

A member of the  TAMAR GROUP

www.x-test.com • P.O.B 25100, Tel Aviv 61250, Israel • tel. +972-9-7466680 • fax +972-9-7466681 • info@x-test.com

ENHANCING YOUR SECURITY



X-Test™ is a member of the Tamar Group, an Israeli group of companies with more than 20 years of experience in the field of explosives and security.

Our team of security specialists, chemists, electricians and production technicians continues to develop new training aids, using the most advanced technologies.

Our goal is to enhance the human factor in the security sector, through the use of technology, education and training.

PRODUCTS AND SERVICES

- Explosive Simulants: Inert explosives and concealed inert IED (Improvised Explosive Devices) for teaching, on-going training and performance auditing. Our products closely replicate actual explosives in color, texture, odor (canine compatible), density and X-ray and CT signature.
- Screener Training and Operation Management System: XD Systems software enables easy management and rapid implementation of critical training.
- Courses and Training: programs for all relevant security environments.
- Consulting Services: Headed by former security officers, we offer comprehensive consulting services in all areas of expertise.

OUR CLIENTS

TSA (USA), UK Home Office, CATSA (Canada), STAC & DGAC (France) Schiphol Airport, Mexico City Airport, Katowice International Airport (Poland), Hong Kong International Airport, Belgium Airport Security and the Security Bureau of Chinese People's Armed Police Force.



TRAINING KITS



BASIC EXPLOSIVES RECOGNITION TRAINING KIT

X-TEST Product No. SECUR001

ABOUT THIS KIT

This kit contains a wide range of simulants that replicate the most commonly used explosive materials – military, commercial and improvised. It also contains various types of detonators, mechanical and electronic operating systems for IEDs (improvised explosive devices) and different operating switches.

TARGET AUDIENCE

This kit and its components are designed for training security personnel operating in airports, critical facilities, governmental facilities, land and marine transportation systems, as well as employees of law enforcement agencies. The kit allows the security personnel to become familiar with the broad range of explosive materials, detonators and operating mechanisms.



TECHNICAL SPECIFICATIONS



The kit includes the following simulants:

- C4 (1/2 lb / 225 gr)
- Semtex H (1/2 lb / 225 gr)
- Semtex A (1/2 lb / 225 gr)
- Semtex 10 (1/2 lb / 225 gr)
- ANFO (1/2 lb / 225 gr)
- TNT (1/2 lb / 225 gr)
- TNT flakes (1/4 lb / 112 gr)
- Deta sheet (6 mm, 1/4 lb / 112 gr)
- Dynamite (1/4 lb / 112 gr)
- Nitrocellulose/Guncotton (vial)
- RDX (vial)
- TATP powder (vial)
- Nitroglycerin liquid (vial)
- PETN (vial)
- Detonation cord (14 inch / 30 cm)
- Slow burn fuse (14 inch / 30 cm)

The kit includes the following accessories:

- Copper, aluminum and cardboard detonators (electrical and non-electrical)
- Electrical match head
- Russian chemical detonator
- Russian mechanical detonator
- British pencil detonator
- Transparent detonator
- Two improvised initiators
- Electronic and mechanical switches
- Electronic timer

BOOBY TRAP TRAINING KIT FOR SPECIAL FORCES

X-TEST Product No. SECUR002

ABOUT THIS KIT

This kit contains an assortment of booby trap mechanisms with audio and visual indicators that appear upon activation, anchoring accessories and inert IEDs.

The kit allows the user to simulate booby trapped arenas, and train in life like situations. The additional inert IEDs can be attached to the different booby traps and the anchoring accessories enable the user to attach the booby traps to walls, doorways, windows and other elements.

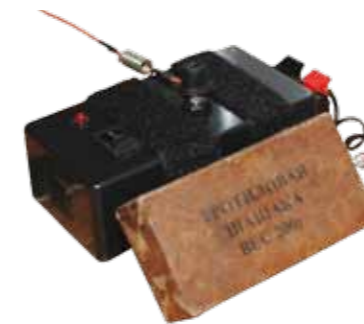
TARGET AUDIENCE

This kit is designed to be used by military special units and special law enforcement agencies that deal with hostage situation, hot entry and counter terrorism activities.

The kit is suitable for highly trained users with prior experience and knowledge.



TECHNICAL SPECIFICATIONS



The kit includes the following booby trap mechanisms:

- Tilt / acceleration (one unit)
- Lift (one unit)
- Stepping line (one unit)
- Trip wire (two units)
- Remote control (one unit)
- Time delay (one unit)
- Opening control (one unit)
- Motion detection (one unit)
- Light detection (one unit)

The kit includes the following accessories:

- Velcro tape
- Screws and nails
- Trip wire (role)
- Camouflage
- Electric wire
- Duct tape
- Box knife
- Cutter

The kit includes the following plastic IED replicas:

- Claymore mine (4 units)
- Plastic explosives (2 units)
- TNT bricks (4 units)

INITIATING MECHANISMS TRAINING KIT

X-TEST Product No. SECUR003

ABOUT THIS KIT

This kit contains a large assortment of initiating and firing systems that simulate those used in IEDs in a variety of scenarios – suicide attacks, terror attacks in aviation, remote controlled or timer activated explosive devices in VBIEDs (vehicle borne improvised explosive devices). The kit includes various active initiators with audio and visual indicators that appear upon activation.

TARGET AUDIENCE

This kit and its components are designed for training security personnel operating in airports, critical facilities, governmental facilities, land and marine transportation systems, as well as employees of law enforcement agencies. The kit enhances the level of operational preparedness and awareness of the security personnel and others, enabling them to identify a wide variety IEDs.



TECHNICAL SPECIFICATIONS



The kit includes the following initiating mechanisms:

- Time delay mechanism
- Immediate mechanism
- Remote control mechanism
- Cutoff mechanism
- Tilt / acceleration mechanism
- Lift mechanism

Initiating and firing systems specifications:

- All mechanisms are supplied with audio visual feedback
- System and mechanisms can be tailor-made
- All mechanisms are fully functional

BASIC X-RAY SCREENER TRAINING KIT

X-TEST Product No. SECUR004

ABOUT THIS KIT

This kit contains a wide assortment of detonators, switches, batteries and electrical components for training operators of security screening equipment. The components are packed in transparent epoxy molds, to enable effective training and preserve the integrity of the items. The kit was constructed based on extensive professional experience in training operators of X-ray machines operating in airports, critical facilities, governmental facilities, and other secured facilities.

TARGET AUDIENCE

The kit and its components are designed for training security personnel operating in airports, critical facilities, governmental facilities, land and marine transportation systems, as well as employees of law enforcement agencies.



TECHNICAL SPECIFICATIONS



The kit includes the following simulants:

- 2 cardboard detonators (electric and non-electric)
- 2 aluminum detonators (electric and non-electric)
- 2 copper detonators (electric and non-electric)
- 3 time pencil detonators (chemical and mechanical)

The kit includes the following switches:

- Toggle switches
- Mercury switch
- Button switches
- Cutoff switch
- Lift switches

The kit includes the following heavy clutter electronics:

- Electric engines
- Small transformers
- Condenser
- Potentiometer
- Transistor
- Relay
- Electronic chip
- Resistor

Electric components mold specifications:

- All components are affixed onto an X-Ray transparent epoxy mold
- All components are visible from all sides of the epoxy mold
- Components can be set on other types of tailor-made boards

The kit includes ten different batteries

ADVANCED EXPLOSIVES RECOGNITION TRAINING KIT

X-TEST Product No. SECUR005

ABOUT THIS KIT

This kit contains a wide range of explosive simulants and IED components. The simulants replicate the explosive materials most commonly used by terrorists – military, commercial and improvised. The kit also contains various types of detonators, as well as initiating systems for IEDs, fragmentation samples, batteries and a complete activation mechanism.

TARGET AUDIENCE

This kit is designed for training bomb squads, military and police personnel, EOD (Explosive Ordnance Disposal) teams, aviation security agents and employees of other law enforcement and security agencies. The kit allows the trainees to acquaint themselves with a wide range of explosive materials, detonators, initiating mechanisms and complete operating systems used in IEDs. The kit also enables conducting highly efficient training, using simulated IEDs that are as close as possible to the “real thing”, in commercial environments (classrooms, airports, public locations).



TECHNICAL SPECIFICATIONS



The kit includes the following simulants:

- Bulk simulants
- ANFO (1/4lb / 112 gr)
- C4 (1/2 lb / 225 gr)
- Dynamite (1/4 lb / 112 gr)
- Semtex 10 (1/2 lb / 225 gr)
- Semtex A (1/2 lb / 225 gr)
- Semtex H (1/2 lb / 225 gr)
- TNT (1/2 lb / 225 gr)
- TNT flakes (1/4 lb / 112 gr)
- Tovex (1/4 lb / 112 gr)

Inert simulant sheets

- Deta sheet (6 mm, green)
- Deta sheet (4mm, red)
- Deta sheet (2 mm, white)
- Improvised deta sheet (3 mm)

Inert simulants in vials:

- Black powder
- Chlorates powder
- Double based propellant
- EDGN liquid
- Nitrocellulose/guncotton powder
- Nitroglycerin liquid
- Per chlorate powder
- PETN powder
- PLX liquid
- RDX powder
- TATP powder

The kit includes the following detonators and accessories:

- Copper, aluminum & cardboard detonators (electric & non-electric)
- Electric match head
- Russian chemical detonator
- Russian mechanical detonator
- British pencil detonator
- Transparent detonator
- Detonation cord (40 inch / 100cm, green)
- Detonation cord (40 inch / 100cm, yellow)
- Slow burn fuse (40 inch / 100cm)
- Different fragmentation samples

The kit includes the following initiating mechanisms:

- Improvised initiators
- Barometer
- Cutoff mechanism
- Immediate mechanism
- Lift mechanism
- Timing mechanism
- Remote control mechanism
- Tilt / acceleration mechanism
- Electronic timer
- Different types of batteries
- Electronic & mechanical switches

CANINE EXPLOSIVES TRAINING KIT

X-TEST Product No. SECUR007

ABOUT THIS KIT

This kit contains six different non hazardous samples of the most common explosives in use by terrorist, both military and commercial grade. Scientifically developed, these samples contain the scent of the actual explosive they mimic to allow training of canine to detect the explosive. Expanded configuration is based on EU standards for canine explosive detection training.

This kit was tested and authorized by EU standards.

TARGET AUDIENCE

This kit is designed for field training, exercise and performance auditing of canine explosive detection units (EDD's).

The kit allows canine handlers to independently prepare and deliver training to their dogs and for canine supervisors to perform auditing programs.

TECHNICAL SPECIFICATIONS

The kit includes the following simulants:

Basic configuration

- C4 (200 gr)
- Dynamite (200 gr)
- TNT (200 gr)
- ANFO (200 gr)
- Semtex 10 (200 gr)
- RDX (200 gr)

Expanded configuration

- C4 (200 gr + 75 gr)
- Dynamite (200 gr + 75 gr)
- TNT (200 gr + 75 gr)
- ANFO (200 gr + 75 gr)
- Semtex 10 (200 gr + 75 gr)
- RDX (200 gr + 75 gr)



DO IT YOURSELF EXPLOSIVE SIMULANTS TRAINING KIT

X-TEST Product No.: DIY001

ABOUT THIS KIT

This kit enables security trainers and supervisors to construct simulated IEDs independently. It contains the four main components of IEDs – inert explosives (simulants), initiator, operating system and battery, as well as the required work tools. The kit is intended for use in a classroom or on the field, where a large number of simulated IEDs can be constructed in various configurations.

TARGET AUDIENCE

This kit and its components are designed for frontal training and exercises for various security users, law enforcement agencies and EOD (Explosives Ordnance Disposal) teams. Target audience includes security instructors, supervisors, security performance auditing units and more. The kit is suitable for use if highly trained users with prior experience and knowledge.



TECHNICAL SPECIFICATIONS



The kit includes the following simulants:

- C4 (2 lb / 0.91 kg)
- Semtex H (2 lb / 0.91 kg)
- Semtex A (2 lb / 0.91 kg)
- Semtex 10 (2 lb / 0.91 kg)
- TNT (2 lb / 0.91 kg)
- Deta sheet (1 lb / 0.45 kg)
- Detonation cord (33 ft / 10 m)
- Slow burn fuse (33 ft / 10 m)
- Dynamite (1/2 lb / 0.225 kg)
- Tovex (1/2 lb / 0.225 kg)

The kit includes the following tools:

- Wire cutter
- Box-cutter knives (2 sizes)
- Screwdrivers (set)
- Silicon gloves
- Plastic wrap
- Cutting board
- Double side adhesive tape
- Electric wires

The kit includes the following accessories:

- 10 electrical inert copper detonators
- 10 non-electrical inert copper detonators
- 10 electrical inert aluminum detonators
- 10 non-electrical inert aluminum detonators
- 10 electronic and mechanical switches
- 4 types of batteries
- 4 electronic timers
- 4 remote operating mechanisms (RF)
- 4 remote operating mechanisms (mobile phone)
- 4 remote operating mechanisms (motion detector)
- 4 remote operating mechanisms (altimeter)
- The kit includes ball bearings, nuts, nails and screws shrapnel sample

SIMULATED IEDS TRAINING KIT CONCEALED IN ELECTRIC DEVICES

X-TEST Product No.: AVSEC001

ABOUT THIS KIT

This kit includes IEDs (Improvised Explosive Devices) concealed in electric devices that simulate genuine IEDs, including their four main components – explosives, initiator, operating mechanism and a power source. This kit is constructed based on an analysis of aviation terror incidents and demonstrates the adversary's modus operandi.

TARGET AUDIENCE

This kit and its components are designed for teaching and training of security personnel, conducting exercises and testing the airport security system, with emphasis placed on X-ray screeners and on operators of hold baggage screening system - such as EDS (Explosives Detection Systems), AT (Advanced Technologies) systems, MVT (Multi View Tomography) and more. Airport security managers and aviation security regulators' red teams can test the hand and hold baggage security check system.

TECHNICAL SPECIFICATIONS

The kit includes the following simulated IEDs concealed in the following items:

- Shaving machine
- Laptop
- Phone (home device)
- Hair dryer
- Portable DVD
- Walkie-talkies
- Digital camera
- Video camera

*Items may vary according to inventory.

Simulants, packing, accessories and QC specifications:

- The kit contains instructional booklet including X-ray images and pictures of the concealment process
- Devices can be fully operational upon request
- Quality control includes testing with X-ray and CT machines



SIMULATED IEDS TRAINING KIT CONCEALED IN ARTICLES OF CLOTHING

X-TEST Product No.: AVSEC002

ABOUT THIS KIT

This kit includes IEDs (Improvised Explosive Devices) concealed in articles of clothing that simulate complete IEDs, including their four main components – explosives, initiating and firing system, operating mechanism and battery. This kit is constructed based on an analysis of aviation terror incidents, and demonstrates the adversary's modus operandi when targeting commercial aircraft. The simulant simulates an explosive material selected from X-TEST's unique line, at the defined threat mass.

TARGET AUDIENCE

This kit and its components are designed for teaching and training of security personnel, conducting exercises and testing the airport security system, with emphasis placed on X-ray screeners and on operators of hold baggage screening system -such as EDS (Explosives Detection Systems), AT (Advanced Technologies) systems, MVT (Multi View Tomography) and more. Airport security managers and aviation security regulators' red teams can test the hand and hold baggage security check system.

TECHNICAL SPECIFICATIONS

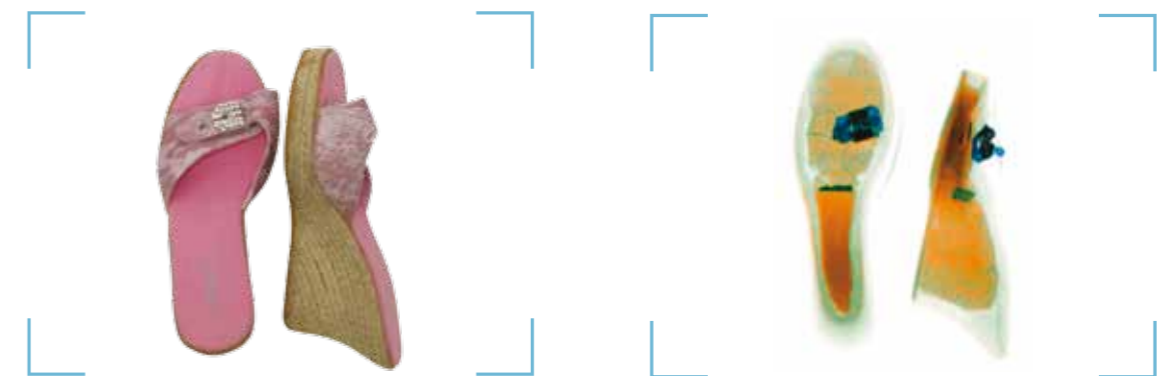
The kit includes the following simulated IEDs concealed in the following items:

- Pants
- Coat
- Jacket
- Hiking shoes
- Sandals
- Platform shoes
- Baby diaper
- Wig

*Items may vary according to inventory.

Simulants, packing, accessories and QC specifications:

- The kit contains instructional booklet including X-ray images and pictures of the concealment process
- Quality control includes testing with X-ray and CT machines



SIMULATED IEDS TRAINING KIT

SUICIDE BOMBER IED REPLICAS

X-TEST Product No.: AVSEC003

ABOUT THIS KIT

This kit contains a broad assortment of simulated IEDs (Improvised Explosive Devices) of the types used to perpetrate mass casualty attacks. These items include the five main components of such IEDs – inert explosives (simulants), operating mechanisms, power source and fragmentation.

The diverse simulated IEDs in this kit replicate explosive charges used by suicide bombers, remote controlled devices, devices with delayed activation mechanisms or combined mechanisms. They were constructed based on an analysis of past terror incidents and of the modis operandi employed by adversaries when preparing IEDs for mass casualty attacks.

TARGET AUDIENCE

This kit and its components are designed for training security personnel operating in airports, critical facilities, governmental facilities, land and marine transportation systems, as well as employees of law enforcement agencies.



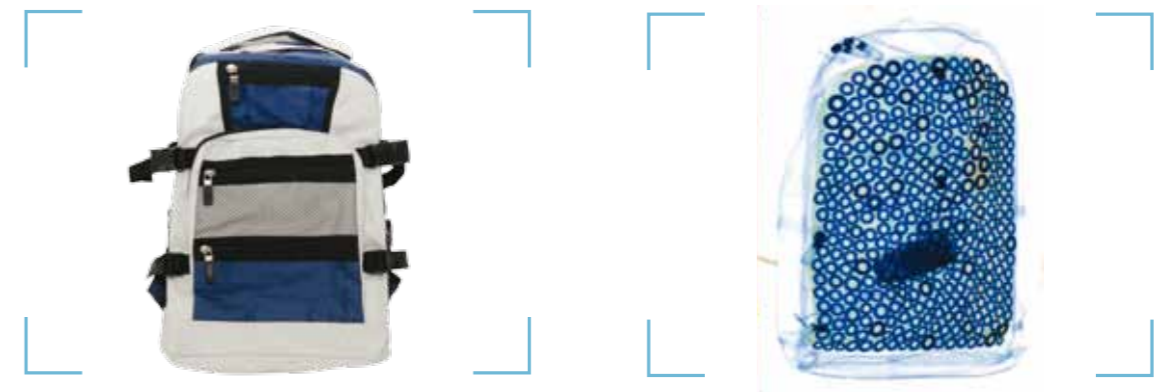
TECHNICAL SPECIFICATIONS

The kit includes the following simulants:

- Suicide belt – with C4 simulant and an electrical switch operating mechanism
- Suicide vest – with Semtex H simulant and an electrical switch operating mechanism
- Suicide coat with Detasheet simulant and an electrical switch operating mechanism (includes metal fragmentation)
- Trolley IED with Semtex 10 simulant and an electronic timer operating mechanism
- Backpack IED with C4 simulant and a mobile phone remote operating mechanism (includes metal fragmentation)

Packing, accessories and QC specifications:

- The kit includes pictures of the simulated IEDs, taken during the concealment process
- The kit includes X-ray images
- Items can include a buzzer as a special training feature



SIMULATED IEDS TRAINING KIT CONCEALED IN POSTAL ITEMS

X-TEST Product No.: AVSEC004

ABOUT THIS KIT

The kit contains simulated IEDs (Improvised Explosive Devices) concealed in various everyday items packed for mailing. Each item contains a concealed IED, including an operating mechanism, an initiator, a power source and a main charge.

TARGET AUDIENCE

This kit is designed for frontal training, exercise and performance auditing of security screeners, law enforcement agencies and EOD teams that deals with postal items. The kit is suitable for mail rooms, mail screening, courier companies and general screening technology operators.



TECHNICAL SPECIFICATIONS

The kit includes simulated IEDs concealed in the following items:

- Birthday card (in an envelope)
- Document folder
- Calendar (in an envelope)
- Book (packed)
- Box of chocolates (packed)
- Toy (wrapped)
- Portable DVD in original box
- Arabian lucky talisman (packed)

Simulants, packing, accessories and QC specifications:

- The kit contains instructional booklet including X-ray images and pictures of the concealment process
- Upon request special postal stamps and signs can be added to the packaging
- Quality control includes testing with X-ray and CT machine

