







THE LEADER IN NON-LETHAL DEFENSE SOLUTIONS

CSI is a U.S. based manufacturer and service provider to the U.S. Department of Defense and U.S. Department of Homeland Security Agencies. Founded in 1981, CSI's history is rooted in engineering and manufacturing of munitions and high quality components. Today, CSI produces a wide range of solutions in support of military operations, incuding:

Launching Systems

Warning Signals & Aerial Flash-Bangs

Tactical Munitions

Training Systems

Fuzes & Weapon Components

Non-Lethal Munitions

OUR HISTORY SHAPES OUR FUTURE

Our long-standing history of product innovation, paired with continuous research and development, makes CSI the standard of excellence in less lethal product manufacturing. With over 40 patents for our munitions and Penn Arms launchers, we are the industry leader in creating the highest quality and most consistent non-lethal weapons. We continue to pursue excellence and constant improvement in all areas.

EXCELLENCE IN ENGINEERING

CSI has set the global standard on non-lethal performance, beginning with the founding engineers who were dedicated to building a better product. Today, that focus continues as CSI manufactures precision components for weapons systems used by the United States military, and sets the standard globally for non-lethal performance.

All CSI customers receive the benefits of high quality, mil-spec components, such as the M201 and high explosive M213 fuze.

CSI holds patents for many premier non-lethal products such as the rapid dispersion grenades, multi-bang grenades, and pump-action grenade launcher.

UNRIVALED QUALITY

CSI is ISO 9001:2015 certified and DOD 4145.26-M compliant. CSI's military and homeland security customers are also development partners, which includes the U.S. Army, U.S. Navy, U.S. Marine Corps, USSOCOM, U.S. Air Force, and the Joint Non-Lethal Weapon's Directorate.

WWW.COMBINEDSYSTEMS.COM

WARNING: Products manufactured by Combined Systems are intended to and do cause varying degrees of pain, injury and death. The use of these products is restricted to military personnel in order to control the behavior of individuals, restore order in crowd and riot situations, temporarily incapacitate dangerous persons or fatally wound enemy combatants. Products made by Combined Systems may also cause damage to property. Persons using any Combined Systems products depicted in this catalog should receive proper training to ensure the safest and most effective use of the products.



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Hand thrown and launchable distraction devices, including standard output, extended output and multi-output light, sound, bursting and training grenades.

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High capacity variable payload launching systems can be mounted on a variety of platforms. These systems afford high capacity and superior payload variations with extended range and portability.

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Specialized military components, ranging from fuzes to rocket components.

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12 gauge and 40mm munitions, grenades, and flash bangs in various configurations provide an array of options for escalation of force, force multipliers, and non-lethal capabilities for subject control and crowd dispersal.



TACTICAL MUNITIONS

CSI conducts research into the development of specialized munitions and pyrotechnics providing certain tactical capabilities. These tactical munitions support scenarios requiring both the incapacitation of humans and materials.



TEC TORCH®

Model Number: C212 (Plate Penetrator) C112E (Rod Cutter)

TEC Torch® Thermal Erosion Cutting torch is a handheld cartridge based thermal cutting system that combines thermal energy and mechanical erosion to safely defeat a variety of breaching obstacles. Cartridges contain a proprietary thermite composition for optimal cutting performance. Cartridges burn for 2 seconds in excess of 3000°F. Plate penetrator penetrates up to ½" steel plate and the rod cutter will cut up to ¾" steel rod.



24/7 DOOR BREACHER™

Model Number: 2577 (12GA 24/7 BREACHER) An enhanced 12 gauge heavy weight material compressed and encased in a plastic envelope. The 24/7 Breacher enhances breaching capability from greater stand-off distance with minimum collateral damage.



DOOR BREACHER (M1030 TYPE AMMUNITION)

Model Number: 2570 (12GA DOOR BREACHER)

NSN: 1370-01-530-6571

This is a standard 12 gauge frangible slug of compressed zinc. This round has sufficient penetrating capability to disrupt and disable door looks, padlocks, hinges and other fasteners, such as bolts securing burglar bars. Following the impact of hardened door materials, the Door Breacher will disintegrate into a micropulverized powder.

THERMITE INCENDIARY GRENADE (M14 TYPE AMMUNITION)

Model Number: 6214

CTS Thermite Grenade reaches extremely high heat when it is ignited. It is used to destroy equipment, such as a gun breach or an engine block.

WARNING SIGNALS

CSI developed a variety of shoulder fired warning signals and flares in response to military requirements for vehicle check points, during convoys, and on naval vessels. The munitions are fired from 12GA or 40MM launchers to enable service members to determine the intent of approaching persons, vehicles or watercraft.

12 GAUGE 100 METERS

12GA WARNING SIGNAL

Model Number: 2590-1

(100 METER)

NSN: 1370-01-530-6486, LA51

Model Number: 2590-2

(200 METER)

NSN: 1370-01-530-6571, LA52

Model Number: 2590-3

(300 METER)

12-gauge aerial burst flash-bang munition with range options of 100, 200, and 300 meters.



12GA FLARE BANG

Model Number: 2590T-1 (100 METER)

Model Number: 2590T-3

(300 METER)

12-gauge aerial flash-bang munition with a red illuminscent flare for enhanced visual effect with range options of 100 or 300 meters.



40MM WARNING SIGNAL

Model Number: 4090-50

(50 Meter Red Trailing Warning Signal)

Model Number: 4090-1

(100 Meter Red Trailing Warning Signal) NSN:1310-01-534-8941

Model Number: 4090-2

(200 Meter Red Trailing Warning Signal)
NSN: 1310-01-534-8943

Model Number: 4090-3

(300 Meter Red Trailing Warning Signal) NSN: 1310-01-534-8945

Model Number: 4090-4

(400 Meter Red Trailing Warning Signal)

Model Number: 4090-5

(500 Meter Red Trailing Warning Signal)

Model Number: 4090-6

(600 Meter Red Trailing Warning Signal) 40MM aerial burst flash-bang munition, with range options of 50 to 600 meters.



TRIP FLARE & TRIP FLARE BANG

Model Number: M49A1

Built to the U.S. DOD military specifications, the M49A1 features 30,000+ candela flare and minimum 50 second duration burning time.

CSI also offers an audible 170DB warning signal option.



PEN FLARE WARNING SIGNAL

MODEL 80 (RED) MODEL 110 (GREEN) MODEL 134 (WHITE)
Based on US Navy design, these signals are extremely rugged, portable and reliable. Available in three colors and four kit configurations: red, green, white.
The signal flare is projected 250 feet and then initiates an aerial burst flash-bang.



FLASH-BANGS & NON-LETHAL BURSTING HAND GRENADES

CSI flash-bangs and NLBHG's grenades are built and tested to military ammunition standards, making them the leading brand in noise flash diversion devices. CSI's versatile portfolio of Flash-Bangs are used by law enforcement and military units worldwide, providing unrivaled reliability and functionality while maintaining a high degree of safety. CSI's Family of NFDD's features non-bursting, non-fragmenting devices performing with high reliability and incorporating superior fuze components with the patented and US Army adopted Confidence Clip™ and pin shroud.



FLASH-BANGS

Model Number: 7290 Model Number: 7290M

Top and bottom venting devices available in Mini-Bang® and full size. Both produce a thunderous loud bang and intense bright light. These devices will momentarily distract dangerous suspects during vehicle assaults, hostage rescue, room entry and other high-risk arrest situations.



NON-LETHAL BURSTING HAND GRENADE (NLBHG)

Model Number: 9590 (M104)

NSN: 1330016115508 9904

Multi-effects of flash and sound, while ejecting a radius of rubber pellets.





MULTI-BANGS

Model Number: 7290-2 (DoubleBang™)

Model Number: 7290-3 (3-Bang)

Model Number: 7290-4 (4-Bang)

Model Number: **7290-5** (5-Bang) Model Number: **7290-6** (6-Bang)

Model Number: 7290-7 (7-Bang)

Model Number: 7290-8 (8-Bang)

Model Number: 7290-9 (9-Bang)

The CSI Multi-Bang family features the low-roll DoubleBang™ and the extended effect 9-Bang. Top and bottom venting, non-bursting, non-fragmenting devices performing with high reliability and incorporating superior fuze components with the patented and US Army adopted Confidence Clip™ and pin shroud.



MK20 IMPROVED FLASH-BANG

Model Number: MK20 NSN: 1330016250052 9936

The MK20 improved flash-bang features distractive and disorienting light and sound output approximately 50x the duration of the standard flash-bang device.



7290 ENHANCED SUPERBANG

Model Number: 7290-SB

Similar to the MK20, CSI's commercial version of the MK20, the 7290SB, extends the duration of the flash and sound to 50x that of the standard flash-bang.

TRAINING DEVICES



FRAGMENTATION GRENADE TRAINING DEVICE

Model Number: 990010 (reloadable device body)

Model Number: 201155 (fuze)

Specifically designed for training, the Training Frag Grenade is a multiple use device with a high audible primer hit (80dB) and final output (120 dB).

Multiple use, 120 - 140 dB at 5'.



FLASH-BANG & STING-BALL TRAINING SYSTEMS

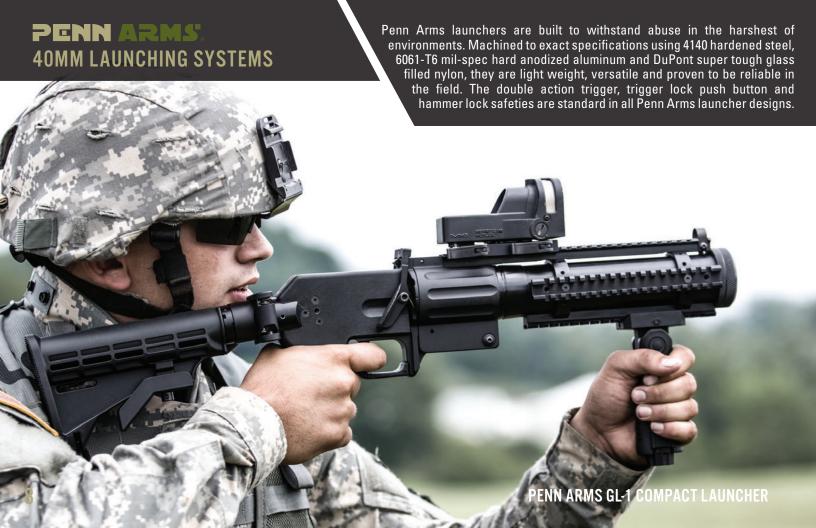
Flash-Bang Training Products:

Model Number:

7290T, 7290MT, 201FB, 201155 (fuze)

NLBHG/STINGBALL Grenade Training Products Model Number: 9590T. 201SB

CSI Flash-Bang and Sting-Ball products are complimented by training systems. Each operational device is supported by training devices weighing the same as their operational counterparts, but without the explosive charge. The training devices are bright blue for easy identification and can be used an unlimited number of times.



PENN ARMS. 40MM MULTI SHOT GRENADE LAUNCHER



Important:

All Penn Arms launchers shown here have available options including stock, grip, and barrel length modifications. Please ask your sales representative for more details.

GL65-40 MULTI-SHOT GRENADE LAUNCHER

Model Number: P540-1 (fixed stock)

The GL-65 is a patented spring advance action 40MM MSGL. The spring action cylinder advances the cylinder automatically after each round is launched.

- · Multi-Shot Break Open Design
- DAO Trigger
- 27.9 CM Barrel Length (11")
- Overall Length

Collapsible Stock 72.3 to 82.5 CM (28.5" - 32.5")

- Weight Unloaded 3.94 KG Unloaded (8.7 lbs)
- Rear Ghost Ring Aperture, Front Bead Sight
- Rail System

Model Number: P540-3 (collapsing stock)

The PGL65 is a patented pump-action 40MM multi-shot grenade launcher. The launcher is cycled by hand after firing to bring the next available round into the firing position. The magazine holds six rounds of low to medium velocity 40MM ammunition.

PGL6-40 LR HE/HEDP MULTI-SHOT GRENADE LAUNCHER

Model Number: PGL6-40LR

The PGL6-40LR features a contiguous rifling design and pump action advancing cylinder. This rugged and lightweight launcher is compatible with all Low and Medium Velocity HE/HEDP rounds (NATO SPEC), has a lock and release option as part of the pump mechanism, and comes with a variety of options for stock and sight applications.

PENN ARMS. 40MM UNDERMOUNT LAUNCHER



PENN ARMS. 40MM SINGLE SHOT LAUNCHER



40MM SINGLE LAUNCHER FOLDING COLLAPSING STOCK

A single break, top opening breach, folding and collapsing stock launcher evolving from the Penn Arms GL-1 design. The GL-1 Compact is intuitively designed with the tactical operator in mind.

- 40MM
- Single-Shot Break Open Design
- DAO Trigger
- 30.4 CM Barrel Length (12")
- Overall Length

Folded 44.4 CM (17.5")

Collapsed 66 CM (26")

Extended 76. 2 CM (30")

- 2.75 KG Unloaded (6.1 lbs)
- Rear Leaf Blade, Front Bead Sight
- Rail Set at 3, 6, and 9 O'Clock

Important:

All Penn Arms launchers shown here have available options including stock, grip, and barrel length modifications. Please ask your sales representative for more details.







38MM VENOM® 30-TUBE NLTLMS

Model Number: V3038
Developed for the USMC,
a 30-tube, lightweight, high capacity
38MM grenade launcher.
For mounted use on vehicles, tripod
mounts, and static installations.





VENSM FLASH-BANG MULTI-4

Model Number: V4094

A high-payload munition tube launching 4 flash-bangs simultaneously. Provides distraction and warning capability for extended durations during day and night operations.

VENSM CS MULTI-7

Model Number: V4238 (CS), V4217 (Smoke)

A high-payload tube with 7 irritant or smoke munitions providing the capability to deploy heavy volumes of irritant smoke over a broad area within seconds.









40MM



MULTI CALIBER NLTLMS

Product: V0566

Deployed remotely or with direct "tethered" fire on land and marine platforms, the VENOM® MC delivers a variety of different caliber grenades of varying payloads from high payload multi-submunition 38mm grenades, through long range and very accurate spin stabilized 40mm grenades up to high payload single munition 66mm grenades, all from the same launcher platform

The VENOM® MC is modular and is available in single, double and triple bank configurations. Each bank can launch ten (10) 38mm or 40mm grenades, and five (5) 66mm grenades. Reload time is identical for each caliber and the unique aspect of the system is that upon firing of up to ten 40mm grenades out to distances as far as 1500 meters, within a matter of seconds a cassette of five 66mm grenades can be loaded and launched out to distances from 25 meters to 250 meters, for delivery of a mission specific high payload grenade capability.



VENCIM MG

66MM SMOKE & 66MM CS SMOKE

Model Numbers: 6610 (Smoke) 6630 (CS Smoke)

66mm smoke or irritant smoke delivered as a deterrent/determination of intent or warning capability to unknown approaching vehicles or persons.



VENSIM

4090 EXTENDED RANGE WARNING MUNITION

Model Number: V4090 - 50 through V4090-750 Single spin stabilized flash bang projectile with greater than 4 million candela and 170 dB overpressure.

Available range options of 50 - 750 meters.

FUZES & COMPONENTS

CSI manufactures a variety of specialized military components ranging from very precise fuzes to rocket components. CSI is a trusted sub-contractor to leading defense contractors. Our components can be found in many type classified weapons, such as the M72 LAW Rocket, HYDRA-70 Rocket System, M67 Fragmentation Grenade, M84 Flash Bang Grenade and M49 Surface Trip Flare.

FUZES

- M201A1
- M208
- M213
- Model 201
- M155 Training Fuze
- M228 Training Fuze





TRIP WIRE SPOOLS FOR M49 FLARE

- Water based paint coated steel wire
- · Withstands 96 hour salt-spray test



M72 LAW Impact Initiated Nose Cap

Supplier to Nammo Talley



Hydra 70 Rocket Stabilizing Rods

Supplier to General Dynamics

NON-LETHAL MUNITIONS

CSI manufactures a comprehensive line of non-lethal munitions to include Defense Aerosols, Irritant Munitions, blunt trauma Impact Munitions, Flash-Bangs and Sting-Ball Grenades.



12GA SUPER SOCK™ BEAN BAG

Model Number: 2581

Point control, high energy, patented design for accuracy at extended range and consistency. Kevlar bag construction provides flexibility, strength, and stability in flight.



40MM STING-BALL ROUND

Model Number: 4558 (M1029 type munition)

Crowd dispersal munition, multiple projectiles for maximum coverage of the crowd frontage.



12GA RUBBER BATON

Model Number: 2553 (M1013 type munition)

Crowd dispersal, low energy impact from multiple projectiles for broad impact patterns.



12GA RUBBER BATON

Model Number: 2550 (M1012 type munition)

Point control munition, fin-stabilized for accuracy and energy.



4557 40MM FOAM BATON

40MM FOAM BATON

Model Number: 4557 (M1006 type munition)

Point control munition, spin-stabilized for range and accuracy, hi-low propulsion system, compatible with M203, M79 and M32 type launchers.









PENN ARMS'

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