



SMART SOLUTIONS

For CROWD CONTROL



COMPANY PROFILE



With over 50 years of experience, **ISPRA** has built an international reputation based on innovative design, quality products, adaptation to changing market needs and excellent client service.





ABOUT US

Founded in 1969, ISPRA is a global leader in developing, manufacturing and marketing of non lethal devices for riot control, crowd management, anti terror equipment and police gear. Our brands- Ispra Less Lethal and Sentinel Tactical Gear are sold worldwide.

With over 50 years of experience, ISPRA has built an international reputation based on innovative design, quality products, adaptation to changing market needs and excellent client service.

Since 2019, ISPRA is part of Taavura group, a leading, privately held concern in Israel. Our advanced manufacturing plant, R&D center and management offices are based in Zichron Yaakov.

ISPRA Less Lethal Innovative product line has kept us in the forefront of non lethal ammunition throughout the years. We are developing today innovative products and solutions for the problems of tomorrow.

Sentinel Tactical Gear provides top-quality equipment for law enforcement, military and homeland security agencies. Sentinel Tactical Gear product line includes a full

range of ballistic protection personal gear, police duty gear, riot gear and tactical equipment.

ISPRA is a supplier for police and defense forces around the world, in over 35 countries including USA, Canada, Europe Asia, Central & South America and Africa. ISPRA is a preferred supplier by the Israeli Defense and Police Forces, Prisons Authorities and Anti-terror units.



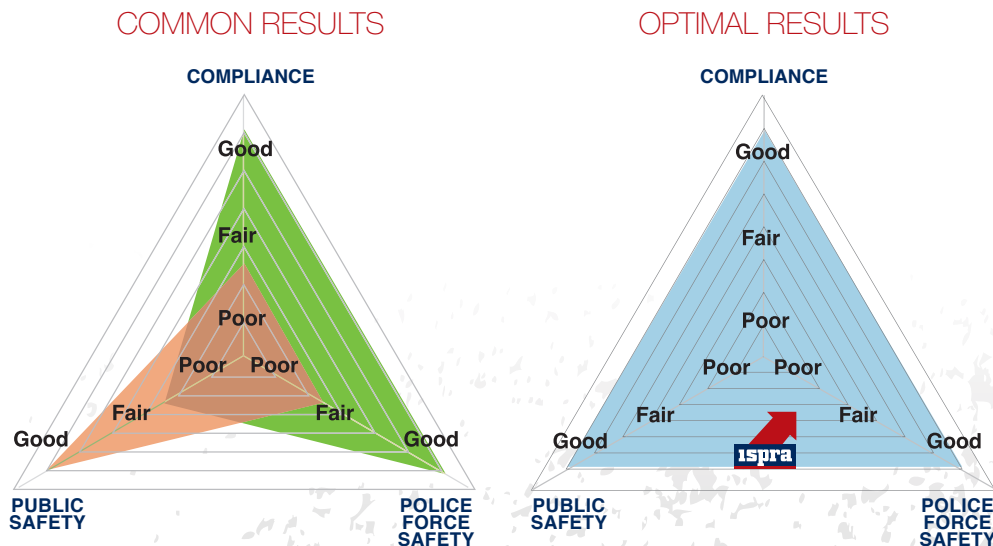
CEFC PRODUCT LINE

CEFC CONTROLLED ESCALATION OF FORCE CONCEPT

When dealing with riot situations, local police force objectives are to reach compliance while minimizing harm to civilians, police forces and public property. Current environment makes it increasingly difficult to maintain the fine line between Insufficient Use of Force Vs. Excessive Use of Force. Often, available tactics and Non-lethal devices do not provide enough tools to walk this fine line.

Rioters are trained and prepared to deal with police force tactics, leading to confrontations that result in injuries and property damages, fueling the already high tensions. A Tear-Gas grenade thrown back at the police force, apart from causing injuries and raising frustration within the force, also renders the use of tear-gas ineffective. This forces police to, reluctantly; increase the use of force, often resulting in unwanted injuries and escalation.

In order to sustain optimal “Balanced Force” and reach compliance while maintaining optimal balance between Public and police force safety, there is a need to update riot control measurements. The use of ammunition specially designed to deal with the new challenges of crowd control, yet maintaining Non-Lethal characteristics, can help modern police forces achieve their riot control objectives.



GOAL

Dispersing crowd with minimum use of force, by maintaining balance between three objectives:

1. Compliance
2. Public Safety
3. Police Force Safety

BALANCED FORCE
EXCESSIVE FORCE
INSUFFICIENT FORCE

NEW GENERATION OF LESS LETHAL AMMUNITION

ISPRA'S Product line features unique elements, developed in order to obtain the above mentioned objectives

High Flow Rate (HFR) Pyrotechnics - All Smoke Ammunition features ISPRA's exclusive High Flow Rate pyrotechnic formula.

HFR Pyrotechnics, produce large quantities of CS Agent smoke cloud in a short emission time. This is achieved without reducing the CS agent efficiency.

The use of High Flow Rate Pyrotechnic greatly minimizes crowd's ability to throw the smoke ammunition back at the security forces while CS agent is still being emitted.

HFR Pyrotechnics is in use in all ISPRA's Tear Gas ammunition models.

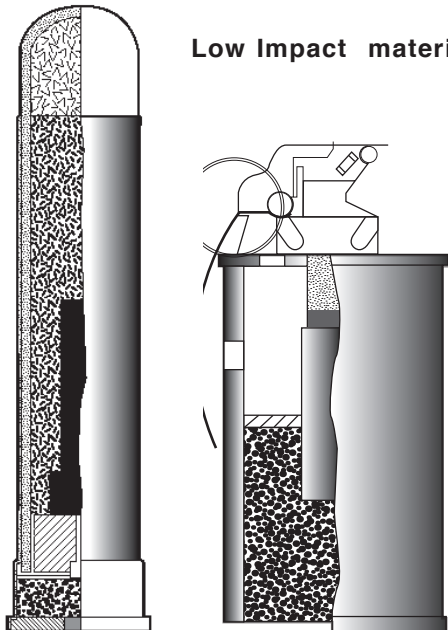
Low Impact materials - ISPRA has been investing in developing special materials with low impact characteristics, with the single aim of reducing injuries to a minimum. All our Fly Of lever mechanisms are made of Polymer (nonmetal) bodies. Our bursting grenades bodies are made of either soft rubber, composite fiberboard or our newly developed High Density Foam materials – all especially designed to reduce fragmentation impact and minimize injuries.

Multi effect ammunition – the use of Multi effect ammunition helps avoid unnecessary

force augmentation. Multi effect ammunition allows police forces to deliver a gradual effect step-up in terms of force used, while still maintaining non lethal characteristics.

Surprise effect feature - Such as loud blast, spinning grenades and the use of paint or sticky gel, cause individuals to snap out of “Mob Mentality” state of mind and reduce their will for confrontation. It also prevents “Trouble Makers” or “Mob leaders” from taking control over the rioters.

Counter Throwback (“boomerang effect”) features - Counter throwback features achieve a double purpose. They reduce the need for increase of force due to throwback incidents, and they help to maintain police force safety.



LESS LETHAL AMMUNITION



PROTECTOJET® MODEL- 5

PROPERTIES

The only real Anti-Mob tear gas ejector weapon, suitable for Indoor and Outdoor use. The Protectojet Model-5 can be used as an Offensive or Defensive device, capable of affecting a large group of aggressors, within few seconds, from a distance of up to 45 meters.

The Protectojet Model-5 contains CS or OC formulation.

Since its introduction to the market, ISPRA's Protectojet Model-5 has been in extensive operational use with many police forces, anti terror units, military forces and prison authorities in the USA and in Europe. It is a highly versatile device that can be used in diverse operational environments.

The new Model-5 Protectojet includes:

- Improved Safety mechanism integrated in the operator handle
- Ergonomic grips and improved carrier sling for comfort and durability
- Optional Integrated Tactical Flashlight

Each Protectojet is refillable using Refilling kits (sold separately)



KEY BENEFITS OF PROTECTOJET® MODEL- 5

TARGETING

Narrow fog stream enables selective targeting of specific individuals or Mob leaders

EFFECTIVE

Covers large distances and large groups of aggressors

EFFICIENT

Reduces the need to use indiscriminate force against the whole rioting group

FAST

Quick bursts can stop riots in seconds

DEFENSIVE USE

Highly effective as a defensive device for both police force and correctional facility staff

OFFENSIVE USE

Suitable for hostage situations and counter terror scenarios



LESS LETHAL AMMUNITION

TEAR GAS GRENADES

Hand thrown and launchable grenades with “High Flow” tear gas smoke emission

PROPERTIES

These tactical grenades have a “High Flow” Emission Rate of our CS smoke mixture, producing efficient effect in crowd dispersion, consequently minimising the possibility of the crowd picking them up and throwing them back at the security forces.

This group of grenades is presented in different types and sizes of outer body, to be chosen according to tactical needs.



TEAR GAS GRENADES		
1.	G303-CS	Rubber Body - CS Smoke Grenade
2.	G705-CS	Aluminum Body - CS Smoke Grenade
3.	G718-CS	Fiberboard Body - CS Smoke Grenade



“DOUBLE PURPOSE” GRENADES

PROPERTIES

Developed by ISPRA experienced staff, specially designed to give a smart and sophisticated answer to grenades “Throwback Phenomena”.

These grenades erupt, producing deterrent blasting noise of up to 120 dB, and at the same time disperse CS or OC chemical agents, causing confusion, disorientation of the crowd, suppressing their high motivation and extreme aggression capabilities. These grenades are made of soft body material, hence no major fragmentation injury occurs.

They are suitable when a non-fire producing delivery system is preferable.



		“DOUBLE PURPOSE” GRENADES
1.	G303-STCS	Rubber Body - Stun + CS Powder Grenade
2.	G303-STRB	Rubber Body - Stun + Rubber Balls Grenade
3.	G303-STRBCS	Rubber Body - Stun + Rubber Balls + CS Powder Grenade
4.	G303-STRP	Rubber Body - Stun + Color Dye Powder Grenade
5.	G303-STRBRP	Rubber Body - Stun + Rubber Balls + Color Dye Powder Grenade
6.	G718-STCS	Fiberboard Body - Stun + CS Powder Grenade
7.	G718-STRB	Fiberboard Body - Stun + Rubber Balls Grenade
8.	G919-STRB	HD Foam Body - Stun + Rubber Balls Grenade

LESS LETHAL AMMUNITION



“MULTI EFFECT” GRENADES

Hand thrown and launchable grenades with high flow tear gas smoke emission

PROPERTIES

This advanced revolutionary concept, developed by ISPRA, consists of suppressing crowds extreme aggression, using minor enforcement. When deployed, the “MULTI EFFECT” is highly effective using minor force.

This concept also gives a smart and sophisticated answer to the grenades “Throwback Phenomena”.

These grenades operate in two stages with three effects. After throwing or launching they emit “High Flow” of CS smoke. Few seconds later... surprisingly, the grenade explodes, creating a deterrent stunning noise accompanied by dispersion of either CS powder, rubber pellets, coloring agents, or sticky gel. The body of these grenades is made of composite fiberboard or polymer, hence, there is no fragmentation or injury when it explodes.

“MULTI EFFECT” GRENADES		
1.	G1010-CS	Multi Effect Grenade - CS Smoke + Stun
2.	G2020-CS/CS	Multi Effect Grenade - CS Smoke + Stun & CS Powder
3.	G3030-CS/RB	Multi Effect Grenade - CS Smoke + Stun & Rubber Balls
4.	G3030-CS/RBCS	Multi Effect Grenade - CS Smoke + Stun & Rubber Balls & CS Powder
5.	G3030-CS/RBOC	Multi Effect Grenade - CS Smoke + Stun & Rubber Balls & OC Powder
6.	G4040-CS/RP	Multi Effect Grenade - CS Smoke + Stun & Color Dye Powder
7.	G4040-CS/RPCS	Multi Effect Grenade - CS Smoke + Stun & Color Dye & CS Powder
8.	G4040-CS/RPOC	Multi Effect Grenade - CS Smoke + Stun & Color Dye & OC Powder
9.	G5050-CS/PS	Multi Effect Grenade - CS Smoke + Stun & CS Sticky Gel





STUN GRENADES

Hand thrown blast grenades

PROPERTIES

These grenades erupt producing deterrent blasting noise of up to 120 dB, causing confusion, disorientation of the crowd, suppressing their high motivation and extreme aggression capabilities.

These grenades are suitable in situations where chemical agents are not chosen or applicable, or pyrotechnic smoke may cause fire.

These grenades are made of soft body material, hence no major fragmentation injury occurs. They are suitable when a non-fire producing delivery system is preferable.



	STUN GRENADES	
1.	G808-ST	Metal Body - Stun Grenade - Multipole Uses
2.	G303-ST	Rubber Body - Stun Grenade
3.	G718-ST	Fiberboard Body - Stun Grenade
4.	G919-ST	HD Foam Body - Stun Grenade
5.	G909-ST	HD Foam Body (slim) - Stun Grenade

LESS LETHAL AMMUNITION

PEPPER AMMUNITION

ISPRA is offering a full range of Less Lethal devices in Oleoresin Capsicum (OC), ISPRA's proprietary developed OC formula (CAP-X) has an increased shelf life and maintains especially high levels of SHU for operational effectiveness. The CAP-X OC formula is Organic and it is easy to decontaminate its affected environment after use.

ISPRA offers OC less lethal delivery in the form of grenades, rounds and in the Protectoject® Model-5.



PEPPER AMMUNITION		
1.	C850-STOC	37/38mm Round - Stun + OC Powder
2.	C870-STOC	40mm Round - Stun + OC Powder
3.	C850Z-STOC	37/38mm Soft Head Round - Stun + OC Powder
4.	G303-STOC	Rubber Body - Stun + OC Powder Grenade
5.	G303-STRBOC	Rubber Body - Stun + Rubber Balls + OC Powder Grenade
6.	G718 -STOC	Fibreboard Body - Stun + OC Powder Grenade
7.	G2020-CS/OC	Multi Effect Grenade - CS Smoke + Stun & OC Powder

WHITE SMOKE AND TRAINING AMMUNITION

Hand thrown and launchable screening / signaling ammunition

PROPERTIES

These munitions serve mainly for the purpose of simulation, training, signaling, screening, rescue and self protection - by discharging dense white smoke.
Optional grey smoke.



WHITE SMOKE AND TRAINING AMMUNITION		
1.	C850-WS	37/38mm Round - White Smoke
2.	C870-WS	40mm Round - White smoke
3.	C850Z-WS	37/38mm Soft Head Round – White Smoke
4.	C850-3WS	37/38mm Round – Triple White Smoke Capsules
5.	G303-WS	Rubber Body - White Smoke Grenade
6.	G303-STWP	Rubber Body - Stun + White Powder Grenade
7.	G705-WS	Aluminium Body - White Smoke Grenade
8.	G718-WS	Fibreboard body - White Smoke Grenade
9.	G808-ST	Metal Body - Stun Grenade - Multipole Uses
10.	G1010-WS	Multi Effect Grenade - White Smoke + Stun
11.	Model-5 INERT	Model-5 Protectojet - INERT

LESS LETHAL AMMUNITION



TEAR GAS AND STUN ROUNDS 37/38mm & 40mm

PROPERTIES

The tear gas tactical rounds consist of a “High Flow” emission rate of our CS Smoke mixtures, producing a cost efficient effect in crowd dispersion.

The stun rounds erupt over crowd’s heads, producing a deterrent blast noise of up to 140 dB, causing confusion and disorientation of the crowd.

TEAR GAS ROUNDS		
1.	C850-CS	37/38mm Round - CS Smoke
2.	C870-CS	40mm Round - CS Smoke
3.	C850Z-CS	37/38mm Soft Head Round – CS Smoke
4.	C850-3CS	37/38mm Round – Triple CS Smoke Capsules
STUN ROUNDS		
5.	C850-ST	37/38mm Round - Stun
6.	C870-ST	40mm Round - Stun
7.	C850Z-ST	37/38mm Soft Head Round – Stun



“DOUBLE PURPOSE” ROUNDS

37/3 8mm & 40mm

PROPERTIES

These rounds combine the blast effect of the Stun rounds together with the dispersion of chemical agent. The explosion noise in addition to the chemical agent compels the crowd to quickly disperse.



DOUBLE PROPOSE ROUNDS		
1.	C850-STCS	37/38mm Round - Stun + CS Powder
2.	C850-STRP	37/38mm Round - Stun + Color Dye Powder
3.	C870-STCS	40mm Round - Stun + CS Powder
4.	C870-STRP	40mm Round - Stun + Color Dye Powder
5.	C850Z-STCS	37/38mm Soft Head Round – Stun + CS Powder
6.	C850Z-STRP	37/38mm Soft Head Round – Stun + Color Dye Powder



LESS LETHAL AMMUNITION

37/38mm & 40mm RUBBER IMPACT ROUNDS

PROPERTIES

ISPRA IMPACT ammunition is designed for a wide spectrum of incapacitation levels - from non-lethal pain compliance up to full non-lethal incapacitation - of a single target up to a group of aggressors.

All this in situations where chemical agents are not chosen or applicable.

Optionally, the aluminum shell rounds can also be supplied with 40mm caliber.



		IMPACT ROUNDS
1.	C850-1RB	37/38mm Round - Single Rubber Baton
2.	C850-3RB	37/38mm Round - Triple Rubber Batons
3.	C850-1RBR	37/38mm Round - Single Round Tip Rubber Baton
4.	C850-3RBR	37/38mm Round - Triple Round Tip Rubber Baton
5.	C850-XRB	37/38mm Round - 24 Rubber Balls
6.	C850-HRB	37/38mm Round - Triple Hollow Rubber Baton
7.	C870-1RB	40mm Round - Single Rubber Baton
8.	C870-3RB	40mm Round - Triple Rubber Baton
9.	C870-1RBR	40mm Round - Single Round Tip Rubber Baton
10.	C870-3RBR	40mm Round - Triple Round Rubber Batons
11.	C870-XRB	40mm Round - 24 Rubber Balls
12.	C870-HRB	40mm Round - Triple Hollow Rubber Baton

12 GAUGE ROUNDS

Short range 12 gauge impact rounds

PROPERTIES

ISPRA 12 gauge impact ammunition is designed for a wide spectrum of incapacitation levels - from non-lethal pain compliance up to full non-lethal incapacitation - of a single target to a group of aggressors. All this in situations where chemical agents are not chosen or applicable.



		IMPACT ROUNDS
1.	C12-1R-SLUG	12 Gauge round - 1 Rubber Slug
2.	C12-2RB	12 Gauge round - 2 Rubber Balls
3.	C12-9RB	12 Gauge round - 9 Rubber Balls
4.	C12-BBAG	12 Gauge round - Bean Bag
5.	C12-PRPL	12 Gauge round - Propellant Cartridge



DPAL ADAPTOR FOR RIFLES



PROPERTIES

This adaptor enables ISPRA grenades to be launched from NATO rifles to distances of up to 100 meters. The DPAL adaptor must be suited to the specific NATO rifle. DPAL patented design can fit various types of ISPRA grenades.

DPAL is suitable for the following grenades:

G303 (Rubber Ball), G1010, G2020, G3030, G4040 and G5050
Grenades are launched using suitable Launching cartridges.

* Additional adaptors / launchers for different kinds of firearms and grenades are available.



12 GAUGE PUMP - ACTION ANTI-RIOT GUNS

PROPERTIES

Offers strength, durability, smooth bind-free action. Suitable for launching less lethal 12 Gauge impact rounds, as well as launching grenades when mounted with the launching adaptor



		12 GAUGE ANTI RIOT GUN
1.	Caliber	12 Ga
2.	Capacity	7 + 1
3.	Barrel length	610mm
4.	weight	2.87Kg



SINGLE SHOT ANTI RIOT GUN

PROPERTIES

Rugged and reliable launcher designed to fire all 37/38mm rounds. The single shot riot gun is equipped with a trigger lock for safety and a barrel release latch that can be operated from both sides of the launcher. Equipped with folding stock made of advanced polymer materials as well as an ergonomic grip.



MULTI SHOT ANTI RIOT GUN

PROPERTIES

The multi shot anti riot gun can be loaded with 6 units of 37/38mm rounds . It is compatible to be used with the full range of ISPra made 37/38mm rounds. The multi shot anti riot gun is equipped with a trigger lock for safety and a barrel release latch that can be operated from both sides of the launcher. Equipped with a stock made of advanced polymer materials as well as an ergonomic grip.

		MULTI SHOT ANTI RIOT GUN	SINGLE SHOT ANTI RIOT GUN
1.	Caliber	37/38mm	37/38mm OR 40mm
2.	Capacity	6 Rounds	1 Round
3.	Length	81.5-91.5cm	75.5-85.5cm
4.	Weight	4.5kg	2.4Kg



TACTICAL GEAR

Sentinel Tactical Gear provides top-quality equipment for law enforcement, military and homeland security agencies. Providing them with the tools to complete their missions safely and effectively.

The Sentinel Tactical Gear product line includes a full range of police duty gear, protective gear and tactical equipment. These products are of the highest quality in terms of materials, construction and durability. Sentinel Tactical Gear products are tested and approved by our product development team with collaboration and field testing by our security force partners.

Products

- Riot protective gear
- Gas masks
- Ballistic protection gear
- Duty Gear

GAS MASKS

PROPERTIES

The Sentinel Tactical Gas Masks were developed specifically for officers during tactical deployment and crowd management situations for protection against NBC and riot control agents including CS, CN and OC.

The unique mask design delivers an extra wide field of vision combined with great comfort and flexibility. The mask has a 180 Degree peripheral viewing area, and is coated to absorb ultra violet rays. The Face Seal is soft and has a Spring Effect designed in S shape rubber seal. This allows the mask to be worn for an extended time of up to 120 hours.

		GAS MASKS
1.	RCGM 12	Riot Control Gas Mask
2.	TGM 11	Tactical Gas Mask
3.	TGM11 - CBRN	Tactical Gas Mask - CBRN



ADVANCE RIOT CONTROL SYSTEMS

RIOT CONTROL DRONE

Utilizing latest Drone technologies, ISPRA's Anti Riot Drone provides law enforcement units with an extremely large range mode of work, enabling them to react against rioters and demonstrators at an early stage of the event, at a distance while avoiding direct confrontation with rioters.

This unique and innovative solution, developed by Ispra, allows law enforcement units to react when a barrier or obstacle is separating between the parties.

With several drones, a continuous presence over the rioters can be maintained, dispersing non-lethal ammunition and providing commanders with real-time video image of the situation on the ground.

CYCLONE™
Riot Control Drone System



MULTI BARREL LAUNCHER – LONG RANGE SYSTEMS

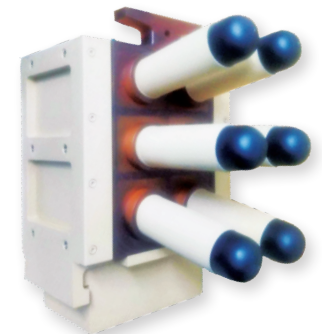
For extensive riots or in cases of particularly violent demonstrations Ispra developed the Multi Barrel Launcher (MBL).

The MBL delivers long range intensive force of non-lethal means in a short time.

The MBL system can be mounted on a vehicle, providing mobility as well as the ability to carry a significant amount of ammunition.

The high mobility and firepower delivered by the MBL system can reduce unnecessary escalation in situations, which otherwise can lead to the undesired use of lethal firearms.

THUNDERSTORM
MBL12 Multi Barrel Launcher





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