

CRIMINAL LABORATORY SOLUTIONS





EMT Electronics & EMT Forensics

EMT Electronics is a privately held company group established in 1987, Ankara. Since its establishment, our company provides its unique solutions, design, engineering, production, and R&D capabilities in the fields of digital forensics, cyber security, criminal investigation and industrial auto-drying cabinets. Besides, our company transfers its deep understanding and knowledge to the law enforcement agencies and private institutions through its training and consultancy services.

Currently EMT products are at service and in help of public and private institutions over 55 countries worldwide.

EMT Forensics, as a trademark of EMT Electronics Group, focuses mainly on products and solutions to be used for crime scene investigation, fingerprint development and ballistic investigation laboratories which are extremely important for law enforcement agencies and forensics departments.

Capabilities





Fields of Use



CRIME SCENE INVESTIGATION SOLUTIONS Crime scene is the location where all potential evidence lies. It is utmost important to keep the crime scene in its original position. Integrity of evidence plays crucial role in criminal investigations. EMT engineered products help law enforcement agencies to document, preserve and present physical evidence.



FINGERPRINT DEVELOPMENT SOLUTIONS Latent fingerprints on different surfaces require enhancement to be visible and comparable. EMT Forensics solutions provide best conditions for the development of any deposited fingermark on an examined evidence.



BALLISTIC LABORATORY SOLUTIONS Comparison bullets can be difficult to acquire as there are different types of firearms and traditional methods are far from being convenient, safe and reliable. Our solutions for ballistic examinations help ballistic experts to overcome these difficulties with effective and high performance work model.

- CRIME SCENE INVESTIGATION UNITS
- FINGERPRINT DEVELOPMENT LABORATORIES
- BALLISTIC EXAMINATION UNITS
- CRIME LABORATORIES
- EVIDENCE ACCEPTANCE UNITS
- POLICE STATIONS
- DNA and BIOLOGICAL EXAMINATION UNITS

Use Cases



Evidence Drying Cabinets







XTC-1200-DK, XSC-800-DK and XSC-400-DK

EMT Forensics engineered Evidence Drying Cabinets are special designs for letting wet and dampish evidence air-dry. These cabinets prevent contamination of biological fluids assisting to maintain the integrity of the evidence. EMT Forensics Evidence Drying Cabinets feature HEPA and Carbon filters that protect operators from being exposed to biohazards, harmful bacteria, and viruses. Unpleasant smell that comes from collected evidence are eliminated by the filtering system.

EMT Forensics Evidence Drying Cabinets are offered in 3 different sizes. Law enforcement agencies may choose depending on the volume of evidence they are dealing with.

While traditional methods use heat for drying we also humidify and dehumidify the internal chamber using our humidification unit for preventing the damage that heat can cause for biological evidence.





Ŷ	🔇 Physical Specifications			
	External Dimensions (WxHxD)	1200 x 1990 x 750 mm		
	Internal Dimensions (WxHxD)	1178 x 1634 x 631 mm		
	Net Volume	1215 lt		
	Weight (Depends on Configuration)	293 KG		
	Max. Load Capacity of a Shelf	25 Kg		
	Height from Ground	30 mm		
	Body Material	Electrostatic Painted Steel (AISI 430), Stainless Steel Interior Panel (AISI 430)		
	Door Glass	24 mm Insulating Thermal Glass		
	Shelves & Drawers	Stainless Steel (5 pcs.), Evidence Hanger (1 pcs.)		

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	Voltage	220 – 240 V AC 50 Hz – 110 V AC 60 Hz (± %10)						
	Current/ Max Power	10A - 16 A / 2200 W Max.						
	Average Power Consumption	50 W / Hour (Depends on Configuration)						
	Max Power Consumption/ Hour	Basic	Lighting	N2	First Dryer Unit	Second Dryer Unit	40 °C Heater	60 °C Heater
		10 W	35 W	N/A	750 W	750 W	1500 W	1500 W

() Operational Specif	ications		
Humidity Set Range		1% - 81% RH (1% to Ambient)	
Temperature Set Range (Optional)		20 °C - 45 °C (Ambient to Set Value)	
Time to Reach to Set Humidity Lev	vel from Ambient	<15 minute (with two dryer unit) / <30 minute (with single dryer unit)	
Number of Doors		3 (1 big door on the left, 2 small doors on the right)	
Door Lock		Password protected door locks (optional)	
🕞 Display & Control F	Panel		
	Туре	Touch Screen LCD Panel	
	Color	Blue	
Display	Backlight Type	LED, White	
	Number of Dots	240 x 128 (horizontal x vertical)	
	Active Area	107,98 x 57,58 mm	
	Туре	Touch Screen LCD Panel	
	Operation Force	<100 g	
Control Panel	Durability	>1.200.000 times pen selections (Force:250g, Speed:2cm/sec)	
	Insulation Resistance	>10 MΩ (DC 25 V)	
	Linearity	$\leq \pm 1,5\%$ for both X and Y axis	

(ϵ)	Measurements		
	Relative Humidity Measurement	Location	Cabinet inside (Standard), Cabinet outside (N/A)
		Range	0 – 99 % RH
		Accuracy	± 0.3 % RH (020 % RH) ± 1.5 % RH (2099% 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 (Option- al)
		Range	-20 - +100 °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 RTC
M Alarm Functions			
	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% - 40% Adjustable Time

Temperature Level AlarmAfter Door Close: 1 – 60 minutesDoor Left Open AlarmAdjustable Time to Alarm: 10 – 240 seconds

î	Environmental Operating Conditions		
	Relative Humidity	1% - 90% RH	
	Temperature	15 °C – 30 °C	
	Protection Class	IP 20	

Features of Cabinet			
	Advantage	Reaching the set humidity level 60% faster	
Second Dryer unit	Usage	It shares the duty of drying alternately, provides an uninterrupted drying process	
	Capacity	2 x 750W	
	Heating Method	Electrical, Heating Elements and Fans	
Heater	Insulation Meterials	Elastomeric Rubber Foam, Thermal Conductivity <0,036 W/Mk	
	Control	Automatic	
	Location	Stainless Steel	
	Capacity & Type	35 W, Fluorescent daylight	
Lighting	Control	Automatic: triggered with touch screen, movement or door opening	
	Duration of lighting	After the last trigger, Adjustable: 0 - 240 min	
	Number of locks	1 pcs. (Each door)	
Automatic Door Lock	Lock Type	Electrically controlled with oped/locked status information	
	Control	Access code as password	
	Material	Stainless Steel	
Shalva Canacity	Evidence Drying Cabinet	5 pcs. (1 piece evidence hanger, 4 pieces standar shelve)	
	Minimum Shelf Height	60mm	
	Mounting	Easy Attachable With Magnetic Base Plate, Built-In Screw Holes	





Physical	Speci	hcat	tions

External Dimensions (WxHxD)	1000 x 1800 x 750 mm
Internal Dimensions (WxHxD)	977 x 1454 x 630 mm
Net Volume	800 lt
Weight (Depends on Configuration)	250 KG
Max. Load Capacity of a Shelf	25 Kg
Height from Ground	30 mm
Body Material	Electrostatic Painted Steel (AISI 430), Stainless Steel Interior Panel (AISI 430)
Door Glass	24 mm Insulating Thermal Glass
Shelves & Drawers	Stainless Steel (5 pcs.), Evidence Hanger (1 pcs.)

🖰 Electrical Specifications

Voltage	220 – 240 V AC 50 Hz – 110 V AC 60 Hz (± %10)			
Current/ Max Power	10A - 16 A / 2200 W Max.			
Average Power Consumption	50 W / Hour (Depends on Configuration)			
Max Power Consumption/ Hour	r Basic Lighting Humidifier Unit 60 °C			60 °C Heater
	10 W	35 W	750 W	1500 W

(@) Operational Specifications

	Humidity Set Range	1% - 81% RH (1% to Ambient)
	Temperature Set Range (Optional)	20 °C - 60 °C (Ambient to Set Value)
	Time to Reach to Set Humidity Level from Ambient	Depends on the evidence which will be stored in the cabinet
	Number of Doors	2
	Door Lock	Password protected automatic and manual espagnolette locks



L	J Display & Control Panel			
	Display	Туре	Touch Screen LCD Panel	
		Color	Blue	
		Backlight Type	LED, White	
		Number of Dots	240 x 128 (horizontal x vertical)	
		Active Area	107,98 x 57,58 mm	
	Control Panel	Туре	Touch Screen LCD Panel	
		Operation Force	<100 g	
		Durability	>1.200.000 times pen selections (Force:250g, Speed:2cm/sec)	
		Insulation Resistance	>10 MΩ (DC 25 V)	
		Linearity	$\leq \pm 1,5\%$ for both X and Y axis	

6	🙆 Measurements			
	Relative Humidity Measurement	Location	Cabinet inside (Standard), Cabinet outside (N/A)	
		Range	0 – 99 % RH	
		Accuracy	± 0.3 % RH (020 % RH) ± 1.5 % RH (1099% 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 (Option- al)	
		Range	0 - 70°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 RTC	

Ľ	Alarm Functions	
	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% - 40% Adjustable Time
	Temperature Level Alarm	After Door Close: 1 – 60 minutes
	Door Left Open Alarm	Adjustable Time to Alarm: 10 – 240 seconds

Environmental Operating Conditions		
	Relative Humidity	1% - 90% RH
	Temperature	15 °C – 40 °C
	Protection Class	IP 20





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Physical Specifications		
External Dimensions (WxHxD)	800 x 1500 x 600 mm	
Internal Dimensions (WxHxD)	780x 1000 x 415 mm	
Net Volume	320 lt	
Weight (Depends on Configuration)	145 KG	
Max. Load Capacity of a Shelf	25 KG	
Height from Ground	30 mm	
Body Material	Electrostatic Painted Steel (AISI 430), Stainless Steel Interior Panel (AISI 430)	
Door Glass	24 mm Insulating Thermal Glass	
Shelves & Drawers	Stainless Steel (5 pcs.), Evidence Hanger (1 pcs.)	
	Chysical Specifications External Dimensions (WxHxD) Internal Dimensions (WxHxD) Net Volume Weight (Depends on Configuration) Max. Load Capacity of a Shelf Height from Ground Body Material Door Glass Shelves & Drawers	

કે	Electrical Specifications				
	Voltage	220 – 240 V AC 50 Hz – 110 V AC 60 Hz (± %10)			
	Current/ Max Power	10A - 16 A / 2200 W Max.			
	Average Power Consumption	50 W / Hour (Deper	nds on Configuration)		
	Max Power Consumption/ Hour	Basic	Lighting	Humidifier Unit	60 °C Heater
		10 W	35 W	750 W	1500 W

Ē	Dperational Specifications	
	Humidity Set Range	1% - 81% RH (1% to Ambient)
	Temperature Set Range (Optional)	20 °C - 60 °C (Ambient to Set Value)
	Time to Reach to Set Humidity Level from Ambient	Depends on the evidence which will be stored in the cabinet
	Number of Doors	2 Equal Doors (One of the doors placed on the left, the other one placed on the right)
	Door Lock	Password protected automatic and manual espagnolette locks



🕞 Display & Control Panel			
		Туре	Touch Screen LCD Panel
		Color	Blue
	Display	Backlight Type	LED, White
		Number of Dots	240 x 128 (horizontal x vertical)
		Active Area	107,98 x 57,58 mm
		Туре	Touch Screen LCD Panel
		Operation Force	<100 g
	Control Panel	Durability	>1.200.000 times pen selections (Force:250g, Speed:2cm/sec)
		Insulation Resistance	>10 MΩ (DC 25 V)
		Linearity	$\leq \pm 1,5\%$ for both X and Y axis

🕜 Measurements

	Location	Cabinet inside (Standard), Cabinet outside (N/A)
	Range	0 – 99 % RH
Relative Humidity Measurement	Accuracy	± 0.3 % RH (020 % RH) ± 1.5 % RH (2099% RH) (After Calibration) (Indoor Sensor)
	Resolution	0.01 % RH <10 % RH 0.1 %RH > 10% RH (Indoor Sensor)
	Location	Cabinet inside (Standard), Cabinet outside (Option- al)
	Range	-20 - +100 °C
Temperature Measurement	Accuracy	± 0,5 °C (at 25 °C)
	Resolution	0.1 °C
C	Date & Time	Date (DD.MM.YY) and Time (hh.mm.ss) display with RTC

Alarm FunctionsAlarm TypeStandard Internal Buzzer, Optional Alarm Light BarAlarm DurationAdjustable, Internal Buzzer: 5-255 sec. Alarm L.
Bar: 1-60 min.Humidity Level AlarmAdjustable Offset: 0% - 40% Adjustable TimeTemperature Level AlarmAfter Door Close: 1 - 60 minutesDoor Left Open AlarmAdjustable Time to Alarm: 10 - 240 seconds

î	Environmental Operating Conditions	
	Relative Humidity	1% - 90% RH
	Temperature	15 °C – 30 °C
	Protection Class	IP 20



Cyanoacrylate Fuming Cabinets





Fingerprint Development Solutions

XTC-1500-CY, XSC-800-CY and XSC-250-CY

• Cyanoacrylate fuming is one of the most common methods used by forensic and crime scene units for fingerprint development.

• Latent prints require enhancement to be visible and comparable. Latent print residue that is deposited on the touched surface can be developed by cyanoacrylate fuming method.

• EMT Forensics Cyanoacrylate Fuming Chambers are specifically designed to provide best conditions for the development of deposited fingermarks on an examined evidence mostly on non-porous surfaces.

• EMT Forensics Cyanoacrylate Fuming Cabinets are offered in 3 different sizes. Law enforcement agencies may choose depending on the size and volume of evidence they are dealing with.

• Customizable programming and wide screen allow operators to choose the best conditions to develop fingerprint on the examined item

• EMT engineered cyanoacrylate fuming chambers are equipped with maximum health and safety features. HEPA filtering and end of process door lock mechanism target to prevent inhalation of harmful gases.





Ŷ	🖇 Physical Specifications	
	External Dimensions (WxHxD)	1510 x 2170 x 710
	Internal Dimensions (WxHxD)	1507x1620x690
	Net Volume (liters)	1500
	Weight (kg)	350
	Max. Load Capacity of a Shelf (kg)	40
	Height from Ground (mm)	30
	Body Material	Electrostatic Painted Stainless Steel (AISI430)
	Shelves	Stainless Steel
	Hanger Bar	Stainless Steel
	Evidence Hanger	Stainless Steel
	Humidifier Unit	Humidifier unit is placed at outside of the cabinet

Y	Electrical Specifications			
	Voltage		220-240V AC 50/60 hertz	
	Filter Test		1.17A-266W	
	Standby		0.12A-27W	
	Humidification		0.95A-220W	
	Cyanoacrylate Fuming		1.29A-293W	
	Air filtration		1.17A-266W	
	Electrical Compensation	Humidity Set Value	%80RH	
		Temperature Set Value	120 °C	
		Glue Evaporation Time	20 Min	
		Air Filtration Time	30 Min	
		%80RH Reach Time	7:47 Min	
		Total Elapsed Time	62 Min	
		Total Electrical Consumption	220 Watt	

Operational Specifications		
Humidity Set Range	Environment to 80% RH	
Temperature Set Range	up to 125 °C	
Number of Doors	2 Cabinet Door + 2 Super Glue Door	
Door Lock	Automatic Solenoid Locks with Password	
Door Glass	Tempered 4mm Thickness	
On-OFF Button	22mm Red LED Circular Illuminated Button	



Quantity of Components			
Heater	2		
Humidifier	1		
Lightning	4 LED flourescent		
Max Shelve	14		
Pre Filter	2		
Carbon Filter	2		
Indoor Sensor	1		
Alarm Light Bar	1		
Max Hanger Bar	10		
Max Evidence Hanger	50		

L,	🔄 Display & Control Panel			
	Display	Туре	Touch Screen LCD Panel	
		Color	Blue	
		Backlight	LED, White	
		Number of Dots	240 x 128 (horizontal x vertical)	
		Active Area	107,98 x 57,58 mm	
	Control Panel	Туре	Touch Screen LCD Panel	
		Operation Force	<100 g	
		Durability	>1.200.000 times pen selections (Force:250g, Speed:2cm/sec)	
		Insulation Resistance	>10 MΩ (DC 25 V)	
		Linearity	\leq ±1,5% for both X and Y axis	

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Measurements			
	Relative Humidity Measurement	Location	Cabinet inside
		Range	0 – 99 % RH
		Accuracy	± 0.3 % RH (020 % RH) ± 1.5 % RH (2099% RH) (After Calibration) (Indoor Sensor)
		Resolution	0.01 % RH <10 % RH 0.1 %RH > 10% RH (Indoor Sensor)
	Temperature Measurement	Location	Cabinet inside
		Range	± 0,5 °C (at 25 °C)
		Accuracy	0.1 °C
		Resolution	Date (DD.MM.YY) and Time (hh.mm.ss) display with BTC

Ľ	Alarm Functions	
	Alarm Type	Standard Internal Buzzer, Optional Alarm Light Bar
	Alarm Duration	Adjustable, Internal Buzzer: 0-60 sec. Alarm L. Bar: 0-60 sec
	Door Left Open Alarm	Adjustable Time to Alarm: 10 – 240 seconds
	Filter Exceeded Life Time Alarm	Adjustable by user
	Pre Filter Exceeded Life Time Alarm	Adjustable by user





Y	> Physical Specifications	
	External Dimensions (WxHxD)	765 x 2170 x 710
	Internal Dimensions (WxHxD)	762x1620x690
	Net Volume (liters)	800
	Weight (kg)	200
	Max. Load Capacity of a Shelf (kg)	40
	Height from Ground (mm)	30
	Body Material	Electrostatic Painted Stainless Steel (AISI430)
	Shelves	Stainless Steel
	Hanger Bar	Stainless Steel
	Evidence Hanger	Stainless Steel
	Humidifier Unit	Humidifier unit is placed at outside of the cabinet

🖰 Electrical Specifications			
	Voltage		220-240V AC 50 hertz
	Filter Test		0.79A-183W
	Standby		0.11A-25W
	Humidification		0.75A-175W
	Cyanoacrylate Fuming		0.69A-160W
Air filtration			0.79A-183W
	Max Power Consumption / Hour		275 W
	Electrical Compensation	Humidity Set Value	%80RH
		Temperature Set Value	120 °C
		Glue Evaporation Time	20 Min
		Air Filtration Time	30 Min
		%80RH Reach Time	4 Min
		Total Elapsed Time	59 Min
		Total Electrical Consumption	130 Watt

Ē	Dperational Specifications		
	Humidity Set Range	Environment to 80% RH	
	Temperature Set Range	up to 125 °C	
	Number of Doors	1 Cabinet Door + 1 Super Glue Door	
	Door Lock	Automatic Solenoid Locks with Password	
	Door Glass	Tempered 4mm Thickness	
	On-OFF Button	22mm Red LED Circular Illuminated Button	



Quantity of Components		
Heater	1	
Humidifier	1	
Lightning	2 LED flourescent	
Max Shelve	14	
Pre Filter	1	
Carbon Filter	1	
Indoor Sensor	1	
Alarm Light Bar	1	
Max Hanger Bar	10	
Max Evidence Hanger	50	

🕞 Display & Control Panel			
	Display	Туре	Touch Screen LCD Panel
		Color	Blue
		Backlight	LED, White
		Number of Dots	240 x 128 (horizontal x vertical)
		Active Area	107,98 x 57,58 mm
	Control Panel	Туре	Touch Screen LCD Panel
		Operation Force	<100 g
		Durability	>1.200.000 times pen selections (Force:250g, Speed:2cm/sec)
		Insulation Resistance	>10 MΩ (DC 25 V)
		Linearity	$\leq \pm 1,5\%$ for both X and Y axis

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6	Measurements		
	Relative Humidity Measurement	Location	Cabinet inside
		Range	0 – 99 % RH
		Accuracy	± 0.3 % RH (020 % RH) ± 1.5 % RH (2099% RH) (After Calibration) (Indoor Sensor)
		Resolution	0.01 % RH <10 % RH 0.1 %RH > 10% RH (Indoor Sensor)
	Temperature Measurement	Location	Cabinet inside
		Range	± 0,5 °C (at 25 °C)
		Accurancy	0.1 °C
		Resolution	Date (DD.MM.YY) and Time (hh.mm.ss) display with BTC

Ľ	Alarm Functions	arm Functions	
	Alarm Type	Standard Internal Buzzer, Optional Alarm Light Bar	
	Alarm Duration	Adjustable, Internal Buzzer: 0-60 sec. Alarm L. Bar: 0-60 sec	
	Door Left Open Alarm	Adjustable Time to Alarm: 10 – 240 seconds	
	Filter Exceeded Life Time Alarm	Adjustable by user	
	Pre Filter Exceeded Life Time Alarm	Adjustable by user	





% Physical Specifications

External Dimensions (WxHxD)	600x1498 x 510
Internal Dimensions (WxHxD)	598x818x450
Net Volume (liters)	220
Weight (kg)	96
Max. Load Capacity of a Shelf (kg)	40
Height from Ground (mm)	30
Body Material	Electrostatic Painted Stainless Steel (AISI430)
Shelves	Stainless Steel
Hanger Bar	Stainless Steel
Evidence Hanger	Stainless Steel
Humidifier Unit	Humidifier unit is placed at outside of the cabinet

Ś	Electrical Specifications				
	Voltage		220-240V AC 50 hertz		
	Filter Test		0.79A-183W		
	Standby		0.11A-25W		
	Humidification		0.75A-175W		
	Cyanoacrylate Fuming		0.69A-160W		
	Air filtration		0.79A-183W		
	Max Power Consumption / Hour		275 W		
	Electrical Compensation	Humidity Set Value	%80RH		
		Temperature Set Value	120 °C		
		Glue Evaporation Time	20 Min		
		Air Filtration Time	30 Min		
		%80RH Reach Time	4 Min		
		Total Elapsed Time	59 Min		
		Total Electrical Consumption	130 Watt		

(ē	Operational Specifications	
	Humidity Set Range	Environment to 80% RH
	Temperature Set Range	up to 125 °C
	Number of Doors	1 Cabinet Door + 1 Super Glue Door
	Door Lock	Automatic Solenoid Locks with Password
	Door Glass	Tempered 4mm Thickness
	On-OFF Button	22mm Red LED Circular Illuminated Button



Quantity of Components		
Heater	1	
Humidifier	1	
Lightning	2 LED flourescent	
Max Shelve	14	
Pre Filter	1	
Carbon Filter	1	
Indoor Sensor	1	
Alarm Light Bar	1	
Max Hanger Bar	10	
Max Evidence Hanger	50	

🗔 Display & Control Panel			
	Display	Туре	Touch Screen LCD Panel
		Color	Blue
		Backlight	LED, White
		Number of Dots	240 x 128 (horizontal x vertical)
		Active Area	107,98 x 57,58 mm
	Control Panel	Туре	Touch Screen LCD Panel
		Operation Force	<100 g
		Durability	>1.200.000 times pen selections (Force:250g, Speed:2cm/sec)
		Insulation Resistance	>10 MΩ (DC 25 V)
		Linearity	$\leq \pm 1,5\%$ for both X and Y axis

	A Measurements		
	Relative Humidity Measurement	Location	Cabinet inside
		Range	0 – 99 % RH
		Accuracy	± 0.3 % RH (020 % RH) ± 1.5 % RH (2099% RH) (After Calibration) (Indoor Sensor)
		Resolution	0.01 % RH <10 % RH 0.1 %RH > 10% RH (Indoor Sensor)
	Temperature Measurement	Location	Cabinet inside
		Range	± 0,5 °C (at 25 °C)
		Accurancy	0.1 °C
		Resolution	Date (DD.MM.YY) and Time (hh.mm.ss) display with RTC

Ľ	🕅 Alarm Functions	
	Alarm Type	Standard Internal Buzzer, Optional Alarm Light Bar
	Alarm Duration	Adjustable, Internal Buzzer: 0-60 sec. Alarm L. Bar: 0-60 sec
	Door Left Open Alarm	Adjustable Time to Alarm: 10 – 240 seconds
	Filter Exceeded Life Time Alarm	Adjustable by user
	Pre Filter Exceeded Life Time Alarm	Adjustable by user



Ninhydrin Cabinets





XSC-600-ND and XSC-300-ND

• Some fingerprints are produced by the deposition of fingerprint residue from the fingers' pores when they meet a surface. This fingerprint residue consists mainly of aqueous components. While the aqueous composition is %98 remaining part contains detectable amount of amino acids. EMT Forensics Ninhydrin cabinets accelerate development of fingermarks. EMT engineered cabinets provides optimum temperature and humidity for the best fingermark development environment, mostly for porous surfaces.

• EMT Forensics Ninhydrin Cabinets are offered in 2 different sizes. Law enforcement agencies may choose depending on the size and volume of evidence they are dealing with.

Some features of **XSC-600-ND and XSC-300-ND**

Homogenous Distribution

Thanks to the unique design of air circulation system, homogenous distribution is ensured.

Automatic Door Locks

Features of automatic door locks and operation without keys are optimized process for materials handling and storage.

Unauthorized Access - RFID

Software provides passwords up to 8 operators and prevent unauthorized access to the examined items. You can also access to cabinet by RFID cards.

Smart Security System

The status of the doors is monitored with magnetic switches. The Door Ajar Alarm notifies user when the door is open or not closed properly.

Extraction Option

HEPA filter and air extraction unit are offered as option.

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Physical Specifications		
External Dimensions (WxHxD)	606 x 1990 x 750 mm	
Internal Dimensions (WxHxD)Non Isolated	604 x 1654 x 630 mm	
Internal Dimensions (WxHxD)Isolated	584 x 1634 x 630 mm	
Net Volume Non Isolated	625 lt	
Net Volume Isolated	600 lt	
Weight (Depends on Configuration)	134 kg	
Max. Load Capacity of a Shelf	50 Kg	
Height from Ground	30 mm	
Body Material	Electrostatic Painted Steel (AISI 430), Stainless Steel Interior Panel (AISI 430)	
Door Glass	24 mm Insulating Thermal Glass	
Shelves & Drawers	Stainless Steel (5 pcs.)	
) Electrical Specifications		

Voltage	220 -240 V AC 50 Hz – 110 V AC 60 Hz (±10%)
Current/ Max Power	10A - 16 A / 2200 W Max.
Average Power Consumption	50 W / Hour (Depends on Configuration)
Max Power Consumption/ Hour	3100 W

Operational Specifications		
	Humidity Set Range	0.5% - 50% RH (0,5 % to Ambient)
	Temperature Set Range (Optional)	15 °C - 100 °C (Ambient to Set Value)
	Time to Reach to Set Humidity Level from Ambient	<7 minute
	Number of Doors	2
	Door Lock	Automatic Solenoid Locks with Password

Display & Control Panel

r	Туре	Touch Screen LCD Panel
	Color	Blue
Display	Backlight Type	LED, White
	Number of Dots	240 x 128 (horizontal x vertical)
	Active Area	107,98 x 57,58 mm
	Туре	Touch Screen LCD Panel
	Operation Force	<100 g
Control Panel	Durability	>1.200.000 times pen selections (Force:250g, Speed:2cm/sec)
	Insulation Resistance	>10 MΩ (DC 25 V)
	Linearity	$\leq \pm 1,5\%$ for both X and Y axis



Measurements Cabinet inside (Standard), Cabinet outside(Option-Location al) 0 – 99 % RH Range Relative Humidity Measurement ± 0.3 % RH (0...20 % RH) ± 1.5 % RH Accuracy (20...99% RH) (After Calibration) (Indoor Sensor) 0.01 % RH <10 % RH -- 0.1 % RH > 10% RH Resolution (Indoor Sensor) Cabinet inside (Standard), Cabinet outside (Option-Location al) Range -20 - +100 °C ± 0,5 °C (at 25 °C) Temperature Measurement Accuracy 0.1 °C Resolution Date (DD.MM.YY) and Time (hh.mm.ss) display Date & Time with RTC

Ľ	🕅 Alarm Functions	
	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% - 40% Adjustable Time
	Temperature Level Alarm	After Door Close: 1 – 60 minutes
	Door Left Open Alarm	Adjustable Time to Alarm: 10 – 240 seconds

î	Environmental Operating Conditions	
Y	Relative Humidity	1% - 90% RH
	Temperature	15 °C – 30 °C
	Protection Class	IP 20

Features of Cabinet

Capacity	2 x 750W
Heating Type	Electrical, Heating Elements and Fans
Insulation Material	Elastomeric Rubber Foam, Thermal Conductivity <0,036 W/Mk
Control	Automatic
Number of Locks	1 Lock Each Door
Lock Type	Solenoid Controlled, Open Locked Status Monitor- ing
Control	Access Code Used As Password
Material	Stainless Steel
Max/ Cabinet	21
Minimum Shelf Height	60mm
Monitoring / Demounting	Easy with Shelf Holder Parts, No Tools Required
	Sliding Drawers
nas on Customers Requirements	Sliding Feeder Holders
Туре	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
	Capacity Heating Type Insulation Material Control Number of Locks Lock Type Control Material Max/ Cabinet Minimum Shelf Height Monitoring / Demounting nds on Customers' Requirement) Type Buzzer Noise Level Light Type and Colors Shape and Visibility Mounting Connection





Ŷ	🔀 Physical Specifications			
	External Dimensions (WxHxD)	606 x 1380 x 750 mm		
	Internal Dimensions (WxHxD)Non Isolated	603 x 790 x 615 mm		
	Internal Dimensions (WxHxD)Isolated	525 x 770 x 615 mm		
	Net Volume Non Isolated	325 lt		
	Net Volume Isolated	300 lt		
	Weight (Depends on Configuration)	120 kg		
	Max. Load Capacity of a Shelf	50 Kg		
	Height from Ground	30 mm		
	Body Material	Electrostatic Painted Steel (AISI 430), Stainless Steel Interior Panel (AISI 430)		
	Door Glass	24 mm Insulating Thermal Glass		
	Shelves & Drawers	Stainless Steel (2 pcs.)		
4)	A) Electrical Specifications			

	Voltage	220 -240 V AC 50 Hz – 110 V AC 60 Hz (±10%)
	Current/ Max Power	10A - 1500W Max
	Average Power Consumption	50 W / Hour (Depends on Configuration)
	Max Power Consumption/ Hour	2000 W

(Č	Dperational Specifications	
	Humidity Set Range	0.5% - 50% RH (0,5 % to Ambient)
	Temperature Set Range (Optional)	15 °C - 100 °C (Ambient to Set Value)
	Time to Reach to Set Humidity Level from Ambient	<7 minute
	Number of Doors	1
	Door Lock	Automatic Solenoid Locks with Password

🗔 Display & Control Panel

×	Туре	Touch Screen LCD Panel
	Color	Blue
Display	Backlight Type	LED, White
	Number of Dots	240 x 128 (horizontal x vertical)
	Active Area	107,98 x 57,58 mm
	Туре	Touch Screen LCD Panel
Control Panel	Operation Force	<100 g
	Durability	>1.200.000 times pen selections (Force:250g, Speed:2cm/sec)
	Insulation Resistance	>10 MΩ (DC 25 V)
	Linearity	$\leq \pm 1,5\%$ for both X and Y axis

Measurements Cabinet inside (Standard), Cabinet outside(Option-Location al) 0 – 99 % RH Range Relative Humidity Measurement ± 0.3 % RH (0...20 % RH) ± 1.5 % RH Accuracy (20...99% RH) (After Calibration) (Indoor Sensor) 0.01 % RH <10 % RH -- 0.1 % RH > 10% RH Resolution (Indoor Sensor) Cabinet inside (Standard), Cabinet outside (Option-Location al) Range -20 - +100 °C Accuracy ± 0,5 °C (at 25 °C) Temperature Measurement 0.1 °C Resolution Date (DD.MM.YY) and Time (hh.mm.ss) display Date & Time with RTC

Ľ	🕅 Alarm Functions	
	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% - 40% Adjustable Time
	Temperature Level Alarm	After Door Close: 1 – 60 minutes
	Door Left Open Alarm	Adjustable Time to Alarm: 10 – 240 seconds

î	Environmental Operating Conditions	
4	Relative Humidity	1% - 90% RH
	Temperature	15 °C – 30 °C
	Protection Class	IP 20

Features of Cabinet

	Capacity	2 x 750W	
Heater	Heating Type	Electrical, Heating Elements and Fans	
	Insulation Material	Elastomeric Rubber Foam, Thermal Conductivity <0,036 W/Mk	
	Control	Automatic	
	Number of Locks	1 Lock Each Door	
Automatic Door Lock (Optional)	Lock Type	Solenoid Controlled, Open Locked Status Monitor- ing	
	Control	Access Code Used As Password	
	Material	Stainless Steel	
	Max/ Cabinet	21	
Shelve Capacity	Minimum Shelf Height	60mm	
	Monitoring / Demounting	Easy with Shelf Holder Parts, No Tools Required	
Customized Storage Options(Depends on Customers' Requirement)		Sliding Drawers	
		Sliding Feeder Holders	
	Туре	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	
Alarm Light Bar (Optional)	Shape and Visibility	Cylindrical, 360° View	
	Mounting	Easy Attachable With Magnetic Base Plate, Built-In Screw Holes	
	Connection	4-Pin XLR Connector Behind Cabinet	



Down Flow Cabinets







Fingerprint Development Solutions

XDC-01 and XDC-02

• Fingerprint dusting is one of the most common fingerprint development methods. EMT Forensics produces high quality Down Flow cabinets to be used during dusting process. Our models are especially designed to provide maximum protection to prevent operators from inhaling powders or fumes.

• Our down-flow cabinets feature high level of filtration from different angles preventing dust to hang on the work area. Air flows through pre filter and HEPA (high efficiency particulate arresting) filters provide a safer work environment.

• EMT Forensics Down Flow Cabinets are offered in 2 models regarding their storage function.

🔀 Physical Specifications		
External Dimensions XDC-01 (WxHxD)	710 x 844,5 x 620 mm	
Working Surface Dimensions XDC-01 (WxHxD)	660 x 485 mm	
External Dimensions XDC-02 (WxHxD)	710 x 844,5 x 620 mm	
Working Surface Dimensions XDC-02 (WxHxD)	660 x 485 mm	
Weight	55 kg	
Body Material	Electrostatic Painted Steel (DKP)	
Working Table	Stainless Steel (AISI 304)	

	Electrical Specifications		
	Voltage	220 -240 V AC 50 Hz – 110 V AC 60 Hz (±10%)	
	Lighting	0.13A -31W	
	Air Filteration	0.51A-122W	
	Max Power	140 W	
	Average Power Consumption	122 W / Hour (Depends on configuration)	
(ž	Operational Specifications		
	Filters	HEPA Filter	High efficeny particle arrestance filter
		Pre Filter	Before entering HEPA filter
] Control Panel		
	ON / OFF	By button	
	Lighting	By button	
Q	🕅 Alarm Functions		
	Alarm Type		Visual alarm and buzzer
	Alarm Reason		When the efficiency of the filters decreased
	Alarm Duration		Until the filters are changed



Bullet Recovery Water Tanks

BWT-102 and BWT-250

BWT 102 and BWT 250 are designed to simplify the workflow of ballistic experts to speed up bullet recovery process in a safe environment.

Advanced features like easy to use, requiring simple training and low maintenance rates which makes us the premier solution globally

BWT-250





Ballistic Laboratory Solutions



BWT-102 Bullet Recovery Water Tank

Our bullet recovery water tank provides effective and high-performance solution to acquire comparison bullets from different types of firearms including rifles and pistols for ballistic examinations.

BWT-102 Bullet Recovery Water Tank is the fastest system when compared to conventional bullet recovery systems such as shooting into cotton tube and fleece layers. The system provides fast, safe, durable and easy to use features to ballistic experts along with accurate results.

Some features of **BWT-102**

Easy Installation

BWT 102 can easily be installed. It is designed to be assembled on-site with three separate parts which provides low logistics costs. In case your agency needs to relocate the tank, it can easily be carried.

Multiple Firing Capability and Cartridge Collecting Unit

Bullet recovery tanks are safe as they eliminate risks when compared to shooting at sand which may result in injuries due to ricochets. Our system is designed to collect cartridge casings that are ejected from the firearm. It also saves time from collection of fired cartridges. It is capable of multiple shooting tasks.

Interior Illumination & Bullet Collection Tray

Interior side of the BWT-102 is perfectly illuminated. Operators will be able to collect bullets in a luminous environment. The bullets that are fired into bullet recovery tank can be collected easily with fully automated Bullet Collection tray system just in minutes.

Healthy and Safe Environment for Operators

Operators can shoot in a clear and healthy environment. Harmful gases will be filtered and exhausted through our air filtering system. Operators can shoot in a safe and healthy environment where the risk of bullet deflection is eliminated. Released gases which are accumulated within the tank will be exhausted to prevent potential accidents.

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Physical Specifications
 External Dimensions (WxHxD)
 80x256x356 (cm)
 Internal Dimensions (WxHxD)
 70x110x310 (cm)

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BWT-250 Bullet Recovery Water Tank





Ballistic Laboratory Solutions



Our bullet recovery tank provides effective and highperformance solution to acquire comparison bullets from different types of firearms including rifles and pistols.

BWT-250 Bullet Recovery Tank is the fastest system when compared to conventional bullet recovery systems such as shooting into cotton tube and fleece layers. The system provides fast, safe, durable and easy to use features for ballistic experts along with accurate results.

Some features of **BWT-250**



Single Solid Body

BWT-250 is designed in a single body form that enables shooting with high caliber firearms such as 12.7mm (.50 BMG). The system is durable for high-pressure shooting conditions and equipped with shock absorbers under the tank. It is capable of multiple shooting tasks.



Smart Pressure Evacuation

While shooting into bullet recovery water tanks firearms are producing extremely high level of pressure. This pressure needs to be evacuated from the tank. Our Smart Pressure Evacuation System is designed to handle this formed pressure. This way, operators can shoot continiously without interruption.



Suction Wand

For bullet recovery a suction wand is utilized. Due to the requirement of high pressure durance, BWT-250 is designed in a single body . In order to collect the fired bullets from the water tank a suction wand is utilized. By activating the suction wand, the examiner is able to collect fired bullets and fragments in just minutes.

Y	Physical Specifications				
	External Dimensions (WxHxD)	124x163x335 (cm)			
	Internal Dimensions (WxHxD)	71.5x122x224 (cm)			









Ballistic Laboratory Solutions

BWT-102 and BWT-250 Comparison

FEATURES	BWT-102	BWT-250
Lifting Tray	\checkmark	×
Suction Wand	×	\checkmark
Ammunition Supported	*9mm, 7.62 mm, 5.56mm	*12.7 mm, 9mm, 7.62 mm, 5.56mm
Air Ventilation	\checkmark	\checkmark
Remote Trigger Shooting Option	\checkmark	\checkmark
Water Filtration	\checkmark	\checkmark
Shooting Counter	\checkmark	\checkmark
Velocity Measurement	~	✓

*Please ask for other supported special ammunition types .



RTS-100 Remote Trigger Station







Ballistic Laboratory Solutions



RTS-100

RTS-100 Remote Trigger Station is designed for carrying out safe firing. The system eliminates backfiring injury risk of the personnel through a remote-controlled trigger mechanism. Also, supports intermittent shooting at a specified frequency.

It is compatible with all BWT and FTS series and can also be used independently in polygon at aimless shooting tests.

Advantages



Eliminates risk of rebounding



Continuous shooting ability



Eliminates hearing loss



Angle adjustment (from 0 to 20 degrees)



Robust design



Steel construction



Wide range of supported firearm and ammunition



Reloading without removing the firearm

\bigoplus emtforensics.com



Mobile Bullet Recovery Center





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Ballistic Laboratory Solutions



-IN Variable size options (20 foot - 40 foot)

We offer custom made ballistic bullet recovery centers that comes in 20-40 foot container options.

Agencies can choose depending on their needs.



-I Customized Solutions

Our mobile test center can be customized according to customer requierements.

- RF-ID Entry/Exit Management,
- Camera Recording,
- Air Conditioning / Ventilation,
- Additional units



-Impored Design Option

Depending on customer request, testing center can be produced with armored BR6 steel construction.



-Indoor & Outdoor Usage Support

Our shooting systems can be placed in special designed mobile bullet recovery centers.

Agencies can enjoy the advantage of having a mobile bullet recovery center enabling them to perform shooting at any location including open fields.

Some of Our References



Ministry of the Interior (Turkey) General Directorate of Police



Presidency of the Republic of Turkey Presidency of Defence Industries



Ministry of the Interior (Turkey) The Gendarmerie General Command



United Nations



Albanian Institute of Scientific Police - Albania



Government of Dubai Dubai Police Force



Presidency of the Republic of Turkey Presidency of Defence Industries



Moldovan Police Agency



Kyiv Research Forensic Center of the Ministry of Internal Affairs of Ukraine





SSB KIRAÇ New Generation Criminal Investigation Vehicles





. Cabinets

Cabinets

Cabinets



Reveal the Unseen

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