X-Treme Series

AUTO DRY CABINETS

SOLDER PASTE STORAGE CABINET

0.5%Rh Humidity | 100°C Temperature

www.x-tremeseries.com

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WHAT IS SOLDER PASTE?

Solder is an alloy that is used to join two or more metal parts. This alloy consists of a mixture of tin, lead, and silver elements. Numerous methods and various solder materials are used in the process of soldering PCBs to circuit components. Among these variety Solder Paste is one of the commonly used material in today's technology.

SOLDER PASTE STORAGE CABINET

X-Treme Series Solder Paste Storage Cabinet is used for the purpose of controlled and safe storage of solder pastes at proper conditions. In general, these conditions vary between 2°C-20°C depending solder paste type and brand. Shelf life of solder paste is normally 2 weeks at ambient temperature. Especially high temperatures affect solderability viscosity of solder paste. However, moisture is also an important factor for solder paste. The shelf life of solder paste that is not stored under proper conditions decreases due to factors such as oxidation and contamination, problems with solderability occur, and solder quality deteriorates. For this reason, solder pastes should be stored at low temperatures and under suitable humidity conditions.

X-Treme Series Solder Paste Storage Cabinet can be set to desired values at between 2 ° C - 100 ° C temperature and 0.5% Rh - 95% Rh humidity ranges, and the solder pastes can be stored in the appropriate environment and soldering problems are eliminated in production. With the latest technology humidity & temperature sensors, the operator can monitor the values inside the cabinet with high precision. Thanks to the homogeneous humidity & temperature distribution inside the cabinet, all soldering materials are stored under the same conditions and possible losses are prevented. If used properly, it contributes 100% to solder quality.

Thanks to the MSD Track software, the operator can track the shelf life of solder pastes, the time they stay under ambient conditions, the remaining quantities, and their physical location. With FIFO (first in, first out) logic, the Operator can use solder pastes in order before their shelf life expires. X-Treme Series offers customized volume options for long term storage of your solder pastes at safe and proper conditions.

SOLDER PASTE
STORAGE CABINET

FEATURES

- Electrostatic Painted Metal Sheet Body
- 2°C - 20 °C Temperature set range
- 0.5% Rh -95% Rh Humidity set range
- Automatic Door Locks by Password
- 7” Touch Screen Control Panel, 800*480 Pixel Screen Resolution
- Internet Connection by Wi-Fi or Ethernet Cable
- USB Connection
- Datalogger (2 GB)
- Remote Monitoring System (RMS)
- Indoor Sensor *(±0.5 ° C Temperature ve ± 0.3% Rh Humidity Sensor Precision)*
- Door Alarm with Buzzer
- Alarm notification by E-mail
- 4 x Casters *(2 of them are lockable)*
- Adjustable Stabilization Legs 2 pcs
- Motion Sensor
- ESD Protected
- MSD Track Software *(optionally)*
- FIFO *(optionally)*
- Alarm Warning Lamp *(optionally)*
- RFID Access *(optionally)*
- LED Illumination *(optionally)*
- Stainless Steel Shelf *(optionally)*
- Stainless Steel (SS) Sliding Shelf *(optionally)*
- X-Treme Series Dryer Unit *(optionally)*
- X-Treme Series N2 Auto Flow System *(optionally)*
- X-Treme Series Hybrid Systems *(optionally)*
- Hepa Filter Option-Class 1000 (ISO 6) *(optionally)*

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AUTO DRY CABINETS

Physical	XS-Line (300 Liters)	XS-Line (600 Liters)	XS-Line (900 Liters)	XT-Line (1250 Liters)	XL-Line (1840 Liters)
Net Volume	300 Lt	625 Lt	925 Lt	1250 Lt	1840 Lt
Net Volume (Thermal Insulated)	285 Lt	600 Lt	890 Lt	1215 Lt	1790 Lt
External Dimensions (WxHxD)	606x1128x750mm	606x1990x750mm	606x1990x1050mm	1200x1990x750mm	1200x1990x1050mm
Internal Dimensions (WxHxD)	603x792x630mm	603x1654x630mm	603x1654x930mm	1197x1654x630mm	1197x1654x930mm
Internal Dimensions (WxHxD) (Thermal Insulated)	584x772x630mm	584x1634x630mm	584x1634x930mm	1178x1634x630mm	1178x1634x930mm
Wight (Depends on configuration)	90 kg	134 kg	160 kg	190 kg	280 kg
Shelf Load Capacity	50 kg				
Height From Ground	30 mm				
Body Material	Electrostatic Painted Steel Body, Stainless Steel Interior Panel (AISI 430)				
Door Glass	24 mm Insulated Glazing				
Shelves and Drawers	2 pcs Stainless Steel	5 pcs Stainless Steel	5 pcs Stainless Steel	10 pcs Stainless Steel	Optional

Electrical	
Voltage	220 - 240 V AC 50 Hz - 110 V AC 60 Hz (±10%)
Current / Max. Power	10 A - 16 A (Maximum) / 2200 W Max
Average Power Consumption	50 W/h
Max. Power Consumption	1500 W/h

Operational	XS-Line (300 Liters)	XS-Line (600 Liters)	XS-Line (900 Liters)	XT-Line (1250 Liters)	XL-Line (1840 Liters)
Humidity Set Range	0.5% - 95% RH (Ambient to Set Value)				
Temperature Set Range (Optional)	2 °C / 15 °C / 45 °C / 60 °C / 100 °C (Ambient to Set Value)				
Time to Reach to Set Humidity Level	<15 min. Single Dryer; <7 min. Double Dryer(values for 1% RH)				
Number of Doors	1	2	2	4	2
Door Lock	Automatic, Password Protected				

Version 3.0 Software - Industry 4.0		
Display -Control Panel	Type	Touch Screen Display
	Active Area	7" - (155 x 86mm)
	Resolution	800 x 480 Pixel
Datalogger	Capacity	2 GB
	Connection Type	Wi-Fi (Wireless), Ethernet Cable (Network), USB Flash Disk
	USB (AF Type)	Connector Right and Left Side of the Cabinet
RMS (Remote Monitoring)	Monitoring	via PC, Phone, Tablet
	Connection Type	Wi-Fi (Wireless), Ethernet Cable (Network)

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Sensor Specifications

Relative Humidity Measurement	Location	Cabinet Inside (Standard), Cabinet Outside (Optional)
	Range	0 - 99% RH
	Accuracy	± 0.3% RH (0...20% RH) ± 1.5% RH (20...99% RH) (After Calibration) (Indoor Sensor)
	Resolution	0.01% RH < 10% RH - 0.1% RH > 10% RH (Indoor Sensor)
Temperature Measurement	Location	Cabinet Inside (Standard), Cabinet Outside (Optional)
	Range	-20 - +110 °C
	Accuracy	± 0,5 °C (at 25 °C)
	Resolution	0.1 °C
Date & Time	Date (dd.mm.yy) and Time (hh:mm:ss) Display With Real Time Clock (RTC)	

Alarm Function

Alarm Type	Standard Internal Buzzer, Optional Alarm Light Bar
Alarm Duration	Adjustable, Internal Buzzer: 5 - 255 sec. Alarm L. Bar: 1 - 60 min.
Humidity Level Alarm	Adjustable Offset: 0% RH - 40% RH
Temperature Level Alarm	Adjustable Time After Door Close: 1 - 60 minutes
Door Left Open Alarm	Adjustable Time to Alarm: 10 - 240 seconds

Cabinet Specifications

Cooling	Capacity	0,5HP				
	Cooling Type	R134a Type				
	Insulation Material	Elastomeric Rubber Foam Faced with Aluminium Foil, Thermal Conductivity < 0.040 W/mK				
	Control	Automatic				
Shelf Capacity	Material	Stainless Steel				
	Max Pcs / Cabinet	8	16	16	36	36
	Min. Shelf Height	60mm				
	Mounting / Demounting	With Shelf Holder Parts, No Tools Required				
Customized Storage Options (Depends on Customers' Requirement)	Sliding Shelves					
	Sliding Shelf Dividers					
Alarm Light Bar	Type	Buzzer and Two-Colored Lights, Magnetic Base				
	Buzzer Noise Level	70 dB (A)				
	Light Type and Color	Yellow and Red, 12 V, 5 W Lamps				
	Shape and Visibility	Cylindrical, 360° View				
	Mounting	Easy Attachable with Magnetic Base Plate, Built-In Screw Holes				
	Connection	4-Pin XLR Connector Behind Cabinet				

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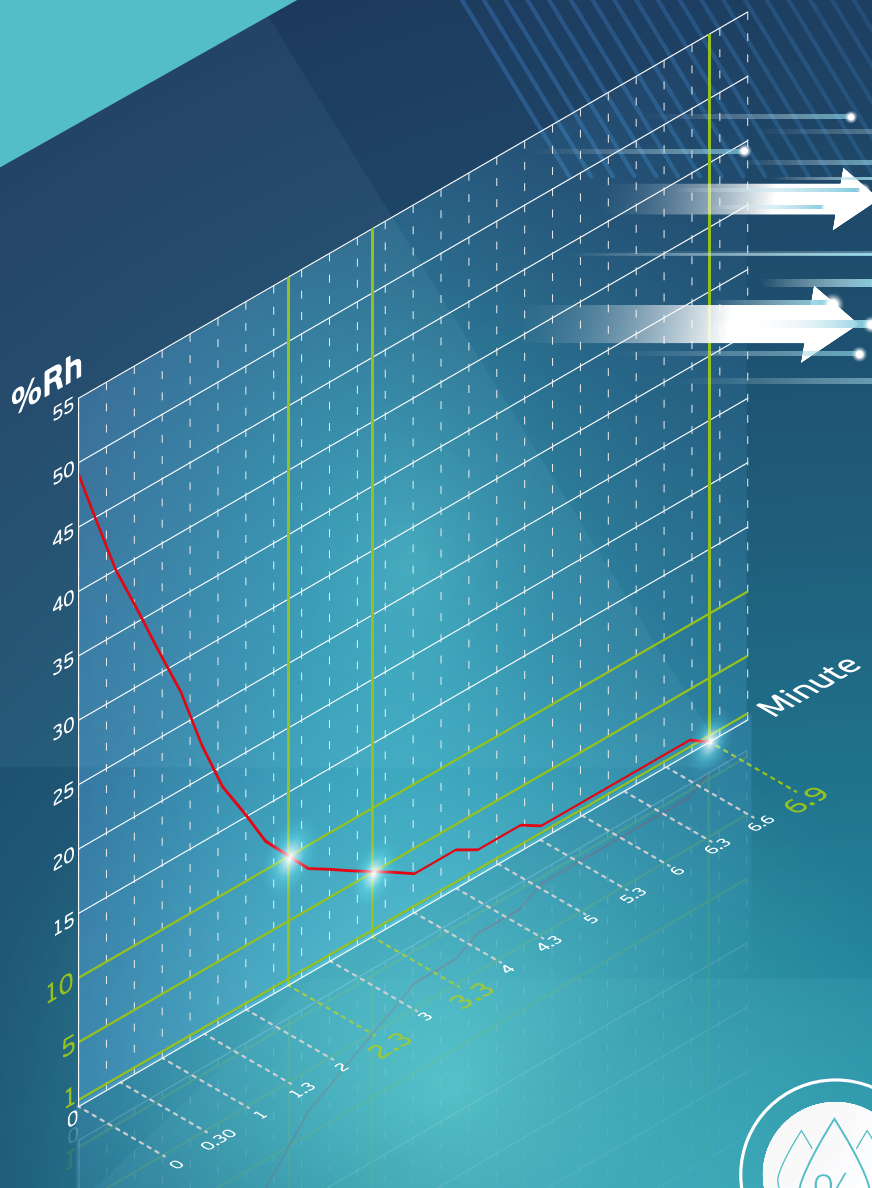

50%Rh to ≤1%Rh
under 7 minutes!

50%Rh to ≤5%Rh
under 4 minutes!

The best place for your product

Internal Relative Humidity
0.5% Rh • 95% Rh

Internal Temperature
2°C-15°C-45°C-60°C
up to 100°C

Sensor Accuracy
±0.3 Rh Humidity
±0.5°C Temperature

The choice of 55 COUNTRIES

SOME OF OUR REFERENCES

Lockheed Martin · NASA · Boeing · Bosch (Invented for life) · Siemens · Airbus
Intel · Honeywell · Thales · Fraunhofer · BAE Systems · Leonardo
Rheinmetall · flex · Safran · Diehl Defence · Continental · Philips
IAI · Lenovo · Sandia National Laboratories · Westinghouse · Leica · Schneider Electric
Ultra Electronics · Ericsson · B Braun · Megger · Together ahead. RUAG · Boehringer Ingelheim
ISRO · TÜBİTAK · aselsan · VESTEL · arçelik · Phoenix Contact
NNSA · HAVELSAN · Jaguar · British American Tobacco · ALSTOM · CCS
ayesaş · TEI · Türkhavacılık Uzaysanayii · Gentex Corporation · BNA · ESEN
Collins Aerospace · Heraeus · System Sensor · Seagate · MOOG · JABIL

and many more...

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SOLDER PASTE STORAGE CABINET

Manufactured by EMT Electronics
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IPC Member

Compliance with IPC/JEDEC-J-STD-033D standards
Compliance with CE and Rohs