



NonLethal Technologies™

Less Lethal, Tactical
Munitions and
Weapons Systems for
Military, Corrections
and Law Enforcement

PRODUCT CATALOG



www.nonlethaltechnologies.com

History

The Company was originally formed in 1994 as an R&D firm by former Chemists of Federal Laboratories, and evolved into a full manufacturing operation in 2002, when it moved to its new 46 acre plant in Homer City, Pennsylvania. Over the last fifteen years, the product line has expanded dramatically, now providing a full line of less lethal force and tactical munitions, colored smoke grenades and projectiles, bulk chemicals, and the innovative IronFist® vehicle mounted weapon systems.

Capabilities

In addition to our standard product line, NLT can provide additional In-House services to our customers...

- In-House Synthesis of CS Crystals to US Mil Spec
- In-House Synthesis of OC Powders and Color Smoke Pyrotechnics
- In-House Custom Blending of Irritant Solutions and Powders
- In-House Production of military M201A1 Fuses
- In-House Production of Delay Mixes and Delay Tubes
- In-House Production of Custom Smoke Pellets to Customer Specs
- In-House OEM Loading and Chemical Supply

Sales

NonLethal Technologies restricts its domestic sales to the U.S. Department of Defense and the U.S. State Department.

International Sales may be direct with Foreign Governments or through Registered International Distributors providing local in-country support. International sales are subject to all U.S. laws which regulate and govern the sales and shipment of all NLT items covered under the U.S. Department of State and U.S. Department of Commerce. Currently, all NLT chemical and impact munitions, and all flashbangs are listed as Non-ITAR items and therefore processed through the U.S. Department of Commerce.

Quality Control

Rigorous inspection and certification of incoming parts to our specifications and continual in-process QA monitoring and testing of all our products in specially designed test chambers at our facilities insure the highest reliability and performance of our end products and strict conformity to our printed specifications. Our quality control procedures are compliant with US Dept. of Defense Mil-Q-9858 Standards.

Research & Development

Ongoing research and development is paramount to growth within our industry, and the NLT management, with over 50 years of combined experience in tear gas and less lethal munitions, devotes considerable time researching and designing new products and product improvements every day of the year...for the benefit of the men and women who put their life on the line every day of the year to protect the citizens of their country.

Training

All NLT products provide less-lethal force options. These products are restricted to law enforcement, corrections, and military personnel, and are designed to restore order or incapacitate a potentially dangerous individual temporarily. However, in very rare circumstances, less-lethal options may cause death or serious physical injury. Accordingly, any officer having the responsibility to use less-lethal force should receive proper training from their department to ensure the safest and most effective use of the product.

NonLethal Technologies can provide Specialized Training Programs for military, correctional, and law enforcement agencies throughout the world, through our internationally respected tactical defense training personnel, which can be performed either in the USA or In-Country.

Product Overview - Our Full Line of Munitions, Chemicals, and Weapons

Developed for Field Deployment and Training in Less Lethal Force Options...for the Military, Corrections, and Law Enforcement.



38mm and 40mm Projectiles and Grenades with CS, OC, Colored Smoke, TPA White Smoke, or HC

Distraction Devices



38mm and 40mm Weapons Systems
6, 12, 24 and 36 Barrel Configurations
Variety of Mounting Options Available



Bulk Chemical Irritants in Liquid, Powder, or Pelletized Pyrotechnic Forms



12 gauge, 38mm and 40mm Impact Munitions

Hi-Load™ and Special Munitions



Impact-Stun Grenades, Flash Bang Grenades, and Distraction Projectiles

NonLethal Technologies manufactures a full range of Rubber Ball-Impact-Stun grenades, Flash-Bang grenades and Flash-Bang projectiles in all three calibers (12ga., 37mm, and 40mm) to restore order in riot control situations on the streets and in correctional facilities, as well as to stun targets in tactical entry situations.

Impact-Stun Grenade



A variant of the Flash Bang, with stunning hard rubber pellets expelled at high velocity, blanketing a large impact circle, and the loud stunning explosive sound. This very effective grenade is available with .32cal or .60cal rubber pellets only, or with both pellets and CS or OC irritant powders.

RP-32 Rubber Ball Impact Stun Grenade
RP-32-CS Rubber Ball Impact Stun Grenade with CS
RP-32-OC Rubber Ball Impact Stun Grenade with OC
RP-60 Rubber Ball Impact Stun Grenade
RP-60-CS Rubber Ball Impact Stun Grenade with CS
RP-60-OC Rubber Ball Impact Stun Grenade with OC

Flash Bang Grenade



The best support device in tactical entry operations to stun and disorient the targets. Standard configurations in single, two, and seven Flash/Bangs. Other configurations available on special order. An extremely effective design for the entry team.

MP-FB Flash Bang Grenade
MP-FB-2 Two Flash-Bang Grenade
MP-FB-7 Seven Flash-Bang Grenade
MP-FB-T Flash-Bang Training Kit
New! - Low Roll Option

Distraction Projectile



When confronting a large crowd, it is often effective to supplement tear gas deployment with loud sound bursts over their heads to confuse and intimidate the crowd to disperse.

12-FB Flash Bang Projectile
12-MFB Muzzle Flashbang Projectile
MP-4-FB Flash Bang Projectile
MP-40-FB Flash Bang Projectile

Impact Munitions 12 Gauge, 37/38mm, and 40mm Impact Projectiles

NonLethal Technologies manufactures a full range of impact projectiles and cartridges, to target small groups or individuals in crowd control or tactical situations.



12 Gauge Cartridge

Where the shotgun is the standard tactical weapon, NLT provides a number of impact loads to fit the less lethal mission.

- 12-RB3 .60cal Rubber Ball Cartridge
- 12-RB18 .32cal Rubber Ball Cartridge
- 12-RB18HV .32cal Rubber Ball Cartridge
- 12-PF Finned Rubber Projectile
- 12-BB Bean Bag Cartridge



37/38mm Cartridge

Impact rounds in 37/38mm are commonly used indoors at correctional facilities and in close quarter confrontations with small groups of violent protesters.

- MP-4-R3 Rubber Baton (3) Cartridge, 37/38mm
- MP-4-F3 Foam Rubber Baton (3) Cartridge, 37/38mm
- MP-4-RB3 .32cal Rubber Ball Cartridge, 37/38mm
- MP-4-RB6 .60cal Rubber Ball Cartridge, 37/38mm
- MP-4-BB Bean Bag Cartridge, 37/38mm



40mm Cartridge

U.S. military police units have trained on and deployed a range of 40mm impact munitions as their primary less lethal force option.

- MP-40-R3 Rubber Baton (3) Cartridge, 40mm
- MP-40-F3 Foam Rubber Baton (3) Cartridge, 40mm
- MP-40-RB3 .32cal Rubber Ball Cartridge, 40mm
- MP-40-RB6 .60cal Rubber Ball Cartridge, 40mm
- MP-40-FX Impact Projectile, 40mm
- MP-40-FX-OC Impact Projectile w/OC Dust, 40mm
- MP-40-FX-OM Impact Projectile w/Orange Marker, 40mm

Barricade Penetrator



Our Barricade Penetrator rounds are designed to be fired with great accuracy through windows or wooden doors to release a cloud of irritant powder to deny access or to extract a barricaded individual. Available in 12ga., 38mm and 40mm.

- 12-BP-PCS
- MP-4BP-PCS
- MP-40-BP-PCS

- 12-BP-POC
- MP-4BP-POC
- MP-40-BP-POC



Chemical Irritant Grenades-Pyrotechnic and Blast-Powder



Hand Ball
Pyrotechnic
Grenade

NLTs Hand Ball pyrotechnic grenades deliver a large cloud of irritant agent within 15 seconds.

The jet-action design reduces the risk of *throw-backs*.

HB-CS Hand Ball Grenade

HB-WS Hand Ball Grenade (Training)

Pyrotechnic
Grenade



Baffled
and Vapor
Grenades



Blast
Grenade



NonLethal Technologies produces the largest selection of pyrotechnic grenades for crowd control - for any size disturbance.

MP-1-CS Pocket Grenade

MP-1-WS Pocket Grenade (Training)

MP-15-CS Pocket Grenade

MP-15-WS Pocket Grenade (Training)

MP-2-CS Grenade

MP-2-WS Grenade (Training)

MP-2L-CS Grenade

MP-2L-WS Grenade (Training)

MP-3-CS Triple Action Grenade

MP-3-WS Triple Action Grenade (Training)

MP-3M4-CS Quad Action Grenade

MP-3M4-WS Quad Action Grenade (Training)

Our Baffled Grenades are designed to eliminate the risk of fire when deploying in dry grass areas outdoors or use the Vapor or Flameless Expulsion Grenades when deploying indoors to extract individuals.

MP-2B-CS/OC Baffled Grenade

MP-2BSD-CS/OC Baffled, Side Discharge

MP-2FE-CS/OC Flameless Expulsion Grenade

MP-2-V-CS/OC Vapor Grenade

When concern for *throw-backs* is an issue, the blast grenade is a good alternative in crowd control.

MP-BD-2-CS Blast Grenade

MP-BD-2-OC Blast Grenade

MP-BD-2-WD Blast Grenade (Training)

MP-BD-40-CS Blast Grenade

MP-BD-40-OC Blast Grenade

MP-BD-40-WD Blast Grenade (Training)

RB-CS Blast Grenade

RB-OC Blast Grenade

RB-WD Blast Grenade (Training)

Chemical Grenades-Pyrotechnic Colored Smoke

NonLethal Technologies manufactures a full range of military M-18 type colored smoke grenades, for use by military and law enforcement agencies in signaling, training, and distraction.



**Law
Enforcement
Pyrotechnic**

The MP-1, MP-15, and the MP-2 Series grenades are all available in Red, Green, Yellow, Orange, Blue, Violet, and White Smoke, and are an effective psychological tool when mixed with CS chemical deployment in crowd control operations



**Military
Type M18
Pyrotechnic**

The MP-2S Series grenades are produced to military standards and performance specifications, for signaling purposes or as an obscurant, in both training exercises and field operations of military forces around the world, emitting a large cloud of colored smoke for 50 seconds.

MP-2S-WS White Smoke Grenade, TPA
MP-2S-HC Grey Military Hexachloroethane
MP-2S-R Red Smoke Grenade
MP-2S-G Green Smoke Grenade
MP-2S-Y Yellow Smoke Grenade
MP-2S-O Orange Smoke Grenade
MP-2S-B Blue Smoke Grenade
MP-2S-V Violet Smoke Grenade



**Baffled
Pyrotechnic**

For Military Forces around the world, this is the grenade of choice either in training exercises or during operations to avoid starting a fire when in an area of extremely dry weather conditions.

MP-2B Series Baffled Colored Smoke Grenades Available in: Red, Green, Yellow, Blue, Orange, Violet, or TPA White



Chemical Munitions 37/38mm Projectiles and Cartridges-Blast and Pyrotechnic

NonLethal Technologies manufactures a full range of 37/38mm projectiles, in both pyrotechnic and blast configurations.



Blast Projectile



Use blast projectiles to lay down irritant powder over a crowd or at one edge of the crowd to push them away from the area of confrontation, with safe fiberboard body.

MP-4BD-CS Blast Projectile
MP-4BD-OC Blast Projectile
MP-4BD-WD Blast Projectile (Training)

Muzzle Blast Cartridges



Muzzle blast cartridges are best used in close quarter missions either on the street or indoors at correctional facilities deploying a dense cloud of irritant dust.

MP-4MB-CS Muzzle Blast Cartridge
MP-4MB-OC Muzzle Blast Cartridge
MP-4MB-WD Muzzle Blast Cartridge (Training)
MP-6MB-CS Muzzle Blast Cartridge
MP-6MB-OC Muzzle Blast Cartridge
MP-6MB-WD Muzzle Blast Cartridge (Training)

Pyrotechnic Projectile



NLTs 37/38mm pyrotechnic projectiles give the tactical officer many options in range and irritant load, and are available with mini-grenades for maximum force coverage of irritant smoke.

MP-4L-CS Projectile, Long Range
MP-4L-WS Projectile, Long Range
MP-6XLD-CS Projectile, Extended Range
MP-4S-CS Projectile, Short Range
MP-4S-WS Projectile, Short Range
MP-4M3-CS Multi-Projectile (3 sub-munitions)
MP-4M3-WS Multi-Projectile (3 sub-munitions)
MP-4M4-CS Multi-Projectile (4 sub-munitions)
MP-4M4-WS Multi-Projectile (4 sub-munitions)
MP-6M5-CS Multi-Projectile (5 sub-munitions)
MP-6M5-WS Multi-Projectile (5 sub-munitions)



Chemical Munitions 40mm Projectiles and Cartridges-Blast and Pyrotechnic

Our 40mm pyrotechnic projectiles provide the tactical officer with a full set of options in crowd control, and using the six shot Multi-Launcher can place a very large volume of irritant agent at the area of confrontation.



**Blast
Projectile**

The same blast projectiles but in 40mm to lay down irritant powder over a crowd with safe fiberboard body.

MP-40BD-CS Blast Projectile
MP-40BD-OC Blast Projectile
MP-40BD-WD Blast Projectile (Training)



**Muzzle Blast
Projectile**

Our 40mm muzzle blast cartridges are mission specific to close quarter riot control on the street or indoors at correctional facilities.

MP-40MB-CS Muzzle Blast Cartridge
MP-40MB-OC Muzzle Blast Cartridge
MP-40MB-WD Muzzle Blast Cartridge (Training)



**Pyrotechnic
Projectile**

NLTs 40mm pyrotechnic projectiles give the tactical officer mission specific options in range and irritant load, and are available with mini-grenades for broader coverage of irritant smoke.

MP-40L-CS Projectile, Long Range
MP-40L-WS Projectile, Long Range
MP-40LD-CS Projectile, Long Range, Ext. Range w/ Delay
MP-40LD-WS Projectile, Long Range, Ext. Range w/ Delay
MP-40S-CS Projectile, Short Range
MP-40S-WS Projectile, Short Range
MP-40M3-CS Multi-Projectile (3 sub-munitions)
MP-40M3-WS Multi-Projectile (3 sub-munitions)
MP-40M4-CS Multi-Projectile (4 sub-munitions)
MP-40M4-WS Multi-Projectile (4 sub-munitions)



37/38mm and 40mm Pyrotechnic Colored Smoke Projectiles

NonLethal Technologies manufactures a full range of 37/38mm and 40mm pyrotechnic projectiles, in a wide variety of colored smoke or white smoke for obscuring, signaling or training.

MP-4L Series



37/38mm

The MP-4L Long Range Colored Smoke Projectiles can be used for signaling, and training applications. This round is also effective for use as a distraction in tactical situations.

MP-4L Series Available in Red, Green, Yellow, Blue, Orange, Violet, TPA White

MP-6XLD Series



37/38mm

The MP-6XLD Extended Range Smoke Projectiles are designed to launch a colored smoke projectile over 200 meters downrange. Our 37-38/40 aluminum alloy cartridge cases are designed to reliably fire and extract from all 37/38mm gas/riot guns currently on the market. They can also be fired from M79 type 40mm grenade launchers and M203 type launchers.

MP-6XLD Series Available in Red, Green, Yellow, Blue, Orange, Violet, TPA White

MP-40 L Series



40mm

The MP-40L Long Range Colored Smoke Projectiles can be used for signaling, and training applications. This round is also effective for use as a distraction in tactical situations.

MP-40L Series Available in Red, Green, Yellow, Blue, Orange, Violet, TPA White

Security Systems & Support...For Correctional and Government Facilities

NonLethal Technologies manufactures a variety of indoor use grenades ideal and effective for indoor barricade situations and for prison and correctional facility use.



Aerosol Vapor Grenade

The MP-2V and MP-15V Series Vapor Grenades deliver a cloud of irritant vapor with a discharge time of 1 to 3 seconds. They are designed for indoor use with no fire hazard. They are also effective in many outdoor applications with the quick discharge preventing any possibility of throwback.

MP-15V-CS Aerosol Vapor Grenade
MP-15V-OC Aerosol Vapor Grenade
MP-2V-CS Aerosol Vapor Grenade
MP-2V-OC Aerosol Vapor Grenade



Launcher Cup and Multi-Purpose Grenades

These unique grenades deploy the highest payload of Chemical Irritant in the industry and have a selector switch on the grenade to set either a 2 second delay for throwing by hand, or a 5 second delay for launching from a 12 gauge shotgun.

M-1395 Launcher for 12 gauge Shotguns
MPG-N-110-IT Training Grenade
MPG-N-110-CS Grenade
MPG-N-110-OC Grenade

TG Guard™ Systems

The TG Guard System™ is designed to provide critical force protection for personnel and facilities by use of remotely deployed tear gas as a deterrent to control disturbances, uprisings, and riots in any facility where protective security is required, whether it be prisons, government buildings, or embassies.

The basic TG Guard™ Control Unit can operate and discharge up to 25 tear gas Dispensers selectively, which then can protect the dining areas, work areas, recreation areas, sally ports, and halls of most prison facilities, or critical approach areas of government buildings and embassies such as entry points, communications rooms and armories. Larger facilities can use multiple Control Units and Dispensers to accommodate their security needs.

Systems consist of the Control Unit, Single and Multiple Dispenser Housings, and the Tear Gas Dispensers. Systems can be retrofitted into existing facilities or designed into the initial planning of new facilities. Contact NLT sales for more details on system design and hardware costs.





Bulk Chemical Irritants - Training Materials

Bulk Chemical Irritants

NonLethal Technologies produces custom liquid or solid formulations and blends of chemical irritant agents (CS, OC, and dyes) in any percentage for use in water cannons, for refilling pressurized tanks in the field, or for thermal fogging generators. Packaging available in small quart containers up to 55 gallon drums.

Bulk Chemical Irritants in Liquid, Powder, or Pelletized Pyrotechnic Forms



Training Programs and Services

NonLethal Technologies stresses the need for frequent and regular training in less lethal force scenarios using both live and inert training materials to insure that the officer fully understands the value (and limitations) of less lethal force munitions when deployed...whether facing a crowd that becomes unruly or dangerous, or when confronted with a hostage situation, or when confronting a potentially dangerous individual, outdoors or indoors. Contact NLT for more details.

Military CS Training Capsules and Pellets



Training Materials



NonLethal Technologies has been providing CS Training Capsules (NSN 1365-00-690-8656) to the U.S. Armed Forces for several years to train recruits and reserve units in the proper fitting of their gas masks.

MP-FB-T Flash-Bang Training Kit
MP-2-WS White Smoke Grenade
MP-2S-WS White Smoke Grenade
HB-WS White Smoke Grenade
MPG-N110-IT Talc Training Grenade
MP-4-WS White Smoke Projectile
MP-40-WS White Smoke Projectile
MP-4M3-WS White Smoke Projectile
MP-4M4-WS White Smoke Projectile
MP-6M5-WS White Smoke Projectile
M Series Aerosols, Inert Training Loads in GEL, FOAM, FOG, and STREAM

Aerosols

NLT provides a full selection of aerosols for the patrol officer, the corrections officer, and tactical teams facing low to medium threat situations. Available in GEL, FOAM, STREAM, and FOG formulations, using either OC or CS, and in standard 5.5% or 10% active agent, or custom formulations.



M3-OC Series
M3-CS Series
M4-OC Series
M4-CS Series
M9-OC Series
M9-CS Series

Aerosol
Defense
Spray



The M-46 Series Horizontal Aerosol Projector consists of a pressurized tank with CS or OC liquid that disperses the chemical irritant up to 25-30 feet...designed for small crowd control operations.

Crowd
Control
Dispenser

NLT produces several larger and special use chemical aerosols for the correctional officer, and tactical units.

M9-TE-CS Series-For Tactical Entry or Extraction
M21-CS Series
M21-OC Series
For Correctional Use in Gel, Foam, and Stream formulations



Aerosol with
Tactical Entry/
Extraction
Tube

HiLoad
Aerosol

The IronFist™-The Weapon System for Rapid Deployment of 37/38mm Munitions

the IronFist™

The IronFist™...NonLethal Technologies' less lethal 38mm weapon system, employs a modular design of 6 barrel or 12 barrel vertical pods that can either be vehicle mounted or hard mounted on perimeter defensive structures, to rapidly deploy a blanket of less lethal munitions into, or over, a hostile crowd...a system that breach loads the same industry-standard conventional 38mm less lethal munitions already in your Armory or NonLethal Technologies specially designed HiLoad™ 10 inch 38mm rounds with higher capacity CS, Screening Smoke, Impact, or Flashbang deployment...all at far less cost than competitive proprietary squib fired systems

Because of its unique modular design, the IronFist™ can be configured in several forms to fit any tactical vehicle, whether hard mounted directly to the roof in front of a hatch, mounted on a revolving turret platform with remotely controlled elevation capability, or mounted on a Remote Weapon Station RWS.

The IronFist™ mounted on a revolving turret with up to remotely controlled 360° traversing and 0-60° elevation and firing capability.

Hand Held Controller is remotely operated in the cab of vehicle by Fire Control officer.

Our R-76 Replacement Option

With our R-76 pods, you can replace the old 76mm screening pods on remote weapon stations with two 40mm IronFist pods requiring no additional wiring or new fire control system, utilizing existing fire controls. Depending on vehicle mission, and barrel positioning, the R-76 could deploy 40mm parachute flares in night time operations, or forward area fire of tear gas or screening smoke in daytime operations.



8 inch
and
10 inch
HiLoad™
Munitions

40mm Barrel Option for IronFist™

IronFist™ Core 12 Barrel Vertical Pod

NonLethal Technologies' basic 12 barrel Vertical Weapon Pod, provides the vehicle systems integrator the ability to fit one or two on a simple roof turret, an open ring turret or a remote weapon station, delivering to the fire control officer a valuable escalation of force capability. When the threat is one of civil unrest, the IronFist™ can be loaded with any of the NonLethal Technologies' conventional less lethal 37/38-40mm rounds, or our Hi-Load™ 37/38-40mm rounds to rapidly deploy a blanket of less lethal munitions into, or over, a hostile crowd. If deployed as a 40mm system, the platform can deploy any of our standard 40mm less lethal and flashbang rounds, our 40mm white smoke rounds for screening, or even the 40x46 flare illumination rounds in night time tactical operations.

IronFist™ mounted on a Control Solutions CS5200 Ring Turret

HiLoad™ Munitions

NonLethal Technologies' 37/38-40mm designed rounds give the tactical commander a full range of mission specific less lethal options. Using our HiLoad™ Munitions (in the 8 inch and 10 inch shell models) in a 24 bbl IronFist™ 38mm System, a fire control officer can deploy up to 240 mini-grenades within seconds into a large riotous crowd, if needed.

40mm Less Lethal and the MP-781 Training Munition

When the IronFist™ is fitted with 40mm rifled barrels, the military commander can choose from a range of 40mm low velocity less lethal rounds, or any 37/38-40mm less lethal rounds. Also the 40mm low velocity MP-781 training round can be fired from these 40mm rifled barrels.





You can view our full set of technical data sheets
and our product video on our website.
www.nonlethaltechnologies.com



9419 Rt. 286 Highway West • Homer City, PA 15748, USA
Phone: 724.479.5100 • Fax: 724.479.5105
www.nonlethaltechnologies.com • email: info@nonlethaltechnologies.com