

EMT FORENSICS

R e v e a l t h e U n s e e n

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.

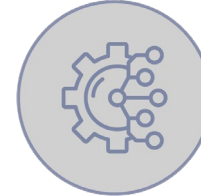
Currently EMT products are at service and in help of public and private institutions over 55 countries worldwide.

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



**DESIGN &
ENGINEERING**



PRODUCTION



TRAINING



CONSULTANCY



**SERVICE &
SUPPORT**



INTEGRATION



**GLOBAL
PRESENCE**



ACADEMY



Crime Scene Investigation

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, develop and present physical evidence.



Fingerprint Development

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

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.

Use cases



**Crime Scene
Investigation
Units**



**Evidence
Acceptance
Units**



**Fingerprint
Development
Laboratories**



**Police
Stations**



**Ballistic
Examination
Units**



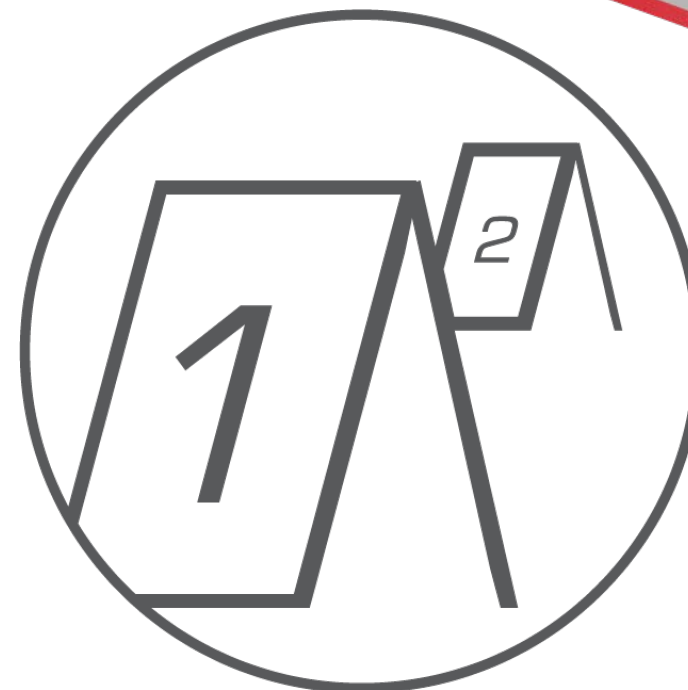
**DNA and Biological
Examination Units**



**Crime
Laboratories**



Solutions & Products



CRIME SCENE INVESTIGATION SOLUTIONS



XTC-1200-DK

XTC-800-DK

XSC-400-DK

XTC-1200-DK, XTC-800-DK and XSC-400-DK Evidence Drying Cabinets

XTC-1200-DK, XSC-800-DK and XSC-400-DK Evidence Drying Cabinets

EMT Forensics engineered Evidence Drying Cabinets are special designs for letting wet and dampish evidence air-dry. These cabinets prevent contamination of biological fluids keeping 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.



FINGERPRINT DEVELOPMENT SOLUTIONS

Fingerprint Development Solutions



XTC-1500-CY, XSC-800-CY and XSC-250-CY Cyanoacrylate Fuming Cabinets

XTC-1500-CY

XSC-250-CY

XSC-800-CY

XTC-1500-CY, XSC-800-CY and XSC-250-CY Cyanoacrylate Fuming Cabinets

- Cyanoacrylate fuming is one of the most common methods used in 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.



XSC-600-ND and XSC-300-ND Ninhydrin Cabinets

XSC-600-ND

XSC-300-ND

XSC-600-ND and XSC-300-ND Ninhydrin Cabinets

- 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 Ninhydrin Cabinets

Homogenous Distribution

Thanks to the unique design of air circulation system provides homogenous distribution.

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 materials & stored products. 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 to user when the door open or not being closed properly.

Extraction Option

HEPA filter and extraction unit are offered as option.



XDC-01 and **XDC-02** Down Flow Cabinets

XDC-01 and **XDC-02** Down Flow Cabinets

- 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.



BALLISTIC LABORATORY SOLUTIONS



BWT-250

BWT-102

BWT 102 and BWT 250 Bullet Recovery Water Tanks

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-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 riffles 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.

Bullet Recovery Water Tanks / 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 compare 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 minute

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





BWT-250

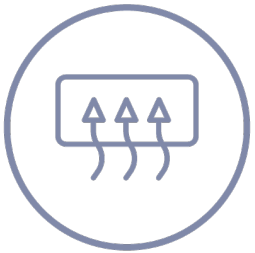
Bullet Recovery Water Tank

Our bullet recovery tank provides effective and high-performance solution to acquire comparison bullets from different types of firearms including riffles 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.



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 continuously without interruption.



Suction Wand

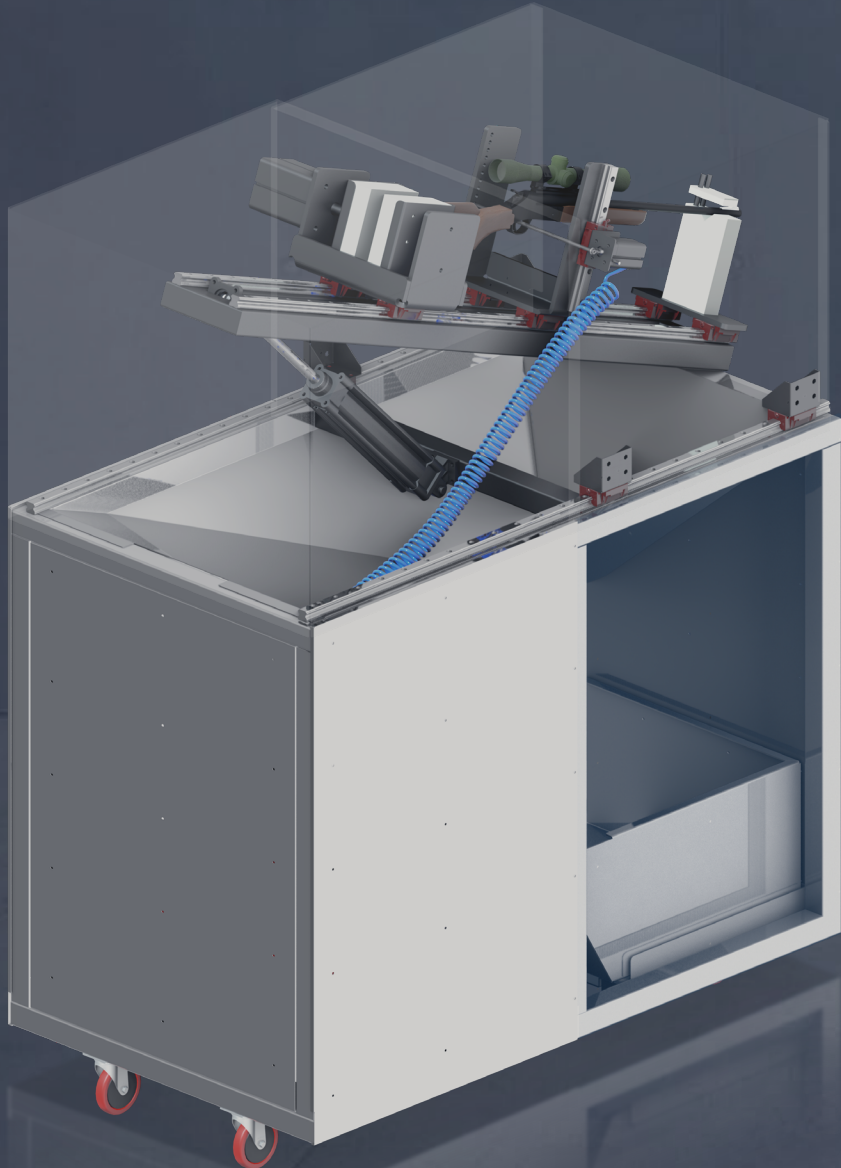
For bullet recovery a suction wand is utilized. Due to the requirement of high pressure duration, BWT-250 is designed in a single body. In order to collect the fired bullets from the water tank a suction wand is utilized. By activating the suction wand, the examiner is able to collect fired bullets and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

BWT-102 and BWT-250 Comparison

Features	BWT-102	BWT-250
Lifting Tray	✓	✗
Suction Wand	✗	✓
Ammunition Supported	*9mm, 7.62 mm, 5.56mm	*12.7 mm, 9mm, 7.62 mm, 5.56mm
Air ventilation	✓	✓
Remote Trigger Shooting Option	✓	✓
Water Filtration	✓	✓
Shooting Counter	✓	✓
Velocity Measurement	✓	✓

*Please ask for other special ammunition types

Remote Trigger Station



RTS-100
Remote Trigger Station



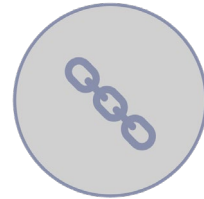
Advantages



Eliminates risk of rebounding



Eliminates hearing loss



Robust design



Wide range of supported firearm and ammunition



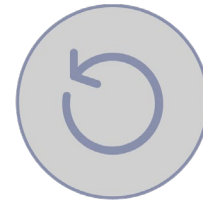
Continuous shooting ability



**Angle adjustment
(from 0 to 20 degrees)**

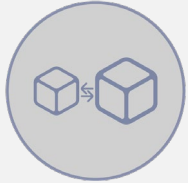


Steel construction



Reloading without removing the firearm

Mobile Bullet Recovery Center



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.



Customized Solutions

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

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



Armored Design Option

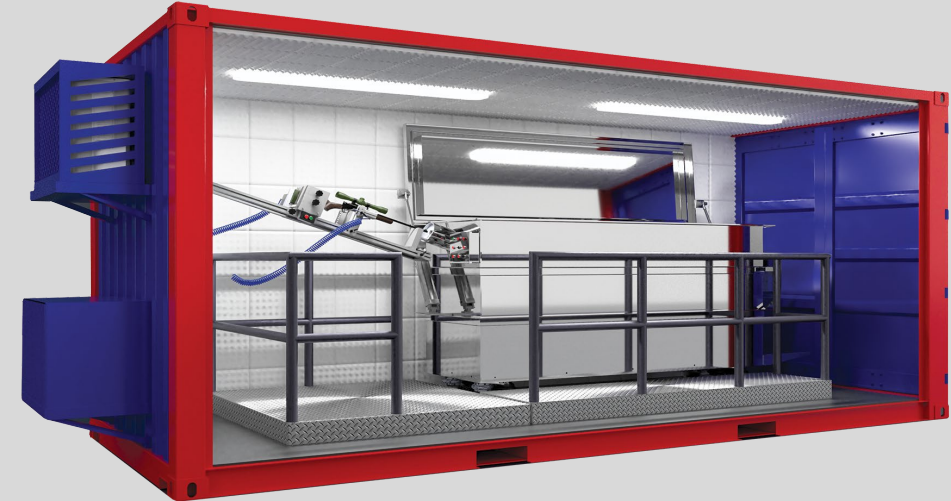
Depending on customer request, testing center can be produced with armored BR6 steel construction.



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



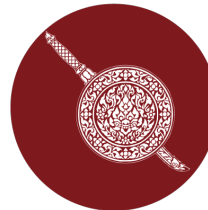
**Government of Dubai
Dubai Police Force**



Moldovan Police Agency



**Albanian Institute of
Scientific Police - Albania**



**Department of the Provincial
Administration of Thailand (DOPA)**



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

Some of Our References



Evidence Drying Cabinets




Cyanoacrylate Fuming Cabinets



Down Flow Cabinets



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