optional)

ADDITIONAL HIGHLIGHTS

Industrial Refrigeration System

With special insulation layer. Maintain low temperature storage environment even if any power outage.



Flexible Configuration

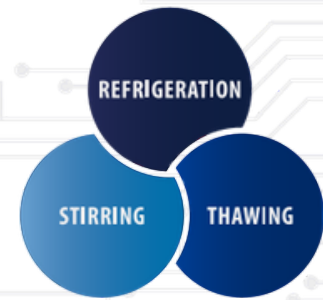
Storage structure can be customized to accommodate different materials' packaging, allowing mixed storage. (Optional)

Rotary Storage Design

Less maintenance than drawer-type storage design. Suitable for large-scale refrigeration requirements in SMT industry.

Secure Loading System

Dedicated slots for each solder paste jar reduce risk of drops, slants, or toppling over compared to belt-type loading system.



ALL-IN-ONE

Fully Automatic Solder Paste Management System

SPECIFICATION

MODEL	SS-80S	SS-176M	SS-430L
GENERAL			
Dimensions: L x W x H	1,300 x 1,000 x 1,850 mm	1,450 x 1,450 x 1,800 mm	1,800 x 1,700 x 2,000 mm
Weight	Approx. 700 kg	Approx. 1,200 kg	Approx. 1,600 kg
Power	1.2 kW	1.8 kW	2.5 kW
Air supply pressure & consumption		0.5 - 0.6 MPa, 15 L/min	
Power supply		Single phase, AC 220 V	
Operating system		PC (Windows 11)	
PERFORMANCE			
Storage/Refrigeration capacity	80 jars	176 jars	430 jars
Thawing capacity (Including thawing & waiting for retrieval)	8 jars	42 jars	70 jars
Maximum feeding quantity	6 jars at once	32 jars at once	50 jars at once
Applicable solder paste packaging		500 g jar	
Applicable solder paste packaging dimension	Lid diameter: 64-68 mm; Body height: >55 mm; Bottom diameter: 58-61.5 mm; Total height: <79 mm		
Code reading method		Automatic	
Code reading position		Lid (top) / jar body (side)*1	
Code type		2D code	
Refrigeration temperature		1 - 10°C (Uniformity ± 3°C)	
Thawing temperature		18 - 28°C (Room temperature)	
Stirring capacity		Half jar, 1 jar or 2 jars simultaneously	
STANDARD FEATURES			
	(S: Standard; X: Not available)		
All-in-one fully automatic system (Refrigeration, thawing & stirring)	S	S	S
Intelligent inventory management system	S	S	S
IC card & fingerprint login system	S	S	S
Built-in camera	S	S	S
Weighing function	S	S	S
Label printing system	S	S	S
Empty jar return control	X	S	S
Built-in air compressor	S	S	S
Uninterrupted power supply (UPS) for PC	S	S	S
Standard MES integration	S	S	S
OPTIONAL FEATURES			
	(O: Optional; X: Not available)		
Facial recognition login system	O	O	O
Humidity monitoring system	O	O	O
Cartridge/Syringe storage customization**2	O	O	O
Mixed storage customization**3	X	O	O
Uninterrupted power supply (UPS) for machine**4	O	O	O
MES customization (i4.0)	O	O	O

*1 Code reading position and code type are factory-fitted, need to be specified when placing order.

**2 Stirring is only applicable to one size. Stirring is not applicable in SS-80S with this customization.

**3 Stirring is only applicable to one of the packaging (1 size only).

**4 UPS for PC will be replaced and not included.



SS-80S



SS-176M



SS-430L



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