

**X-Treme
Series**

AUTO DRY CABINETS

**CONFORMAL COATING
DRYING CABINET**



0.5%Rh
Humidity

100°C
Temperature

www.x-tremeseries.com

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AUTO DRY CABINETS

The image features a central diamond-shaped object being coated by a spray nozzle. The spray is depicted as a fine mist of particles. The background is a vibrant blue with a complex circuit board pattern, including various lines, nodes, and components. The overall aesthetic is high-tech and industrial.

***CONFORMAL
COATING***

Conformal Coatings

A conformal coating is a thin polymeric film applied to a printed circuit board (PCB) in order to protect the board and its components from the moisture, dust, chemicals, temperature extremes and corrosion. The film is typically applied at 25-250µm and 'conforms' to the shape of the board and its components, covering and protecting solder joints, the leads of electronic components, exposed traces, and other metallised areas from corrosion, ultimately extending the working life of the PCBs.

Conformal Coating Drying Cabinets

It is used to dry the coatings under suitable conditions after the conformal coating. Drying conditions can vary depends on the coating material. X-Treme Series Conformal Coating Drying Cabinets perform your baking (drying) process as adjusted set values up to 100°C temperature in order to meet the desired conditions. In addition to that, humidifying unit can be provided by adjusting the humidity value in the cabinet for the conformal coating materials which requires specific humidity amount for drying.

Thanks to our system that performs both dehumidification and baking at the same time, your coatings are dried in a fast, controlled and homogeneous way. The drying processes carried out within 24-48 hours under ambient conditions decrease up to 1-2 hours in our cabinets, providing a controlled process by gaining time and cost efficiency.

Conformal coatings dried under ambient conditions threaten human health due to their solvent-based structure. Thanks to the ventilation system, it eliminates this threat by directing harmful gases to the in-house ventilation system, and gives importance to human health. Problems such as contamination and ESD that may occur in drying processes performed in ambient conditions are prevented.

Coatings and their qualities can be inspected instantly with the UV Light option



XSC-300-CC

Physical Specifications

Net Volume	300 lt
Net Volume (Thermal Insulated)	285 lt
External Dimensions (WxHxD)	606 x 1328 x 750 mm
Internal Dimensions (WxHxD)	603 x 792 x 615 mm
Internal Dimensions (WxHxD)	582 x 772 x 615 mm
Weight (Depends On Configuration)	90 kg
Shelf Load Capacity	50 kg
Height From Ground	30 mm
Body Material	Electrostatic Painted Steel, Stainless Steel Interior Panel (AISI 430)
Door Glass	24 mm Insulated Glazing
Shelves & Drawers	2 pcs Stainless Steel

Electrical Specifications

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

Operational Specifications

Humidity Set Range	0.5% - 95% RH (Ambient to Set Value)
Temperature Set Range (Optional)	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
Door Lock	Automatic - Password Protected, RFID card (Optional)

Version 3.0 Software - Endustry 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)

CONFORMAL COATING DRYING CABINET



Sensor Specifications

Relative Humidity Measurement	Location	Cabinet Inside (Standard), Cabinet Outside (Optional)
	Range	0 - 99% RH
	Accuracy	$\pm 0.3\%$ RH (0...20% RH) $\pm 1.5\%$ 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	$\pm 0,5$ °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



Features of Cabinets

UV Light	Capacity	2 x 15 W
	Type	UV-A
	Socket Type	G13
	Lamp Type	T8
	Efficiency	20,6 uW/cm2
	Wavelength	350-390 nm
	Control	Manuel
Extraction	Capacity	350 m3/h
	Control	Manuel
Heater	Capacity	2 x 750 W
	Heater Type	Electrical, Heating Elements and Fans
	Insulation Material	Elastomeric Rubber Foam, Thermal Conductivity < 0,036 W/mK
	Control	Automatic
Shelf Capacity	Material	Stainless Steel
	Max Pcs / Cabinet	9
	Min. Shelf Height	60 mm
	Mounting / Demounting	With Shelf Holder Parts, No Tools Required
Customized Storage Options(Depends on Customers' Requirement)	Sliding Drawer	
	Sliding Drawer Holders	
Alarm Light Bar	Type	Buzzer and Two-Colored Lights, Magnetic Base
	Buzzer Noise Level	70 dB (A)
	Light Type and Colors	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



XSC-600-CC



Physical Specifications

Net Volume	625 lt
Net Volume (Thermal Insulated)	600 lt
External Dimensions (WxHxD)	606 x 2190 x 750 mm
Internal Dimensions (WxHxD)	603 x 1654x 615 mm
Internal Dimensions (WxHxD)	582 x 1634 x 615 mm
Weight (Depends On Configuration)	134 kg
Shelf Load Capacity	50 kg
Height From Ground	30 mm
Body Material	Electrostatic Painted Steel, Stainless Steel Interior Panel (AISI 430)
Door Glass	24 mm Insulated Glazing
Shelves & Drawers	5 pcs Stainless Steel



Electrical Specifications

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



Operational Specifications

Humidity Set Range	0.5% - 95% RH (Ambient to Set Value)
Temperature Set Range (Optional)	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	2
Door Lock	Automatic - Password Protected, RFID card (Optional)



Version 3.0 Software - Endustry 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)



Sensor Specifications

Relative Humidity Measurement	Location	Cabinet Inside (Standard), Cabinet Outside (Optional)
	Range	0 - 99% RH
	Accuracy	$\pm 0.3\%$ RH (0...20% RH) $\pm 1.5\%$ 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	$\pm 0,5$ °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



Features of Cabinets

UV Light	Capacity	2 x 15 W
	Type	UV-A
	Socket Type	G13
	Lamp Type	T8
	Efficiency	20,6 uW/cm2
	Wavelength	350-390 nm
	Control	Manuel
Extraction	Capacity	350 m3/h
	Control	Manuel
Heater	Capacity	2 x 750 W
	Heater Type	Electrical, Heating Elements and Fans
	Insulation Material	Elastomeric Rubber Foam, Thermal Conductivity < 0,036 W/mK
	Control	Automatic
Shelf Capacity	Material	Stainless Steel
	Max Pcs / Cabinet	21
	Min. Shelf Height	60 mm
	Mounting / Demounting	With Shelf Holder Parts, No Tools Required
Customized Storage Options(Depends on Customers' Requirement)	Sliding Drawer	
	Sliding Drawer Holders	
Alarm Light Bar	Type	Buzzer and Two-Colored Lights, Magnetic Base
	Buzzer Noise Level	70 dB (A)
	Light Type and Colors	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



XSC-900-CC

Physical Specifications

Net Volume	925 lt
Net Volume (Thermal Insulated)	890 lt
External Dimensions (WxHxD)	606 x 2190 x 1050 mm
Internal Dimensions (WxHxD)	603 x 1654 x 915 mm
Internal Dimensions (WxHxD)	582 x 1634 x 915 mm
Weight (Depends On Configuration)	160 kg
Shelf Load Capacity	50 kg
Height From Ground	30 mm
Body Material	Electrostatic Painted Steel, Stainless Steel Interior Panel (AISI 430)
Door Glass	24 mm Insulated Glazing
Shelves & Drawers	5 pcs Stainless Steel

Electrical Specifications

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

Operational Specifications

Humidity Set Range	0.5% - 95% RH (Ambient to Set Value)
Temperature Set Range (Optional)	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	2
Door Lock	Automatic - Password Protected, RFID card (Optional)

Version 3.0 Software - Endustry 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)

CONFORMAL COATING DRYING CABINET



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



Features of Cabinets

UV Light	Capacity	2 x 15 W
	Type	UV-A
	Socket Type	G13
	Lamp Type	T8
	Efficiency	20,6 uW/cm2
	Wavelength	350-390 nm
	Control	Manuel
Extraction	Capacity	350 m3/h
	Control	Manuel
Heater	Capacity	2 x 750 W
	Heater Type	Electrical, Heating Elements and Fans
	Insulation Material	Elastomeric Rubber Foam, Thermal Conductivity < 0,036 W/mK
	Control	Automatic
Shelf Capacity	Material	Stainless Steel
	Max Pcs / Cabinet	21
	Min. Shelf Height	60 mm
	Mounting / Demounting	With Shelf Holder Parts, No Tools Required
Customized Storage Options(Depends on Customers' Requirement)	Sliding Drawer	
	Sliding Drawer Holders	
Alarm Light Bar	Type	Buzzer and Two-Colored Lights, Magnetic Base
	Buzzer Noise Level	70 dB (A)
	Light Type and Colors	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

X-Treme Series

AUTO DRY CABINETS



XTC-CC

Physical Specifications

Net Volume	1250 lt
Net Volume (Thermal Insulated)	1215 lt
External Dimensions (WxHxD)	1200 x 2190 x 750 mm
Internal Dimensions (WxHxD)	1197 x 1654 x 615 mm
Internal Dimensions (WxHxD)	1176 x 1634 x 615 mm
Weight (Depends On Configuration)	190 kg
Shelf Load Capacity	50 kg
Height From Ground	30 mm
Body Material	Electrostatic Painted Steel, Stainless Steel Interior Panel (AISI 430)
Door Glass	24 mm Insulated Glazing
Shelves & Drawers	10 pcs Stainless Steel

Electrical Specifications

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

Operational Specifications

Humidity Set Range	0.5% - 95% RH (Ambient to Set Value)
Temperature Set Range (Optional)	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	4
Door Lock	Automatic - Password Protected, RFID card (Optional)

Version 3.0 Software - Endustry 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)



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



Features of Cabinets

UV Light	Capacity	2 x 15 W
	Type	UV-A
	Socket Type	G13
	Lamp Type	T8
	Efficiency	20,6 uW/cm2
	Wavelength	350-390 nm
	Control	Manuel
Extraction	Capacity	350 m3/h
	Control	Manuel
Heater	Capacity	2 x 750 W
	Heater Type	Electrical, Heating Elements and Fans
	Insulation Material	Elastomeric Rubber Foam, Thermal Conductivity < 0,036 W/mK
	Control	Automatic
Shelf Capacity	Material	Stainless Steel
	Max Pcs / Cabinet	42
	Min. Shelf Height	60 mm
	Mounting / Demounting	With Shelf Holder Parts, No Tools Required
Customized Storage Options(Depends on Customers' Requirement)	Sliding Drawer	
	Sliding Drawer Holders	
Alarm Light Bar	Type	Buzzer and Two-Colored Lights, Magnetic Base
	Buzzer Noise Level	70 dB (A)
	Light Type and Colors	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

X-Treme Series

AUTO DRY CABINETS



XLC-CC

Physical Specifications

Net Volume	1840 lt
Net Volume (Thermal Insulated)	1790 lt
External Dimensions (WxHxD)	1200 x 2190 x 1050 mm
Internal Dimensions (WxHxD)	1197 x 1654 x 915 mm
Internal Dimensions (WxHxD)	1176 x 1634 x 915 mm
Weight (Depends On Configuration)	280 kg
Shelf Load Capacity	50 kg
Height From Ground	30 mm
Body Material	Electrostatic Painted Steel, Stainless Steel Interior Panel (AISI 430)
Door Glass	24 mm Insulated Glazing
Shelves & Drawers	Optional

Electrical Specifications

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

Operational Specifications

Humidity Set Range	0.5% - 95% RH (Ambient to Set Value)
Temperature Set Range (Optional)	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	2
Door Lock	Automatic - Password Protected, RFID card (Optional)

Version 3.0 Software - Endustry 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)



Sensor Specifications

Relative Humidity Measurement	Location	Cabinet Inside (Standard), Cabinet Outside (Optional)
	Range	0 - 99% RH
	Accuracy	$\pm 0.3\%$ RH (0...20% RH) $\pm 1.5\%$ 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	$\pm 0,5$ °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



Features of Cabinets

UV Light	Capacity	2 x 15 W
	Type	UV-A
	Socket Type	G13
	Lamp Type	T8
	Efficiency	20,6 uW/cm2
	Wavelength	350-390 nm
	Control	Manuel
Extraction	Capacity	350 m3/h
	Control	Manuel
Heater	Capacity	2 x 750 W
	Heater Type	Electrical, Heating Elements and Fans
	Insulation Material	Elastomeric Rubber Foam, Thermal Conductivity < 0,036 W/mK
	Control	Automatic
Shelf Capacity	Material	Stainless Steel
	Max Pcs / Cabinet	42
	Min. Shelf Height	60 mm
	Mounting / Demounting	With Shelf Holder Parts, No Tools Required
Customized Storage Options(Depends on Customers' Requirement)	Sliding Drawer	
	Sliding Drawer Holders	
Alarm Light Bar	Type	Buzzer and Two-Colored Lights, Magnetic Base
	Buzzer Noise Level	70 dB (A)
	Light Type and Colors	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

X-Treme Series

AUTO DRY CABINETS

CONFORMAL COATING DRYING CABINET

Manufactured by EMT Electronics

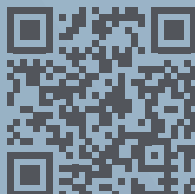
Çamlıca Mahallesi, Anadolu Bulvarı No:16

Regnum Ticaret Merkezi, B Blok No: 5/1

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