



# The Inner Perimeter

## The Products, People and Training Inside Defense Technology

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## All Munitions Are Not Created Equal!

**P**ardon the cliché, but all munitions are not created equal! Forty millimeter munitions and launchers will serve you well, in fact far better than other less-lethal calibers. Whether your role is that of a First Responder, member of a Tactical Unit or Crowd Management Team, 40MM serves up superior performance. We're not bashing the 37MM - too hard. In its day, it was the best big bore option DT had to offer. However, times have changed and we are still surprised at the number of customers who are unaware of the benefits or considered a 40MM transition. In a case comparison to 37MM, the facts stack up easily.

### A NATO Standard

The world of NATO uses 40MM ammunition and launchers, an interchangeable standard among 189 countries.

### The Best Less Lethal Technology

Only in 40MM will one achieve extreme accuracy and precise energy at ranges from 1.5 to 100 Meters. The rifled barrel, combined with smokeless powder propulsion systems, afford the use of the best impact technology in the world, M1006 eXact iMPact and Direct Impact®.

### Platform Versatility

Single and Multi-Launcher platforms offer solutions for first responding officers, tactical teams, and crowd management teams. In Specialty Impact, all of the older technology, such as multiple projectile munitions and even bean bags, along with the most recent spin stabilized munitions are available in 40MM. A variety of chemical munitions for indoor and outdoor situations provides end users with a variety of range options.

### Advantages Beyond Impact Technology

40MM munitions generate less smoke, have less report and for the most part incorporate smokeless powder. One will experience less fouling in the barrel, thus, longer launcher life. Munition advantages include even chamber pressures, consistent velocities and tighter shot groups. Industry wide, research and development efforts are focused primarily on the 40MM. Future advancements in technology will not be in 37MM.

### Munitions for Gradual Transition

Some agencies would like to transition from 37MM to 40MM, but due to the size of the agency, the cost of the equipment and transitional training is too great. The specially designed rim of the 37/40MM munitions allow for interoperability between both launchers. These munitions are available in wood, foam, bean bag and 32 and 60 caliber Stinger® configurations. Due to the need for spin stabilization, high tech rounds like eXact iMPact and Direct Impact® still must be fired from a 40MM launcher.

### A Defendable Option

Generally, 40MM munitions have more supporting research behind their development. They are far more accurate and deliver measurable energy over a wider range. With know-how and training, this information places all parties in a better position with regard to the media, courts, and human rights issues.

### Actions Speak Louder Than Words

The only thing more powerful than words is action. The premier rounds, like eXact iMPact and Direct Impact will consistently perform. (See 40MM Chart on page 2)



*The 40MM eXact iMPact, pictured left, is capable of point of aim point of impact at 30 meters (98'). During testing at an indoor range, the round delivered amazing accuracy at 40 meters (131') and is still capable of center mass impact at 50 meters (164').*



# 40MM Platform Versatility

## Launcher Variations from Defense Technology

Model 1325



**Defense Technology Single Shot:** Reliable and durable, this is a fixed polymer stock, aluminum rifled barrel, S&W trigger, scope mounting rail, and removable front post sight.

Model 1377



**Penn Arms PGL65-40:** Exclusively from Defense Technology in the fixed stock version, the 1377 offers multi-shot capability, pump-action advance and it is lightweight.

Model 1335



**DT-40, Coming in 2007:** This new launcher will be an ultra-lightweight tactical launcher, equipped with Picatinny rails for accessories, improved sights, and 3 folding stock variations.

## Munition Variations from Defense Technology

### Specialty Impact - Law Enforcement

6064 Rubber Multiple Baton		Intermediate Force, Effective 10 - 30 Meters	} Multiple projectile munitions provide the ability to project varying degrees of impact energy to move or disperse large crowds.
6096 32 Cal. Stinger® Rubber Balls		Hard Physical Techniques, Effective 3 - 10 Meters	
6097 60 Cal. Stinger® Rubber Balls		Hard Physical Techniques, Effective 5 - 16 Meters	
6098 Wood Multiple Baton		Intermediate Force, Effective 10 - 45 Meters	
6099 Foam Multiple Baton		Hard Physical Techniques, Effective 1.5 - 10.5 Meters	
6025 Bean Bag		Intermediate Force, Effective 3.5 - 12 Meters	} These munitions offer the greatest accuracy and the widest operational parameters, delivering consistent energy at close and extended range. Direct Impact has multi-effect capability delivering blunt trauma with an irritant or marking effect.
6320 Direct Impact® OC (Orange Nose)		Intermediate Force, Effective 1.5 - 40 Meters	
6323 Direct Impact® Inert (Black Nose)		Intermediate Force, Effective 1.5 - 40 Meters	
6326 Direct Impact® Marking (Green Nose)		Intermediate Force, Effective 1.5 - 40 Meters	
6325 eXact Impact® - Sponge (Blue Nose)		Intermediate Force, Effective 1.5 - 40 Meters	

### Chemical - Law Enforcement

6040 Muzzle Blast OC (CN & CS also)		Soft Physical Technique, Effective 3 - 10 Meters	} The Ferret® is for indoor use, to force suspects out of an enclosure.
6172 Skat-Shell® CS (CN & Smoke also)		Hard Physical Technique, Effective Range 68 Meters	
6182 Spede-Heat® CS (CN & Smoke also)		Hard Phy. Tech., Effective Range 150 M	
1262 Ferret® Liquid CS (CN & OC also)		Hard Physical Technique, Effective Range 10 - 50 Meters	
1290 Ferret® Powder OC (CS & CN also)		Hard Physical Technique, Effective Range 10 - 50 Meters	



## New Website is Live!

Be sure and check out the new [defense-technology.com](http://defense-technology.com). Visitors will find more information than ever before. Spec sheets, product photos, technical resources, training information, a product video and sales contact information. It's all online!

[www.defense-technology.com](http://www.defense-technology.com)

# NEW Brochures!

**First Defense® Family of Products Brochure** - First Defense® is now a family of products. The new brochure contains information on First Defense®, First Defense X2™ and First Defense 360™ and clearly makes the case for our patented formulation as the best choice for law enforcement and corrections.

**Full Line Brochure** - Defense Technology products are proudly displayed in the new full line brochure. It is informative and educational. The new brochure presents product categories by type, solution, range and force application. A table is included in the back with information on ranging parameters and each munition's correlation to force.



# SURVIVAIR®

*Safe. Secure. SURVIVAIR.®*

In February, Defense Technology, announced an agreement to market and distribute Air Purifying Respirators and accessories manufactured by Survivair®, a Bacou-Daloz Company, to law enforcement and corrections through its worldwide distribution network.

The Survivair® product line is developed specifically for first responders in tactical, CBRN and riot control situations. The NIOSH approved Opti-Fit™ CBRN Gas Mask provides respiratory protection from chemical, biological, radiological and nuclear agents in addition to toxic industrial chemicals. The advanced line of Opti-Fit™ gas masks were developed especially for the vision and respiratory needs of police and correctional officers. The mask features three-position canister mounting, superior optics and three different nose cup sizes for a more customized fit. Defense Technology will continue to be the supplier of the best quality gas masks and filters to law enforcement and corrections.



- Optimum Fit - Comfort & Seal
- Superior Field of Vision
- Impact Resistant Face Shield
- Quick 3-Position Canister Mount
- 3 Sizes - Facepiece & Nose Cup
- Riot Control Product
- CBRN Products
- Affordable



Also new in 2006, Defense Technology released the latest technology in aerosol defense sprays, First Defense 360™. Combining traditional product with the latest technology, First Defense 360™ offers a new breakthrough in aerosol performance. Utilizing compressed air with barrier separation from the liquid formulation, First Defense 360™ is capable of delivering a stream pattern at any angle and any orientation. As the company who sets the standard for less-lethal products, Defense Technology is committed to developing new, more efficient ways to enhance product performance. The introduction of First Defense 360™ reflects that commitment. No additional training or education is required to use this new product with improved performance.

## Customer Service FAQs

**Q: Your pepper spray says it is non-flammable, but can you explain why under some conditions, I have been able to make it flame up?**

A: Our pepper sprays are tested as required by statutes and in the *foreseeable circumstances* they will be used with electrical discharge weapons. All pepper sprays contain solvents, which will yield a blue flame when exposed to an ignition source, such as fire or an open flame. We suggest conducting your own testing with regard to a "worst-case scenario" or any particular concerns of your operational environment. If flammability is your primary concern, we strongly recommend First Defense®, as it has the lowest flame threshold of any pepper spray product in the industry. For a complete understanding of flammability and pepper sprays go to the Technical Resources section at [www.defense-technology.com](http://www.defense-technology.com) and download the technical bulletin on aerosol flammability.

**Q: Will my products work beyond their warranty date?**

All products made by DT have a warranty. Depending on the product, the warranty may last anywhere from 2 - 5 years. Warranties on products from Defense Technology are based on an overall expectation of reliability and performance of the product. The warranty of these products is DT's written guarantee of responsibility for repair and/or replacement of defective products or parts of a product. A warranty date is not an expiration date.

**Q: When are you going to make 40MM eXact iMPact in 37MM?**

Can't do it. The precision of eXact iMPact is due to aerodynamics, weight distribution, materials and spin-stabilization imparted from rifling in the 40MM barrel. The 37MM is a smooth bore gun.

**Q: I want to use a stronger pepper spray, can you provide me with the research and testing information for your hotter sprays similar to the information you have on First Defense®.**

Here is the reality of pepper spray. The hotter the spray, the more thick and oily the OC active ingredient and the stronger the solvents that it will require to keep it dissolved in a solution. Safety assurances to the same degree as First Defense® just do not exist with these solvents. Remember, relative to the situation they are being used, pepper sprays correlate to soft physical techniques, which is very low in the force array. No less-lethal option is 100% safe. The more invasive the means utilized to control or incapacitate a human being, the more one increases the associated risks. The choice is yours to make, but for effectiveness and safety, First Defense is always our first recommendation.



**Now here's an  
advertising idea!**

The Nashville Metro Police recently won a Ford Police Interceptor at the annual Tennessee Governor's Highway Safety Awards ceremony. Sponsors of the event will have their logos displayed on the police unit for two years. Thanks Mike Reichenbach for sending us the picture.



### DT People

A close up of the people behind the products at Defense Technology.

**Denise Daffer**  
Central Region  
Customer Service Representative

Introducing Denise Daffer, Defense Technology's new Customer Service Rep for the central region.

Denise is a Nebraska native who moved to Casper last year. She has 20 years experience in customer service roles for various industries. She is an avid college football fan and experienced her first Wyoming Cowboys game a few weeks ago. A little different than the Huskers, but she'll adapt.

In addition to football, Denise enjoys spending time with her 15 year old daughter, Chelsea, and her pet Beagle, Tobee Rae. Denise appreciates the landscape in Wyoming, as well as the family atmosphere at Defense Technology.



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