CONSULT
Our knowledgeable range consultants guide you through each step of the process.

DESIGN
Our range design and drafting team turn your ideas into a range that fits your needs.

ENGINEER
Our team ensures products are compliant with engineering standards and are built to last.

MANUFACTURE
Products are precisely manufactured in our 125,000 square foot facility.

ACTION TARGET ADVANTAGE
Action Target is the industry’s leading turnkey provider of modern shooting ranges. Each step of the build process is handled by in-house professionals with years of expertise and industry knowledge. From initial range designs and product development to engineering and manufacturing, everything is done at our Provo, Utah facility. No matter your shooting range needs, Action Target provides solutions to keep you better prepared for whatever lies ahead.

SUPPLY
Our range supply programs have everything for your day-to-day range needs.

INSTALL
Our experienced and certified install teams work quickly to make your range operational.

SERVICE
Once your range opens, our service and maintenance team is there to keep it running.

TRAIN
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EXPERIENCE MATTERS

Since 1986, Action Target has been a shooting range development partner for military, law enforcement, and commercial ventures across the globe. We have designed and manufactured over 4,000 innovative products and hold more than 50 patents. We’ve also built thousands of ranges across the United States and in more than 50 countries around the world. Our offices and 125,000 square foot manufacturing facility are located in Provo, Utah.
TECH THAT SIMPLIFIES RANGE CONTROL

Action Target is continually striving to improve shooting ranges with technology. Whether through smart devices, innovative local control systems, or monitoring software, we are making range control easier and more accessible. To see which products boast these technological advances, look for the Smart Connected Product icon throughout this catalog.
COMPLETE INDOOR RANGE SOLUTIONS

Action Target designs, manufactures, and installs all products a shooting range could need. Learn more about our complete line of range products.

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- FIXED TURNING TARGET STAND 13
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- POWER 90 16
- TANDEM 90 17
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UNIQUE FEATURES, ADVANCED TRAINING

The Fixed Lateral 360 (FL360) system allows inverted targets to be repositioned laterally along a fixed rail, spaced apart or in groups, without the use of tools. Used in conjunction with the DRM Pro™ target system, these targets can represent bystanders or threats to simulate real-world scenarios.

LATERAL REPOSITIONING

Each target can be positioned laterally along the fixed track with a simple thumb screw.

Positioning Example 1: Targets can be evenly spaced along the track for qualification training (6 foot max distance).

Positioning Example 2: Targets can be grouped in sets of two or three for situational training (3 foot minimum distance).

360° TURNING

Targets can turn 90, 180, and 360 degrees in the blink of an eye.

BALLISTIC

Exposed downrigger is built using AR500 steel to resist damage from bullets.

QUIET

Electric motor operates quietly, preventing shooters from anticipating movement.

CONNECTED

Integrates with our range control software for advanced features and functionality.

ADVANCED CLAMP

The quick release clamp makes changing target backers easy and is adjustable to fit various target thicknesses.
VERSATILE TRAINING SYSTEM

The Fixed Turning Target Stand (FTTS) is an ideal system for tactical training and shoot/no shoot scenarios. The electric version is a quiet 360-degree target turning system, making it difficult for shooters to anticipate when the target will turn. This system may be used in the harshest conditions, including sub-zero temperatures. Additional options include multiple pedestal heights and onboard target lighting.

TURNING FEATURES

360° TURNING
Targets can turn 90, 180, and 360 degrees in the blink of an eye.

BALLISTIC
Front deflector is built from 3/8" AR500 steel to protect internal components.

EXTREME WEATHER
Functional in both indoor and outdoor conditions including sub-zero temperatures.

CONNECTED
Integrates with our range control software for advanced features and functionality.

RUGGED CLAMP
The quick release clamp makes changing target backers easy and holds them securely, even in strong wind.

Decision-making training is becoming increasingly important for law enforcement departments and agencies. The 360-degree turning capability of the FTTS presents “good guy” and “bad guy” targets unpredictably, forcing trainees to make quick, accurate use-of-force decisions.

- Randomization: Able to randomly display edge of target, turn both directions, switch target faces, or completely turn to show the same target face repeatedly.
- Reliable: Designed for every environment. Each component is built to be ready to go when you are ready to train.
DECISION-MAKING SIMPLIFIED

D-TaPS turns 180 degrees to present each side of a target for teaching threat/no-threat identification. Targets turn in two-tenths of a second so trainees are not able to anticipate which face will be presented. Each unit can be independently controlled for advanced tactical training. Placing trainees in an environment where threats have to be identified before they are engaged increases reaction time and decreases accidents in the field.

VERSATILE

Configuration Options

180° TURNING
Target turns 180 degrees for decision making and shoot/no shoot scenario training.

INDEPENDENT
Targets may be controlled individually or simultaneously.

FAST TURNING
Targets turn in a blazing two-tenths of a second, faster than the brain can process.

CONNECTED
Integrates with our range control software for advanced features and functionality.

From qualification to advanced tactical training, D-TaPS is used by agencies around the world.

Mounted upright to a concrete pad (w/ballistic shield).

Inverted behind the last row of ceiling baffles at the target line.

Attached upright to the back of a knee wall or barricade.

Mounted to the back of an Action Target Line of Fire™.
**SPEED AND PRECISION**

The Deluxe 90 is a pneumatic turning target actuator that rotates corrugated cardboard and plastic target backers. Targets rotate in just two-tenths of a second, giving trainers the ability to accurately begin and end qualification and timed drills. The Deluxe 90 is so reliable that it is the official target system for the NRA Bianchi Cup Barricade and Practical shooting events.

**FAST TURNING**

The internal pneumatic actuator is able to turn targets faster than the brain can process. This ensures that all shots are taken within the desired time limits during training or competition.

**90° TURNING**

Turns paper and cardboard targets from face to edge and back to face.

**BALLISTIC**

Engineered to resist damage from errant rounds and to protect shooters from splatter.

**FAST TURNING**

Targets turn in a blazing two-tenths of a second, faster than the brain can process.

**CONNECTED**

Integrates with our range control software for advanced features and functionality.

**ARMORED**

The Deluxe 90 is self-armored, which means that it can be installed freestanding on a range without a knee wall or other protective barrier.
STRENGTH AND VERSATILITY

The Power 90 actuator turns a target from edge to face and back again. Its robust actuator can turn heavy plastic targets and foam backers as well as standard paper and cardboard targets. When ground mounted, the Power 90 uses wooden target holders, making it ideal for use with running man targets. The Power 90 can be controlled wirelessly, with an electric thumb switch, or integrated into advanced range control software.

90° TURNING
Targets turn from face to edge and back to face.

POWERFUL
Able to turn heavy targets such as 3D plastic and foam backers.

INDEPENDENT
Targets may be controlled individually or simultaneously.

CONNECTED
Integrates with our range control software for advanced features and functionality.

CONFIGURATION OPTIONS

- Mounted upright behind a knee wall or barrier.
- Inverted behind the last ceiling baffle at the target line.

TARGET HOLDER OPTIONS

- Upright 2x2 Wood Holder
- Upright 2x4 Wood Holder
- Upright Universal Wood Clamp
- Upright Foam Backer Holder
- Inverted Backer/Target Clamp
QUALIFY WITH CONFIDENCE

The Tandem 90 system utilizes only one actuator to turn up to 10 connected targets simultaneously. The actuator is powerful enough to turn heavy foam and plastic targets. The target frame incorporates wood supports, making it ideal for use with running man targets. The armored drive unit and slave actuators protect the mechanisms from bullet strikes.

MULTIPLE TARGETS, ONE ACTUATOR

The Tandem 90 is an affordable system because it uses one actuator to control up to 10 targets. This robust actuator requires very little maintenance, keeping your entire system up and running day after day.

TARGET HOLDER OPTIONS

<table>
<thead>
<tr>
<th>Upright 2x2 Wood Holder</th>
<th>Upright 2x4 Wood Holder</th>
<th>Upright Universal Wood Clamp</th>
<th>Upright Foam Backer Holder</th>
</tr>
</thead>
</table>

90° TURNING
Targets turn from face to edge and back to face.

POWERFUL
Able to turn heavy targets such as 3D plastic and foam backers.

TANDEM CONTROL
One pneumatic drive system turns up to 10 targets in a group at the same time.

CONNECTED
Integrates with our range control software for advanced features and functionality.

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UNIVERSAL 90

UNIQUE TARGET MOVEMENT

The Universal 90 features multiple movements, including turning, swinging, lifting, and flanking, all with a single heavy duty actuator. Target movement can be changed with a few simple adjustments. The versatility of the Universal 90 makes it an ideal addition to any decision-making training configuration. The Universal 90 may be installed behind a Line of Fire™, behind a tactical ceiling baffle, or on a freestanding portable base.

90° TURNING
Targets turn from face to edge and back to face.

SWINGING MOTION
Targets are able to raise from a hidden to an exposed position.

POWERFUL
Able to turn heavy targets such as 3D plastic and foam backers.

CONNECTED
Integrates with our range control software for advanced features and functionality.

TARGET MOVEMENT

Swinging function

Turning function

Freestanding base

Attached to Line of Fire

Behind Ceiling Baffles

CONFIGURATIONS

STANDARD

STANDARD

OPTIONAL
## TURNING TARGETS FEATURE COMPARISON

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<thead>
<tr>
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<th>FL360</th>
<th>FTTS</th>
<th>D-Taps</th>
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<th>POWER 90</th>
<th>TANDEM 90</th>
<th>UNIVERSAL 90</th>
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</tbody>
</table>

* Standard Feature  ○ Optional Feature

### KNEE WALL

The Action Target knee wall protects ground-mounted targets. They utilize a ballistic steel core capable of stopping every type of ammunition you plan on using in your range. Knee walls can utilize a wood, rock-fill, or rubber fascia. Both the steel plate and fascia can be replaced as necessary.
REAL TARGETS DON'T HOLD STILL

DRM PRO™ 22

TRACK RUNNER 24
PT RUNNER 25

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FAST
Targets accelerate rapidly and move as quickly as the fastest sprinters in the world.

INDEPENDENT
Targets may be controlled individually or simultaneously.

CONNECTED
System is controlled with central range control and on nearly any Wi-Fi enabled device.

POWERFUL
Heavy duty induction motors are strong enough to carry heavy targets.

OUTDOOR RATED
Able to be used in both indoor and outdoor conditions and most climates.

MODULAR
Track lengths can vary from 15-200 feet and the system can be installed upright or inverted.
ENHANCED TRAINING AT YOUR FINGERTIPS

The DRM Pro is a state-of-the-art running man target mover. With two independent target carriers, variable speeds up to 20 feet per second, and programmable scenarios, this system gives shooters the most realistic training available.

SMART DEVICE CONTROL

The DRM Pro is controlled wirelessly on any Wi-Fi enabled device. The patented interface provides the most powerful features available on any running man target system.

- Precision Control: Targets can be moved in real time to any position.
- Variable Speeds: Target speeds can be changed on the fly with preset and adjustable speed control.
- Continuous Mode: Send one or both targets back and forth indefinitely for non-stop training.
- Delay Start Mode: Self-guided training is possible with a start delay that gives solo shooters time to prepare before the targets move.

POWERFUL MOTORS

The DRM Pro is equipped with 3HP motors to provide the most reliable and realistic training possible.

- Realistic Movement: Targets are able to move at speeds up to 20 feet per second to replicate sprinting. The motors also accelerate quickly to give you more room for movement on any track length.
- Heavy Duty: Motors are powerful enough to hold up to years of continuous use.
- Outdoor Rated: All system components meet or exceed IP54 rating for year-round indoor and outdoor performance.

ADVANCED FEATURES

The DRM Pro boasts a number of advanced features to provide the most reliable performance possible.

- Easy Tensioning: A Patent Pending modular ratcheting system makes cable retensioning quick, easy, and accurate.
- Remote Access: The DRM Pro keeps a service log for system diagnosis and maintenance. These logs are accessible remotely for off-site service.
- Modular Track: The modular track supports track lengths from 15 to 200 feet in 3-foot increments.
- Accurate Positioning: High resolution encoders and auto-calibration keep target locations accurate within 6 inches of the displayed location.

- Adjustable Clamp Width: Easy-to-use clamps are adjustable to accommodate various target widths.
- Programmable: Connect to range control software to create repeatable drills and scenarios for consistent training.

CONFIGURATION OPTIONS

Inverted: System is installed inverted behind a ceiling baffle.
Upright: System is mounted to a cement pad behind a knee wall or protective barrier.

Learn more about the DRM Pro at ActionTarget.com/DRM_Pro
THE ORIGINAL RUNNING MAN SYSTEM

The Track Runner is a track-mounted moving target system that provides simple lateral movement from a handheld wired controller. Variable speeds are available via 30, 100, or 300-foot industrial mil spec cable controller. This low-cost training tool has been an effective staple of law enforcement training everywhere.

ADJUSTABLE LEGS
The Track Runner has a number of leg height options to fit any range. Available heights are 8.75, 10, and 15.75 inches.

CONFIGURATIONS

Mounted upright behind a knee wall, protective barrier, or Line of Fire™.

Inverted behind the last row of ceiling baffles.

Mounted to a wall structure.

MODULAR
Track lengths can range up to 150 feet in 10-foot increments. Both one and two target systems are available.

PROVEN
The Track Runner has been trusted for years by many ranges around the world.

OUTDOOR RATED
Components are built to withstand the conditions of indoor and outdoor ranges.

SIMPLE
Uses dial control to move targets laterally and change target speed.
AFFORDABLE TRAINING

Action Target’s portable runner was created with law enforcement agencies in mind. The PT Runner provides convenient and effective moving target training on equipment that is portable and easy to set up and take down.

- Highly portable design can be used in remote locations
- Available in 12V (car battery or battery pack) and 120V options
- Compatible with any cardboard target including 3D targets (requires optional 3D target hanger)
- Simple handheld variable speed controller
- Complete kit includes:
  - Winch and motor
  - 80-foot cable
  - Variable speed wired controller
  - Lightweight trolley
  - Shielded brackets
  - Portable container
  - Stakes and lashings
  - Cables and chargers

### RUNNING MAN SYSTEM FEATURE COMPARISON

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<thead>
<tr>
<th>Feature</th>
<th>DRM PRO™</th>
<th>TRACK RUNNER</th>
<th>PT RUNNER</th>
</tr>
</thead>
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<td>Top Speed</td>
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<td>Variable Speed</td>
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<tr>
<td>POWER</td>
<td>Electric Requirement</td>
<td>200-240V 20A</td>
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<td>Horsepower</td>
<td>3 HP</td>
<td>1/6 HP</td>
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<td>TRACK</td>
<td>Maximum Length</td>
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<td>POSITION</td>
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<td>Outdoor</td>
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<td>Extreme (&lt;0°F)</td>
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<td>TARGET TYPE</td>
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<td>Plastic/Foam</td>
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<td>3D Cardboard</td>
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<tr>
<td></td>
<td>Steel</td>
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WIRELESS
Built in Wi-Fi automatically connects targets together in any configuration.

HIT SYNC TECH
Proprietary system recognizes hits in scoring zones and provides shot time and accuracy analytics.

ENGAGING
Powerful app allows for complete control of targets. Custom courses of fire can be created on the fly for training and competition.

SAFE
Reactive target system without danger of splatter or ricochet for use indoor, outdoor, up close or at long range.

MODULAR
Set up numerous targets at any time, in nearly any configuration and in any environment.

VERSATILE
Pop-up or swing-up targets are available for short and long range or CQB use and senses hits from .22LR to .50 BMG.
THE FUTURE OF FIREARMS TRAINING

AutoTargets allow shooters to interact with their targets in a way never before possible. With its powerful hit sensing technology, advanced app, portable wireless activation, and revolutionary programmability, AutoTargets is truly changing the way you shoot.

"With hit zone detection technology, AutoTargets significantly increases the training time available for shooting by eliminating the need to walk down range to tape/repair targets. When training time is in short supply, this target system will provide instructors with the ability to give better training in less time and is an absolute must for larger groups or shooting at extended distances. This really is a game changing target system!"

—Kyle Schmidt, Tempe Police Department & Firearms Trainer

1 HIT SENSING TARGET
AutoTargets accurately sense hits in up to four zones and record them on a powerful app. The target can accurately score up to 400 handgun or 1000 rifle rounds, depending on bullet diameter.

2 REACTIVE LIFTING
The target drops and lifts based on hit zones, score requirements, and time limits that are set on the app. Both pop-up and swing-up options are available.

3 PORTABLE DESIGN
The 15-pound unit is powered by a rechargeable battery and CO2 tank, making it easy to set up anywhere.

4 WIRELESS CONTROL
Each lift unit functions as a long range sender and receiver, forming a mesh network with all connected devices out to any shoot-able distance.
EFFECTIVE TRAINING TOOL

AutoTargets provide effective training through features that save time on the range, recreate real world scenarios, and provide stress induced situations. The app makes it possible to create repeatable or random shooting programs all while keeping score of accurate shots.

FAST THROUGHPUT

AutoTargets use a Patent Pending hit sensing target that is controlled on a wireless device. This means that targets can be scored immediately without needing to walk downrange to check and tape targets.

- **Dynamic Training:** Instructors can build dynamic training scenarios for their officers that replicate real world engagements. Recreate last week’s officer involved shooting on the range to help others benefit and improve.
- **Immediate Feedback:** Performance, speed and accuracy are automatically scored for each shooter right on the tablet controller through the app. Individuals or team scores are processed without having to call the range cold in order to count, score, repair or reset targets.

PROGRAMMABLE

The AutoTargets app is compatible with Android, iOS, and Kindle Fire and provides complete control of target systems within a field of engagement.

- **Programmability:** Users can easily determine target presentation and reaction criteria based on time delays, time limits, shot placement, and hit count.
- **Reactive and Responsive:** AutoTargets only fall down when you tell them to. Instructors can base these reactions on time limits, hit counts, total score on the target or more complex shot placement like the popular “Mozambique” Drill.
- **Advanced Shoot House Software:** AutoTargets has an available shoothouse software upgrade that allows you to customize your training to your existing shoothouse. Contact your sales representative for more information.

NON-LETHAL OPTION

AutoTargets is also available as a pressure-sensitive system for use with non-lethal training ammunition rounds. The non-lethal target option is a separate target and lift unit designed specifically for Airsoft, and other force-on-force training rounds. Because the rounds do zero damage to the target, agencies can expect extremely long life from this specially designed hit sensing target.

- **Multi-Zone Hit Detection:** The non-lethal target is designed specifically to detect hits from non-lethal training ammunition (such as Simunition, UTM, FX, Force-on-Force, and even Airsoft. The target is divided into four hit zones.
- **Swing Up Movement:** Targets swing in and out of view to create timed shooting windows or react to accurate hits.
- **Paper Overlays:** The pressure sensitive target allows instructors to overlay common paper training targets, adding more realistic shoot and no-shoot target options.
- **Scoring:** Targets are scored with the same app as the live fire targets, providing immediate audio and visual feedback as well as pre-programmed responses.

The AutoTargets app is full of powerful options. See videos and demos at ActionTarget.com/AutoTargets
UNRIVALED VERSATILITY

Other hit-sensing target systems exist, but none of them have the flexibility, portability, and ease of use of AutoTargets. AutoTargets functions with a battery and CO₂ tank, making them easy to set up anywhere—even the most remote locations. Because AutoTargets requires no permanent range improvements, or infrastructure they are ideal for multi-purpose ranges and those operating on tight budgets.

SHOOT HOUSE

AutoTargets is a great tool for shoot house training. A universal mount makes it possible to attach AutoTargets to walls, furniture, or portable bullet traps. AutoTargets boast both pop-up and side lift options, providing variety for training drills. The side lift option also allows instructors to make quick adjustments to the target’s exposure angle, modifying the degree by which the target pops out from behind a wall or object.

INDOOR RANGE

AutoTargets bring reactive target shooting indoors. Since AutoTargets is a paper-based target system it essentially eliminates bullet splatter. AutoTargets wireless mesh network makes it easy to set anywhere downrange and control from behind the firing line. The available rubber block accessory creates an ideal ballistic stand.

OUTDOOR RANGE

AutoTargets’ portable design makes them easy to use on any outdoor range. Because it doesn’t require an outside power or air supply, AutoTargets can be positioned anywhere on a range without the need of expensive infrastructure. An available ballistic shield holds the lift unit and CO₂ canister behind a protective barrier, making it possible to simply set up in a field without the use of another barricade system.

BEHIND BARRICADES

If your range is equipped with a barricade such as a knee wall, bunker, or Line of Fire™ simply set up AutoTargets behind these barricades and your training is ready. The portability of AutoTargets makes it easy to reposition the targets, keeping trainees on their toes. The app makes it easy to score and reset training scenarios.
SETTING UP YOUR SYSTEM

AutoTargets can be configured in a number of different ways, providing the flexibility you need.

- **Battery Power:** AutoTargets use 3-cell 3500 mAh Li-Ion batteries that provide 8000 lifts or up to 20 hours of idle time.
- **Air Supply:** A single 20 oz CO₂ tank actuates a target up to 1000 times and can be directly attached to the lifter (when shielded by a ballistic shield) or placed up to 500 feet away. Units can run any existing compressed air system with clean, dry air regulated to 60 psi. Other inert compressed gas sources are also acceptable.
- **Daisy Chain:** One 20 oz CO₂ tank can supply up to 10 total lifters* with a maximum total hose length of 500 feet. 50-foot tubing segments are included with each lifter.
- **Wireless Range:** AutoTargets use a mesh network that automatically connects units to each other when they are powered on. Units can be controlled up to 100 yards from the control system and more than 250 yards from unit to unit. Adding range extenders can expand this distance by 1200 yards.

* Freezing temperatures may reduce the ability to daisy-chain lift units.

ACCESSORIES

- **HIT SYNC TARGET**
  Silhouette targets detect shots within 3 or 4 hit zones. Targets last up to 1000 rounds depending on caliber.

- **HIT SYNC NON-LETHAL**
  Pressure-sensitive system works with Simunition, UTM, FX, Force-on-Force and Airsoft ammunition.

- **BALLISTIC SHIELD**
  16x16 AR500 plate with a 1-inch rubber fascia and base system mount. Rated up to .308 non-armor piercing rounds.

- **WIFI EXTENSION**
  Increase range from target to target or target to tablet up to 1200 yards.

- **MOUNTING SYSTEMS**
  Available universal mounting and wall mounting systems attach AutoTargets to various surfaces.

- **CO₂ TANK**
  Compressed CO₂ tanks that can deliver 60 psi control target lifting. CO₂ provides consistent pressure over longer periods of time compared to high pressure air.
## AUTOTARGETS FEATURE COMPARISON

<table>
<thead>
<tr>
<th></th>
<th>LIFT UNIT</th>
<th>SIDE LIFT UNIT</th>
<th>BULLET TRAP LIFT UNIT (BTL)</th>
<th>NON LETHAL LIFT UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TARGET MOVEMENT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pop-Up</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swing-Up*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifting Speed</td>
<td>0.50–0.75 seconds</td>
<td>0.50–0.75 seconds</td>
<td>0.50–0.75 seconds</td>
<td>0.50–0.75 seconds</td>
</tr>
<tr>
<td><strong>TARGET COMPATIBILITY</strong></td>
<td></td>
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<tr>
<td>Live Fire</td>
<td></td>
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<td></td>
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<tr>
<td>Non-Lethal</td>
<td></td>
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<tr>
<td><strong>POWER</strong></td>
<td></td>
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</tr>
<tr>
<td>Air Requirements</td>
<td>60 psi (Any Inert Gas)</td>
<td>60 psi (Any Inert Gas)</td>
<td>60 psi (Any Inert Gas)</td>
<td>60 psi (Any Inert Gas)</td>
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<td>Electrical Requirements</td>
<td>3 Cell 3500 mAh Li-Ion Battery</td>
<td>3 Cell 3500 mAh Li-Ion Battery</td>
<td>3 Cell 3500 mAh Li-Ion Battery</td>
<td>3 Cell 3500 mAh Li-Ion Battery</td>
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<tr>
<td><strong>USER INTERFACE</strong></td>
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<td></td>
<td></td>
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<tr>
<td>Smart Phone</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tablet</td>
<td>✔</td>
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<tr>
<td><strong>COMPATIBLE ACCESSORIES</strong></td>
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<tr>
<td>Ballistic Shield**</td>
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<tr>
<td>Soft-Side Carrying Case</td>
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<tr>
<td>Android Tablet</td>
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<td></td>
<td></td>
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<tr>
<td>Universal Mount</td>
<td>✔</td>
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<tr>
<td>Wall Mount</td>
<td></td>
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<td></td>
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<tr>
<td>Portable Bullet Trap</td>
<td></td>
<td></td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td><strong>Wi-Fi Range</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 yds. Tablet to Target, 250+ yds. Between Targets</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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</tr>
<tr>
<td>600 Yards</td>
<td></td>
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<tr>
<td>1200 Yards</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

- Standard Feature
- Optional Feature
* Swing-up orientation must be mounted with included shelf.
** Ballistic shield can only be used in pop-up orientation.
GET FASTER WITH YOUR PISTOL

Action Target’s Bobber and Bobber Xtreme™ are reactive steel target systems that challenge shooters to make the right shot quickly and accurately using innovative training software to control presentation times and intervals. The Bobber has one target plate whereas the Bobber Xtreme has two for fast decision-making training. Bobbers can be laid out in hidden Hogan’s Alley scenarios or configured in a line or in groups.

BOBBER

The Bobber uses one pneumatic hit plate that actuates when activated by a control system and drops when hit or when time expires.

Training with one head plate is perfect for improving draw speed, target acquisition, firing speed, and accuracy. Multiple chest plate designs are available.

BOBBER XTREME

The Bobber Xtreme uses two pneumatic hit plates that actuate when activated by a control system and drop when hit or time expires.

Training with two head plates not only improves draw speed, target acquisition, and firing speed, it also improves identification.

POP-UP ACTION

Targets raise when actuated and are knocked down by accurate shots.

BALLISTIC

Entire face of system is constructed of ballistic steel, allowing hits on chest and head plates.

INDEPENDENT

Individual target control creates random target actuation for decision-making training.

CONNECTED

Integrates with our range control software for advanced features and functionality.
THE TARGET THAT STARTED IT ALL

The Steel KD was Action Target’s first product. It’s a portable and economical reactive steel target. The Deluxe KD model is mounted permanently to a steel base.

STEEL KD

The Steel KD is installed on a 2x4 beam or the Line of Fire™ and has an air inlet at the base of the piston. This allows targets to be easily moved for different tactical scenarios.

DELUXE KD

The Deluxe KD is the permanent version of the Steel KD and employs an 8” steel plate. The Deluxe KD comes with a ballistic front plate that accepts wood or rubber fascia.

RESET AT THE TOUCH OF A BUTTON

The Pneumatic Plate Rack integrates with SmartRange™ to become a part of any training scenario or competition. The plates are reset without the use of a pull cable.
PORTABLE STEEL TARGETS

TRAIN ANYWHERE
Portable steel targets provide excellent training for both military and law enforcement. Their ability to provide feedback at long and close distances, as well as the ease of setting up different scenarios, keeps training effective and efficient. Action Target steel targets are the safest and most durable on the market. From plate racks to .50 BMG rated torsos, we have the targets you need.

PT SCOUT
Working with the world’s best competitive shooters and knowledge from our own 33-year legacy, we’ve developed the safest, best sounding and most portable steel target ever created. Our Patent Pending design sheds bullets down and away from shooters. Because we have angled the 2x4 parallel to the target plate, spall and splatter do not cut your 2x4 to pieces. PT Scout is available with various head plate options.

PT DUELING TREE
The patented PT Dueling Tree is one of Action Target’s most popular targets, and it’s easy to see why. Spend time improving speed and accuracy by shooting head-to-head. The armored steel ensures the target can withstand thousands of rounds, keeping your team equipped for years.

TORSOS
Action Target offers a number of torso targets to provide training specific to your agency’s needs including the static PT Torso, reactive PT Hostage, full-size PT IPSC, sniper-ready PT Tactical Torso, .50 BMG E-50 Silhouette, and more.

TIME SAVING
Steel targets do not require users to go downrange to check hits, reset, or tape targets.

SOUND
When hit, steel targets make a distinctive sound that can be heard hundreds of yards away.

DURABLE
Built of the finest AR500 or AR550 steel to last for thousands of rounds.

SIGHT
Steel targets flip, swing, rock, or fall when struck, giving a visual indication of an accurate hit.

See the full line of portable steel targets at Shop.ActionTarget.com
**REACTIVE STEEL TARGETS FEATURES**

<table>
<thead>
<tr>
<th>MOVEMENT</th>
<th>BOBBER</th>
<th>BOBBER XTREME</th>
<th>STEEL KD</th>
<th>PNEUMATIC PLATE RACK</th>
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<tbody>
<tr>
<td>Pop-Up Movement</td>
<td>•</td>
<td>•</td>
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</tr>
<tr>
<td>Lifting</td>
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<th>POWER</th>
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<tr>
<td>Electric Requirement</td>
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<td>12V 200mA</td>
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<td>Air Requirement</td>
<td>60-100 psi</td>
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<td>Handheld</td>
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<tr>
<td>SmartRange™</td>
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<tr>
<td>Air Command™</td>
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<td>Individual</td>
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<tr>
<td>Simultaneous</td>
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<td>Indoor**</td>
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<tr>
<td>Outdoor</td>
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<tr>
<th>BALLISTIC RATINGS</th>
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<tr>
<td>ATI Class 1 (Handgun)</td>
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<td>•</td>
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<tr>
<td>ATI Class 2 (Rifle)*</td>
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</table>

* Standard Feature  • Optional Feature  *Not rated for armor-piercing or atypical ammunition.  **Frangible ammunition and specific range designs are recommended when shooting steel targets indoors.

---

**TYPICAL AMMUNITION SPECIFICATIONS**

<table>
<thead>
<tr>
<th>.22LR</th>
<th>.357 Mag</th>
<th>.40 S&amp;W</th>
<th>.45 ACP</th>
<th>.44 Mag</th>
<th>.22LR</th>
<th>.40 S&amp;W</th>
<th>5.56x45mm NATO</th>
<th>.308 Win</th>
<th>30-06</th>
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</thead>
<tbody>
<tr>
<td>40gr HP</td>
<td>124gr FMJ</td>
<td>1060 fps</td>
<td>1293 fps</td>
<td>158gr JSP</td>
<td>124gr HP</td>
<td>1260 fps</td>
<td>1240 fps</td>
<td>150gr SPT2</td>
<td>2900 fps</td>
</tr>
<tr>
<td>40gr AP</td>
<td>124gr FMJ</td>
<td>1240 fps</td>
<td>1230 fps</td>
<td>158gr JSP</td>
<td>124gr HP</td>
<td>1260 fps</td>
<td>1190 fps</td>
<td>150gr SPT2</td>
<td>2900 fps</td>
</tr>
</tbody>
</table>

The maximum velocity and maximum energy values for the above pistol and rifle ammunition are provided for example purposes only and are not all inclusive.
MODULAR
The system is assembled in 3, 4, or 5-foot sections up to 200 feet wide.

BALLISTIC
A built-in ballistic faceplate protects components and provides mounting locations.

CONNECTED
Target systems can be connected to central range control for advanced repeatable training.

OUTDOOR RATED
System is built to withstand harsh outdoor conditions for year-round use.

INDEPENDENT
Targets may be controlled individually or simultaneously.

CUSTOMIZABLE
Target systems and layouts are customizable to fit an agency’s specific training needs.
ALL-IN-ONE RANGE SOLUTION

The Line of Fire is the only target system that incorporates a modular barricade with a number of target systems for advanced training. This is ideal for outdoor ranges where more versatile training is required, but building a full range is not feasible. With the Line of Fire you can choose the size and equipment that best fits your training needs.

1 BOBBERS
Set up the Bobber or Bobber Xtreme behind the line of fire to create a moving steel target system. Targets fold down when not in use.

2 SWINGING TARGETS
Swing-up targets reveal the location of threats when the instructor is ready.

3 TURNING TARGETS
For qualifications and advanced training, attach a Universal 90 or D-TaPS for 90 or 180-degree turning targets.

4 RUNNING MAN TARGETS
Moving targets provide training for real world scenarios, including when and when not to take a shot.

5 REACTIVE STEEL
Add a Steel KD or Pneumatic Plate Rack to the Line of Fire for an additional reactive target system.

6 MODULAR BALLISTIC PANEL
An integrated ballistic panel directs rounds into the ground, protects equipment and infrastructure, and provides target mounting locations.
RETURNING MORE THAN JUST TARGETS

GENESIS 44
AWD PRO 48
MANCOM™ TOUCH PLUS 50
MANCOM™ TOUCH-N-GO 54
SRET 54
LOW MAINTENANCE
Wireless, clever design and Strike Watch technology drastically reduce maintenance.

HIDDEN CLAMP
Recessed clamp avoids damage from bullet strikes, improves safety and is easy to operate.

INTEGRATED CAMERA
Provides real time view of the target on the control screen at any distance.

ADVANCED TRAINING
Dynamic Programs Increase Stress and Maximize Training Effectiveness.

360° TURNING
Full range of motion including spinning, random edging, and teasing functions.

POLICE LIGHTING
Carrier and booth lighting include police and emergency strobes for realistic training scenarios.
A NEW ERA IN SHOOTING RANGE TECHNOLOGY

Smart, Connected and Powerful: Genesis™ enables range staff to manage and train shooters, maintain their investment and streamline its operations like never before.

MAXIMUM UPTIME
Advanced design and technology make the Genesis best-in-class for dependability with maximum uptime.
- **Hidden Clamp**: A recessed clamp eliminates bullet strike damage and improves shooter safety.
- **Strike Watch™**: Patent Pending technology detects carrier bullet strikes and can auto-disable lane, preventing equipment abuse.
- **Armored Housings**: 3/8” AR500 front armor and 11 gauge side housings avoid bullet strike damage.
- **Wireless**: No exposed cables and downrange bus-bars.
- **Modular Track**: Quick-change universal track sections.
- **Lithium Ion Batteries**: Long life with auto charging and auto-homing idle timer ensure all-day use.

SUPERIOR TRAINING
Integrated training programs, dynamic target behavior and real-world lighting provide unparalleled trainings and qualifications.
- **Integrated Lighting**: Police strobes and target muzzle flash illumination introduce real-world training elements.
- **Dynamic 360° Turning**: Increase stress and unpredictability with tease, spin, turn functionality. Shoot/no-shoot decision making training made easy.
- **Up to 15fps Speeds**: Introduce adrenaline-spiking charging drills into trainings.
- **Integrated Camera**: Keep an eye on your target without going downrange to review the target.
- **Integrated Drills**: Preset and custom courses of fire accessible from lane control screen or SmartRange Axis control screen.
- **Assign Drills to Lane**: Push specific drills to lanes for tailored training.

SYNCHRONIZED CONTROL
Control one or more retrievers simultaneously from Smart-Range Axis.
- **Synchronized Drills**: Courses of Fire run in sync ensuring all targets expose simultaneously.
- **Intuitive Program Builder**: Easily setup complex courses of fire with the integrated program builder.
- **On Screen Scripts**: Keep track of a drill's steps with on screen descriptions.
- **Lane Management**: Manage per lane individual control.
LOW MAINTENANCE, ENGAGING DESIGN

Genesis was designed for low cost of ownership. To this extent, common wear items were strengthened or designed out and other features that extend the life of the system have been added.

1 TABLET CONTROL
- Commercial Grade Devices
- Easy-to-Use Controls
- Modern, Reactive Design

2 COLOR ADJUSTABLE SMART ACCENT LIGHTING
- Customizes to Your Range Brand
- Notifies when Customer Needs Help
- Alerts when Carrier is Shot

3 3/8” AR500 STEEL DEFLECTOR PLATE
- High Quality Armor Steel
- Prevents Damage from Pistol and Rifle Rounds

4 PLUG AND PLAY UPGRADES
- Color Adjustable Smart Lighting
- Booth Sight Lighting
- Target Camera
- Speed and Acceleration Performance Upgrade

5 PATENT PENDING STRIKE WATCH™
- Reports Shots on the Carrier
- Can Automatically End Shooter’s Session
- Protects Range Investment

6 BOOTH AND TARGET INTEGRATED LIGHTING
- Fully Dimmable
- Enhanced Target Visibility
- Strobe and Police Lighting
7 FASTER, MORE ACCURATE MOVEMENT
- Speeds Up to 15 Feet per Second
- Powerful Direct Drive Motors
- Patent Pending Positioning Technology

8 BUILT IN TARGET CAMERA
- Real Time Target Visibility
- Displayed on Control Screen
- Enhanced Shot Recognition

9 100% WIRELESS FUNCTIONALITY
- No Need for Cables or Downrange Bus-Bars
- Connects to SmartRange™ Axis
- Auto Home and Charge Functions

10 EASY TO USE, HIDDEN TARGET CLAMP
- No Exposed Parts
- 360° Turning
- Easy One Hand Operation
AWD PRO™

WIRELESS
Functions without the use of cables or bus bars, reducing downtime.

ENGAGING
Preloaded programs and a powerful interface maximize training effectiveness.

360° TURNING
Full range of motion including spinning, random edging, and teasing.

FAST
Capable of traveling up to 12 feet per second.

POLICE LIGHTING
Optional carrier lighting, including police strobes, create realistic training scenarios.

DURABLE
Specifically designed to withstand the abusive conditions inside a range.
DURABLE. FAST. RELIABLE.

1  100% WIRELESS
The AWD Pro functions completely independent of bus bars and cables, preventing downtime and reducing maintenance.
- Robust Components: Features industrial strength wireless technology and components.
- Long Life Battery: Equipped with powerful lithium ion batteries for all day continuous use.
- Auto Charge: Carrier automatically docks and charges each time it returns home.
- Auto-home: After a range-defined idle period, the carrier returns to its home position to charge.

2  FAST & ACCURATE
- 3 Direct Drive Motors: Utilizes three motors to smoothly propel retriever at speeds up to 12 feet per second.
- Auto Calibration: The AWD Pro keeps track of its position when it is shifted.
- Smooth Movement: The AWD Pro is designed to have a smooth ramp up and down, optimizing motor performance and increasing component life.

3  BALLISTIC TARGET CLAMP
- One Hand Operation: The AWD Pro features a proprietary Cam Clamp that holds a target or backer tightly, yet releases with a simple squeeze of the lever.
- Armored: The clamp and downrigger are ballistic AR500 steel to deflect handgun and rifle rounds.
- Auto-Calibration: The target clamp is built to rotate freely when hit to help dissipate energy. It then immediately auto-calibrates into its last position.

4  SOLID BALLISTIC DESIGN
The AWD Pro retriever was engineered to withstand the harsh conditions of an indoor range.
- Armored: The front deflector plate utilizes AR500 steel with a carefully engineered angle to deflect both rifle and handgun bullet impacts.
- Reinforced Side Impact Plates: The AWD Pro carrier’s sides and back are covered with heavy-duty steel to deflect side impacts and prevent splatter damage.

5  ROBUST MODULAR TRACK
- Safe: Heavy-duty steel with a flat bottom directs all rounds towards the bullet trap.
- Modular: Design consists of interchangeable 6-foot sections for easy installation and service.

IMPROVED TRAINING
The AWD Pro™ target retriever boasts powerful features to optimize training potential.

DRILLS & SCENARIOS
The AWD Pro features 27 games and drills developed by leading firearms trainers to improve any shooter.
- Pistol & Rifle Programs: Beginner, intermediate, and advanced drills.
- Decision Making Drills: Self-guided charging, reloading, and decision-making drills.
- Qualification: Various qualification drills ensure firearm proficiency.

TOUCH SCREEN
Each AWD Pro comes with its own simple-to-use control panel that maximizes training time on the range.
- User Tested: Months of user testing ensures that anyone can easily operate even the most complex features with little to no assistance.
- Complete Lane Control: Shooters are able to control their shooting distance, stall lighting, target lighting, target behavior, time drills, and more.

TARGET PRESENTATION
- Target Behavior: Targets can spin 360 degrees with random edging, spinning, and teasing motions.
- Dynamic Lighting: Equipped with police lights, muzzle flash, night vision red light, and various solid white brightness settings in the stall and on the carrier.
- Randomized Drills: Quickly set up a time drill using random distances, target face, and behavior.
360° TURNING
Optional 360-degree turning clamp may be added for improved functionality.

FAST
Capable of traveling up to 9 feet per second.

ACCURATE
Target distances are accurate within 1 inch.

LIGHTING
Optional carrier lighting, including police strobes, create realistic training scenarios.

OUTDOOR USE
Rated for reliable operation in outdoor conditions.

BALLISTIC
Constructed with AR500 steel, precise angles, and industrial strength components.
A PROVEN STANDARD WITH ADVANCED FEATURES

The Mancom™ Touch Plus retriever is a tried and true, cable-driven retriever with modular upgrade options to meet the needs of any range. Commercial ranges, police departments, and military installations depend on the Touch Plus every day to deliver reliable training with 360-degree turning, programs, and advanced lighting.

1 TOUCH SCREEN INTERFACE
A user friendly touch screen interface controls all of the retriever features, including lighting, target turning, shooting distance, and more.
- **Complete Lane Control:** Users are able to control their shooting distances, stall lighting, target lighting, target exposure, time drills, programs, and more.
- **Industrial Strength Components:** The Touch Plus interface is built to withstand the abusive environment of a shooting range.

2 SOLID BALLISTIC DESIGN
The Touch Plus retriever was engineered to withstand the harsh conditions of an indoor range.
- **Armored:** The front deflector plate, target clamp, and downrigger utilize AR500 steel with a carefully engineered angle to deflect rifle and handgun bullet impacts.
- **Reinforced Side Impact Plates:** The Touch Plus carrier’s sides and back are covered with steel to deflect side impacts and prevent splatter damage.

3 IMPROVED LIGHTING
Adding optional lighting improves target visibility and creates an ideal atmosphere for training.
- **Carrier White Light:** A white light illuminates the target to improve visibility.
- **Carrier Police Lights:** Create realistic training scenarios with three selectable patterns of red, blue, and white strobes.
- **Stall White Light:** White stall lights may be added to enhance visibility around the shooter.

4 FAST ACCURATE POSITIONING
The Touch Plus utilizes a powerful motor to accelerate the carrier at speeds up to 9 feet per second.
- **Auto-Calibration:** The Touch Plus keeps track of its position when it is shifted.
- **Smooth Movement:** The Touch Plus is designed to have a smooth ramp up and down, optimizing motor performance and increasing component life.

5 ROBUST MODULAR TRACK
- **Ballistic:** Constructed of heavy-duty steel to resist damage from errant shots.
- **Safe:** Flat-bottomed design prevents ricochets from leaving the range by directing rounds towards the bullet trap.
- **Modular:** Design consists of interchangeable 6-foot sections for easy installation and service.

6 TURNING TARGET CLAMP
An optional target clamp may be added to the Touch Plus to turn targets up to 360 degrees.
- **One-Hand Operation:** The Touch Plus features a proprietary clamp that holds a target or backer tightly, yet releases with a simple squeeze of the lever.
PILOT™

LOW MAINTENANCE
Wireless, clever design and Strike Watch technology drastically reduce maintenance.

INTEGRATED CAMERA
Provides real time view of the target on the control screen, at any distance.

HIDDEN CLAMP
Recessed clamp avoids damage from bullet strikes and is easy to operate with one hand.

WIRELESS
Functions without the use of cables or bus bars, reducing downtime.
SIMPLE, SMART, WIRELESS
The Pilot satisfies the need for a robust wireless retriever with simple out and back functionality. The integrated camera and target lighting add a powerful training experience.

MAXIMUM UPTIME
Advanced design and technology make the Pilot best-in-class for dependability with maximum uptime.
- Hidden Clamp: A recessed clamp eliminates bullet strike damage and improves shooter safety.
- Strike Watch™: Patent Pending technology detects carrier bullet strikes and can auto-disable lane, preventing equipment abuse.
- Armored Housings: 3/8” AR500 front armor and 11ga side housings avoid bullet strike damage.
- Wireless: No exposed cables and downrange bus-bars.
- Modular Track: Quick-change universal track sections.
- Lithium Ion Batteries: Long life with auto charging and auto-homing idle timer ensure all-day use.

EASY-TO-USE TECHNOLOGY
Simplified user controls, responsive touch screen interface and integrated carrier camera set the Pilot apart.
- Integrated Camera: Keep an eye on your target without going downrange to review the target.
- Simple Touch Screen Interface: A simplified interface allows easy control of the Pilot Retriever.

ENHANCED TARGET VISIBILITY
Adjustable lighting controls allow real-world lighting on target.
- Strobes: 3 sequences of red, white and blue lighting on carrier allow real world emergency lighting.
- Muzzle Flash: Illuminate the target in short bursts to simulate return fire.
- Fully Dimmable White Light: Control the amount of light on the face of target.
SIMPLE ROBUST RETRIEVER

The Mancom™ Touch-N-Go was specifically designed to be a quality retriever with simple functionality and is constructed of industrial-grade components.

OPTIONAL LIGHTING

The Touch-N-Go retriever features an optional light that runs on rechargeable batteries. When the carrier returns home it automatically charges, requiring no downrange bus bars or maintenance.

ROBUST MODULAR TRACK

- **Ballistic**: Constructed of heavy-duty steel to resist bullet damage.
- **Safe**: Flat-bottomed design directs rounds towards the bullet trap.
- **Modular**: Interchangeable 6-foot sections for easy installation and service.

KEYPAD

The Touch-N-Go retriever features an easy-to-use keypad to send the retriever out and back. Accurate target distances are displayed on the digital screen.

SIMPLE ECONOMICAL RETRIEVER

The SRET target retriever is Action Target’s longest standing retriever. The base SRET model is available with a toggle switch and is its most economical retriever.

KEYPAD

The SRET is available with an optional keypad in both turning and non-turning configurations. The turning SRET provides enhanced training capabilities for ranges equipped with a central range control system.

TOGGLE SWITCH

The most basic and easiest to operate interface available. Simply toggle a switch to send a target out and back.
**TARGET RETRIEVER FEATURE COMPARISON**

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<th>SRET</th>
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**CAPABILITIES OF OPTIONAL CENTRAL RANGE CONTROL SYSTEM**

- Per-Lane Timing: ✔️
- Custom Courses of Fire: ✔️
- Time Drills: ✔️
- Lane Light Control: ✔️
- Range Condition Light: ✔️
- HVAC Control: ✔️
- Photo Beam: ✔️
- Key Fob: ✔️
- Tablet Control: ✔️

*Standard Feature | Optional Feature | *Max speeds exclude ramp up and ramp down times. **Top speeds require central range control.
RANGE CONTROL

WIRELESS
Various wireless options are available to provide control from anywhere in the range.

TARGET CONTROL
Actuate individual target systems from one central location.

RANGE CONTROL
Control stall, retriever, range condition lights, HVAC, photo beams, and more.

SECURE
Systems are set up within a secure internal network.

CUSTOM PROGRAMS
Create and store custom courses of fire, time drills, and other training scenarios.

DURABLE
Control screens and devices are built to withstand the harsh conditions of a shooting range.
RANGE CONTROL

Expand the functionality of your range by adding a range control system. Our targetry systems tie into our range control software to provide enhanced training, qualifications, custom programming, and time management and remote service.

TAKE CONTROL DOWN RANGE

Wireless control options give instructors the power to control targets on the line and while providing immediate feedback and training to their shooters.

RANGE CONTROL

Control stall, retriever, and range condition lights as well as target systems, HVAC, photo beams, and more.* You can also actuate individual or multiple target systems from one central location.

CREATE DYNAMIC COURSES OF FIRE

Get the most of your training atmosphere by programming and storing custom courses of fire, timed drills, and other training scenarios.

EMERGENCY STOP

Integrated emergency stop functionality will edge targets and remove individual range control in the case of a ceasefire condition.*

TAKE CONTROL OF YOUR TRAINING WITH SMARTRANGE AXIS™ FOR GENESIS™ AND PILOT™

SmartRange Axis™ is a powerful range management solution for lane time and full target retriever control.

RETRIEVER CONTROL

Take control of one or multiple lanes with SmartRange Axis’ Retriever Control. This allows trainers and staff personnel to manually control or run programs and time drills in sync across multiple lanes.

- **Program Creation:** Build dynamic programs and organize them by folder. Control exposure time, edge time and cycle count, or establish random parameters for a truly unpredictable and challenging training.
- **Time Drills:** Setup and execute timed drills with specific exposure times, cycle counts and more for training or qualification.

LANE MANAGEMENT

SmartRange Axis’ Lane Management is second to none, offering the ability to enter shooter’s names, assign them unique permissions and designating lane time limits. This is available at the front counter or conveniently accessed from the RSO’s tablet.

- **User Profiles:** User profiles are created by ranges and assigned to shooters at time of check-in. Each user profile carries specific permissions to accessible programs, view/edit permissions, lighting controls and equipment features. This allows ranges to tailor each session based on specific criteria.
- **Lane Time:** Assign a specific amount of time to a shooter. Once they are in their lane and start their session, the lane time starts counting. After their session ends, their carrier automatically returns home. Need more time? SmartRange Axis’ Lane Management Tool allows range staff to easily add more time to a lane.

ACTION TARGET CONNECTED

SmartRange Axis runs off a range server that is deployed at each range. This server connects with Action Target allowing remote troubleshooting, remote system and content updates, and system analytics for improved and streamlined business processes. As the building block for the future, SmartRange Axis will continue to grow and become a central element for all range operations.

*Not all features are compatible with every system. Contact your sales representative for more information.

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ENGINEERED TO PERFECTION
TOTAL CONTAINMENT TRAP™

DURABLE
Patented ballistic design ensures that the trap is able to handle millions of handgun, shotgun, and rifle rounds.

SAFE AND CLEAN
Collects lead fragments and dust for recycling, and keeps them from impacting surrounding ground, waterways, and air.

LOW MAINTENANCE
Modular system is designed to collect lead with no downtime. Does not require the use of water or rubber.
A SOUND INVESTMENT

The Total Containment Trap™ makes lead collection easier. The lead it recovers can be used in our Metals Recycling and Filter program to cover the cost of range supplies, new products, or product upgrades. Learn more on page 128.

- LOWER DAILY MAINTENANCE
- NO NEED TO MINE LEAD
- BUILT IN MONITORING AND SYSTEM ALERTS

HOW TO CAPTURE BULLETS

The Total Containment Trap™ uses a patented system to ensure that every round fired in a range is captured safely and effectively while providing a tactical close-range and cross-lane shooting environment. Here’s how it works.

1 FUNNEL PLATES
   Precisely engineered armor steel funnel plates direct fired rounds into the mouth of the trap.

2 DECELERATION CHAMBER
   Rounds pass through the open mouth and into the Vortex™ chamber where they spin along the wall of the chamber and decelerate and are then deposited into a bullet collection system.

3 BULLET COLLECTION SYSTEMS
   Once decelerated, rounds fall into a Bullet Collection System, like the BCS Deluxe 20, where they are deposited into a barrel for recycling.

4 DUST COLLECTION UNIT
   Using negative pressure, the Dust Collection Unit draws lead dust from the trap and deposits it into a containment system.

Regular maintenance will keep your Total Containment Trap running at peak condition. Let Action Target’s range services team take care of this for you. Contact us to learn more:
877.852.2418 / ActionTarget.com/Services

Learn more about the Total Containment Trap at ActionTarget.com/TCT
SUPERIOR BULLET COLLECTION

The Total Containment Trap™ offers unparalleled efficiency and reliability for collecting bullets. Other bullet traps do not have the ability to contain lead fragments and dust as effectively as the TCT. The patented design utilizes a number of features that not only capture lead fragments and dust, but also make the process of recycling lead easier.

1 FUNNEL PLATES

Precisely engineered ballistic steel deflects bullets into the Vortex™ chamber with minimal splatter. These plates provide ballistic protection to the building. ATI Class 1 (handgun) and ATI Class 2 (rifle) rated options are available. Two plate configurations are available based on range use and training needs. Indoor and outdoor options are also available.

OPEN MOUTH DESIGN

An innovative design system keeps the mouth of the trap open without the use of internal vertical supports. This design allows for safer tactical and cross-lane shooting.

VARIOUS CONFIGURATIONS

The Total Containment Trap is available in a number of different configurations to meet the specific needs of any range. The standard configuration uses 3 deflection plates on top and 5 on bottom (3x5) to allow for a longer shooting distance than the 4x4 setup. Both the 3x5 and 4x4 traps are available in either ATI Class 1 (pistol) or ATI Class 2 (rifle) rated options.

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2 VORTEX™ DECELERATION CHAMBER

The Vortex deceleration chamber separates the Total Containment Trap from the competition. This chamber catches millions of rounds, slows them down, and deposits them in a large container for recycling. Available in the ATI Class 2 (rifle) rated option.

- **Safe Open Mouth:** The Vortex uses a patented design to keep the chamber mouth open without internal supports or deflectors. This allows for safe cross-lane shooting.
- **Ballistically Sound:** The Vortex is rated for ATI Class 1 (handgun), ATI Class 2 (rifle) ballistics, and limited quantities of higher caliber rounds up to .50 BMG* (refer to page 70 for details). All types of frangible and other lead free rounds are acceptable.
- **Durable:** The shape and ballistic steel of the chamber are precisely engineered to capture millions of rounds without damage to the chamber walls.
- **Modular:** The unique design of the Vortex allows individual components of the chamber to be easily maintained and serviced.
3 BULLET COLLECTION SYSTEMS

Once decelerated, rounds fall into a bullet collection system where they are collected for recycling. Three options are available to fit the needs and budget of any range.

BCS DELUXE 20

The BCS Deluxe 20 collects bullets in 20-gallon drums for recycling. The BCS Deluxe 20 is only compatible with a 3x5 Total Containment Trap configuration.

- **Easy to Check:** The integrated barrel lid includes a sight window for quick and easy drum fill level identification.
- **Simple Removal:** The drum is sealed to the discharge hopper with a lid clamp equipped with a quick disconnect toggle clamp. Each drum has a heavy-duty reusable dolly for easy drum maneuvering during change-out.
- **Most Time Between Service Intervals:** The large 20-gallon drum size decreases the frequency that the TCT needs to be emptied.
- **Integrates with Metals Recycling Program:** Get the most from your used bullets by having your 20-gallon drums picked up and exchanged with our Metals Recycling and Range Supplies Program. Learn more on page 124.

EASY FILL LEVEL CHECK

The BCS 20 integrates a sight window into the drum cap making it easy to check the fill level of your drums. Simply look through the window and you’ll know when it’s time to recycle the drum.

NO TOOL DRUM REMOVAL

The drum is connected to the discharge hopper with a lid clamp equipped with a quick release toggle clamp. This tool free design makes replacing drums simple and quick.

SIMPLE DRUM TRANSFER

We offer three tool options to transfer full drums to a pallet.

- **Barrel Hawk:** Functions like a pneumatic hand cart.
- **Crane:** Uses a chain winch to lift and move drums.
- **Fork Lift Mounted:** Mounts to a forklift.

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BCS BASIC 3
The Vortex is also available with an economical BCS Basic 3 with 3.5-gallon canisters that attach underneath the chamber to collect dropped bullet fragments. The canisters can be picked up and exchanged with our Metals Recycling and Range Supplies Program. Learn more on page 124.

BCS AUTO 55
The redesigned BCS Auto 55 is the most efficient method for collecting bullets on large volume ranges. It uses an auger that automatically moves lead from the Vortex chamber into a large drum for easy collection.

- **Safe and Clean:** The patented system provides sealed containment of rounds and allows ranges to safely collect lead for recycling. Range staff need only to cap the full barrel and replace it with an empty barrel.
- **Lowest Downtime:** The BCS Auto 55 collects bullet fragments automatically while reducing range downtime and saving on labor costs.
- **Rotation Sensor:** A rotation sensor ensures the system operates with minimum downtime and alerts staff when attention is required.
- **Barrel Fill Sensor:** The barrel fill sensor keeps track of how full the system is. An on-site display panel and computer interface notifies the range staff when it’s time to replace the barrel.
- **Access Lid:** The uptake auger is equipped with an access lid to simplify system preventative maintenance.
- **Fail-Safe Systems:** Self-lubricating bearings keep the auger turning smoothly, reducing wear. If for any reason the system does get jammed, a shear coupling prevents damage to the auger itself, reducing maintenance cost and time.
- **Integrates with Metals Recycling Program:** The 55-gallon drums used by the BCS Auto 55 can be picked up and exchanged with our Metals Recycling and Range Supplies Program. Learn more on page 124.
4. DUST COLLECTION UNIT
Bullets emit a significant amount of lead dust. The Dust Collection Unit removes this dust from the trap and collects it for easy recycling.

VERTICAL CARTRIDGE DESIGN
The vertical design of the Gold Cone filter cartridge provides more efficient pulsing of high loading dust and increased filter media. This means more efficient operation, longer filter life, and reduced service requirements. The vertical filters of the Action Target Dust Collection Unit are rail mounted for easy removal and replacement.
**HEMIPLEAT® HIGH EFFICIENCY FILTERS**

The HemiPleat cartridge filters contain a proprietary blend of cellulose and polyester fibers with a moisture resistant silicone treatment. HemiPleat breathes more air with less energy and increases the cleaning effectiveness. HemiPleat filters in Action Target’s Dust Collection Units are 99.99% efficient at 0.5 µm.

**GSC TOUCH SCREEN CONTROLLER**

Action Target Dust Collection Units feature touch screen controllers with energy efficient modes of operation. The software provides a flat menu structure that allows access to the most common parameters with the fewest number of button clicks.

**AIR INTAKE MANIFOLD**

The Patent Pending air intake manifold works in combination with the Dust Collection Unit to efficiently draw dust from the Vortex chamber. Negative air pressure is perfectly distributed to remove and collect lead dust from the trap.

- **A. INCREASED VELOCITY**
  Removes dust from trap mouth.

- **B. LOW VELOCITY**
  Forms a negative pressure system that allows dust to be drawn into the air intake manifold.

- **C. AIR INTAKE MANIFOLD**
  Draws with high velocity to ensure lead dust is efficiently pulled into the Dust Collection Unit and not released.

- **D. BULLET FRAGMENTS**
  Fragments are able drop into a Bullet Collection System for easy recycling.

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  Fragments are able drop into a Bullet Collection System for easy recycling.
<table>
<thead>
<tr>
<th>BALLISTIC RATING</th>
<th>CALIBER RATING</th>
<th>MAXIMUM VELOCITY</th>
<th>MAXIMUM ENERGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATI Class 1</td>
<td>Pistol</td>
<td>1,485 fps</td>
<td>1,175 ft/lbs</td>
</tr>
<tr>
<td>ATI Class 2</td>
<td>Rifle*</td>
<td>3,388 fps</td>
<td>3,600 ft/lbs*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LEAD COLLECTION</th>
<th>POWER REQUIREMENT</th>
<th>EMPTYING PROCESS</th>
<th>CONTAINER REQUIREMENT</th>
<th>RANGE ANNUAL VOLUME</th>
<th>CONTAINER WEIGHT</th>
<th>FILL LEVEL SENSING</th>
<th>SYSTEM MONITORING</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCS Basic 3</td>
<td>None</td>
<td>Manual</td>
<td>3.5-gal. (standard 3/lane)</td>
<td>&lt;750,000 rounds</td>
<td>64 lbs (50% full)</td>
<td>Translucent Container</td>
<td>No</td>
</tr>
<tr>
<td>BCS Deluxe 20</td>
<td>None</td>
<td>Wheel Base and Crane</td>
<td>20-gal. DOT (standard 2/lane)</td>
<td>All</td>
<td>500 lbs (80% full)</td>
<td>Sight Window</td>
<td>No</td>
</tr>
<tr>
<td>BCS Auto 55</td>
<td>208/240/480V 3 phase**</td>
<td>Powered</td>
<td>55-gal. DOT (1/trap)</td>
<td>All</td>
<td>1,208 lbs (80% full)</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OUTDOOR BOOM</th>
<th>TRAP</th>
<th>APPLICATION</th>
<th>SEISMIC ZONE</th>
<th>WIND LOAD RATING</th>
<th>SNOW LOAD RATING</th>
<th>PAD THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Size</td>
<td>3x5</td>
<td>Outdoor/Indoor</td>
<td>Lowest Hazard***</td>
<td>≤ 140 mph (no special regions)</td>
<td>≤ 20 psf @ given elev.</td>
<td>≈ 18 inches</td>
</tr>
<tr>
<td>Medium Size</td>
<td>4x4</td>
<td>Outdoor/Indoor</td>
<td>Medium Hazard**</td>
<td>≤ 140 mph (no special regions)</td>
<td>≤ 50 psf @ given elev.</td>
<td>≤ 20 inches</td>
</tr>
<tr>
<td>Large Size</td>
<td>3x5</td>
<td>Outdoor/Indoor</td>
<td>Highest Hazard***</td>
<td>&gt; 140 mph</td>
<td>&gt; 50 psf @ given elev.</td>
<td>≈ 24 inches</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TYPICAL PISTOL AMMUNITION</th>
<th>TYPICAL RIFLE AMMUNITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>.22LR 40gr HP 1,060 fps 100 ft/lbs</td>
<td>.22LR 40gr HP 1,260 fps 141 ft/lbs</td>
</tr>
<tr>
<td>9mm Luger 124gr FMJ 1,295 fps 460 ft/lbs</td>
<td>5.56x45mm NATO 55gr FMJ 3,388 fps 1,402 ft/lbs</td>
</tr>
<tr>
<td>.357 Mag 158gr JSP 1,375 fps 663 ft/lbs</td>
<td>7.62x51mm NATO 150gr FMJ 3,025 fps 3,048 ft/lbs</td>
</tr>
<tr>
<td>.40 S&amp;W 180gr TMJ 1,000 fps 400 ft/lbs</td>
<td>.308 Win 150gr SPTZ 2,900 fps 2,800 ft/lbs</td>
</tr>
<tr>
<td>.45 ACP 230gr TMJ 845 fps 365 ft/lbs</td>
<td>.30-06 180gr SPTZ 2,900 fps 3,360 ft/lbs</td>
</tr>
<tr>
<td>.44 Mag 240gr SWC 1,485 fps 1,175 ft/lbs</td>
<td>.300 Win Mag 190gr BTHP 2,900 fps 3,548 ft/lbs</td>
</tr>
</tbody>
</table>

The maximum velocity and maximum energy values for the above pistol and rifle ammunition are provided for example purposes only and are not all inclusive.

*Not rated for armor-piercing or atypical ammunition. Capable of use with .50 BMG rounds, however these shorten the life expectancy of trap components and may void warranty. See TCT operations and maintenance manual or check online at ActionTarget.com/TCT for details on .50 BMG use.

**International power and/or custom single phase options available upon request.

***Source: USGS Seismic Map

****Dimensions do not include silencer.
## Dust Collection Unit Specifications

<table>
<thead>
<tr>
<th><strong>Model</strong></th>
<th><strong>Trap Width (Feet)</strong></th>
<th><strong>CFM (Max)</strong></th>
<th><strong>Size (Inches)</strong></th>
<th><strong>Filter Config. (WxDxH=Total)</strong></th>
<th><strong>Collection Drum</strong></th>
<th><strong>Power Requirements</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Above Trap</td>
<td>0-26</td>
<td>1620</td>
<td>94 x 54 x 42</td>
<td>4x1x1 = 4</td>
<td>6x3.5 Gallon</td>
<td>240v single phase or 208/240/480V 3 phase</td>
</tr>
<tr>
<td>GSM-480</td>
<td>0-8</td>
<td>480</td>
<td>33 x 33 x 112-1/8</td>
<td>1x1x1 = 1</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS2-900</td>
<td>9-15</td>
<td>900</td>
<td>42-1/4 x 45-1/2 x 160-7/16</td>
<td>1x2x1 = 2</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS2-1140</td>
<td>16-19</td>
<td>1140</td>
<td>42-1/4 x 45-1/2 x 160-7/16</td>
<td>2x2x1 = 4</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS4-2640</td>
<td>20-44</td>
<td>2640</td>
<td>42-1/4 x 45-1/2 x 160-7/16</td>
<td>2x2x1 = 4</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS4-2880</td>
<td>45-48</td>
<td>2880</td>
<td>42-1/4 x 45-1/2 x 160-7/16</td>
<td>2x2x1 = 4</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS4-3420</td>
<td>49-57</td>
<td>3420</td>
<td>42-1/4 x 45-1/2 x 160-7/16</td>
<td>2x2x1 = 4</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS4-4200</td>
<td>58-70</td>
<td>4200</td>
<td>42-1/4 x 45-1/2 x 160-7/16</td>
<td>2x2x1 = 4</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS4-4680</td>
<td>71-78</td>
<td>4680</td>
<td>42-1/4 x 45-1/2 x 160-7/16</td>
<td>2x2x1 = 4</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS4-5400</td>
<td>79-90</td>
<td>5400</td>
<td>42-1/4 x 45-1/2 x 160-7/16</td>
<td>2x3x1 = 6</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS4-6120</td>
<td>91-102</td>
<td>6120</td>
<td>42-1/4 x 45-1/2 x 160-7/16</td>
<td>2x3x1 = 6</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS4-6840</td>
<td>103-114</td>
<td>6840</td>
<td>51-3/4 x 104-1/2 x 160-7/16</td>
<td>4x2x1 = 8</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS12-7800</td>
<td>115-130</td>
<td>7800</td>
<td>84-1/4 x 87-1/2 x 160-7/16</td>
<td>4x3x1 = 12</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS12-8520</td>
<td>131-142</td>
<td>8520</td>
<td>84-1/4 x 87-1/2 x 160-7/16</td>
<td>4x3x1 = 12</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
</tr>
<tr>
<td>GS12-9600</td>
<td>143-160</td>
<td>9600</td>
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<td>4x3x1 = 12</td>
<td>55 Gallon</td>
<td>208/240/480V 3 phase</td>
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*Dimensions do not include silencer*

---

**BUILT TO FIT ANY RANGE**

Every part of the TCT is modular, which allows for seamless integration in new or existing ranges and easy maintenance and servicing of individual parts.

**Vortex:** Available in 3, 4, and 5-foot widths. Each section can be removed and reinstalled individually.

**Trap Legs:** Flat floors are often uneven. The leg height is adjustable to ensure the trap stays level on any floor.

**Lead Containment:** An outdoor boom system allows the trap to be installed outdoors (protecting the environment from lead contamination) without a building structure. Action Target engineers ensure that the boom complies with local snow, wind, and seismic load conditions.
RESPONSIBLE
Action Target has kept approximately 2,000,000 tires out of landfills by designing, installing and utilizing granular Rubber Bullet shooting traps throughout the United States.

FIRE RESISTANT
Optional treatment is Class A ASTM E108-11 compliant, the best rating on the market.

TACTICAL
Allows for close-range and cross-lane tactical training for all small arms calibers.

MODULAR
Components fit through standard doors and can be expanded to fit almost any range design.

STRUCTURAL
Engineered to the highest standards. Structural stamps are provided upon request.
NOT ALL RUBBER BERM TRAPS ARE BUILT ALIKE

Action Target’s Rubber Berm Trap has a number of attributes that set it apart from the competition. The trap is engineered with a uniquely designed galvanized steel frame that holds rubber in place to safely capture rounds. The rubber can also be treated to provide maximum fire protection.

1 RUBBER GRANULES
Action Target offers a variety of styrene-butadiene rubber granule sizes and grade options to fit the needs of any range.

2 FIRE TREATMENT
An optional flame resistant treatment gives the granules the industry’s best fire rating.

3 SELF-SUPPORTING FRAME
The Rubber Berm Trap frame is engineered to provide the safest rubber trap available. The structural berm is designed to IBC standards.

4 PATENTED FIN DESIGN
A patented fin design ensures that rubber is retained at a depth that is safe for both shooters and the trap, reducing time to maintain trap during operation.

5 SIDEWALL PROTECTION
Optional AR steel sidewall protection prevents damage to range walls from bullets.

6 INTEGRATED BAFFLES
Optional integrated overhead baffles improve protection for the building structure. Baffles can also be positioned as a hopper feeder for granule distribution.

Action Target has kept approximately 2,000,000 tires out of landfills by designing, installing and utilizing granular rubber bullet shooting traps throughout the United States.
INNOVATIVE FEATURES
The Rubber Berm Trap is designed to create the safest rubber trap available. With a powerful frame, the industry’s best fire treatment, and most reliable splatter containment, this is a trap you can trust.

INTERNAL FRAME DESIGN
Action Target’s Rubber Berm Trap frame is engineered to provide the safest rubber trap available. Its patented design ensures that rubber is maintained at a safe depth.
- **Modular:** Each frame component is small enough to fit through a regular door and is assembled to fit nearly any range size. The trap easily replaces sand and dirt berms.
- **Consistent:** A patented fin design maintains a consistent minimum 24-inch thick rubber layer (36 inches for .50 BMG) or 36 inches from the shooter’s position.
- **Self-Supporting:** The frame can be installed free-standing or against a wall or existing berm without needing to be tied into any overhead structure.
- **Indoor and Outdoor Rated:** The frame is galvanized for indoor and outdoor use.
- **Structurally Sound:** The structure easily handles the weight of the rubber and bullets. A structural stamp for snow, wind, and seismic loads is available upon request.
- **Customizable Height:** The standard trap height is 8 feet. Other sizes are available upon request.
- **High Power Upgrade:** Modified designs are available for use with .50 BMG. Increased rubber depth and monitoring is required. Some designs may require an AR deck plate.

RUBBER GRANULES
Action Target offers a variety of rubber granule options to fit the specific needs of any range. All Action Target rubber granules are composed of styrene-butadiene rubber.
- **Standard Rubber:** Harvested from large radius truck tires, the standard rubber option has an average granule size of 0.75-inch and is 99.9% free of loose wire or exposed steel.
- **Premium Rubber:** This longer lasting option is harvested from off-the-road tires, has an average granule size of 1.25-inch and is naturally 99.9% free of loose wire or exposed steel.
- **Ballistic:** Granules accept all standard handgun rounds, rifle rounds, and 00 buck shot (no incendiary or tracer rounds*).
- **Durable:** Each lane of a standard 8-foot tall trap can hold 80,000 rounds (60,000 rounds for a 6-foot trap) before bullets should be mined (actual round capacity varies based on trap size and round type).
- **Splatter Free:** Minimizes airborne lead dust and bullet splatter, capturing bullets intact.
- **Fire Resistant:** Applying an optional flame resistant treatment gives the granules the industry’s best fire rating. This proprietary treatment (pictured above) makes the trap Class A ASTM E108-11 compliant.

INTEGRATED BAFFLES
Optional integrated overhead baffles improve protection for lights, pipes, targetry, or HVAC. Baffles can also be positioned as a hopper-feeder.
- **Overhead Protection:** Secondary splatter is safely contained within the trap.
- **Hopper-Feeder:** Positioning baffles as a hopper-feeder helps maintain proper rubber granule depth.
- **Sidewall Protection:** Optional sidewall protection will prevent damage to range walls from bullets.

The Rubber Berm Trap requires mining after every 80,000 rounds per lane. Let Action Target’s range services team take care of this for you. Contact us to learn more: 877.852.2418 / ActionTarget.com/Services

Learn more about the Rubber Berm Trap at ActionTarget.com/RBT

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BULLETT TRAPS

RUBBER BERM TRAP FEATURES

| BALLISTIC RATINGS | ATI Class 1 (Handgun) | 
| RUBBER DEPTH | 24" (for use with standard handgun and rifle rounds) |
| | 36" (for use with .50 BMG rounds)** |
| RUBBER QUALITY | Standard SBR |
| | Premium SBR |
| FIRE TREATMENT | Class A ASTM E108-11 Flame Resistant Treatment |
| TRAP HEIGHT | 6' |
| | 8' |
| | 10' |
| CONFIGURATION | Against Back Wall |
| | Freestanding |
| | Sidewall Protection |
| | Integrated Baffles |
| | Hopper-Feeder Baffle |
| | Structural Stamp |
| | .50 BMG Rated High Power Upgrade (Additional Rubber Required) |

* Standard Feature  ○ Optional Feature

TYPICAL AMMUNITION SPECIFICATIONS

<table>
<thead>
<tr>
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<th>TYPICAL RIFLE AMMUNITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>.22LR</td>
<td>40gr HP</td>
</tr>
<tr>
<td>9mm Luger</td>
<td>124gr FMJ</td>
</tr>
<tr>
<td>.357 Mag</td>
<td>158gr JSP</td>
</tr>
<tr>
<td>.40 S&amp;W</td>
<td>180gr TMJ</td>
</tr>
<tr>
<td>.45 ACP</td>
<td>230gr TMJ</td>
</tr>
<tr>
<td>.44 Mag</td>
<td>240gr SWC</td>
</tr>
</tbody>
</table>

The maximum velocity and maximum energy values for the above pistol and rifle ammunition are provided for example purposes only and are not all inclusive.

*Not rated for tracer, incendiary, armor-piercing, or atypical ammunition. Approved for use with .50 BMG rounds at 25 yards with high power upgrade; however, use will shorten the life expectancy of the trap components. See RBT operations and maintenance manual or check online at ActionTarget.com/RBT for details on .50 BMG use.

**6-foot trap is not compatible with .50 BMG.

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PROTECT YOUR ENTIRE BUILDING

CEILING BAFFLES  78
WALL BAFFLES  80
**BALLISTIC**
Able to handle thousands of handgun and rifle rounds without damage.

**SAFE**
Patented design prevents splatter from injuring range users and staff.

**MODULAR**
Individual parts may be replaced as necessary, reducing through-life costs.

**CUSTOMIZABLE**
Compatible with various fascia options, range sizes, and ballistic ratings.

**QUIET**
Available sound abating fascia reduces volume within range walls.

**OUTDOOR RATED**
May be installed in outdoor settings with an overhead structure.
COVERAGE YOU CAN COUNT ON

Using a patented design, Action Target’s ceiling baffles provide ballistic protection for ceiling structures, lights, electrical, and ventilation systems while keeping shooters and range employees safe.

1 SOUND REDUCING FASCIA
A variety of available fascia options improve comfort for range users and customize the look of a shooting range.

2 WOOD PANEL
A layer of wood traps bullet splatter, keeping shooters and range staff safe.

3 Z-FURING
A steel Z-furring creates space for a bullet to splatter.

4 BALLISTIC STEEL PANELS
Steel panels prevent bullets from escaping the range. ATI Class 1 (handgun) and ATI Class 2 (rifle) options are available.

5 MODULAR DESIGN
Action Target’s ceiling baffles are designed to make installation possible in small spaces and facilitate the replacement of individual parts.

CONFIGURATIONS

Ceiling baffles are installed to provide complete overhead ballistic coverage in either fixed firing line or tactical ranges. Structural stamps are available upon request.

Fixed Firing Line Configuration: More economical layout that provides coverage from one firing line position.

Tactical Configuration: Provides coverage from any firing position, allowing shooters to move up and down the range safely.
WALL BAFFLES
Wall baffles provide ballistic protection for wall structures and keep errant rounds safely within the shooting range. This solution contains splatter and accept sound abatement material or rubber. This is especially important in tactical ranges where cross-lane shooting occurs.

1 FASCIA
Helps contain splatter and provides sound abatement for the range.

2 WOOD
Traps bullet splatter.

3 Z-FURRING
Creates necessary space for the bullet to splatter.

4 BALLISTIC STEEL
Prevents bullets from escaping the range.

WALL DEFLECTORS
Wall deflectors are installed in front of the bullet trap and over wall seams to keep rounds within the range. Deflectors consist of two parts that are precisely engineered to direct rounds downrange without dangerous splatter angles. Deflectors are also designed with replaceable wear plates.

BALLISTIC
Able to contain thousands of rifle and handgun rounds.

SAFE
Captures bullets and splatter, promoting a safe environment.

MODULAR
Individual parts may be replaced as necessary, reducing through-life costs.
BAFFLE FASCIA OPTIONS

Both ceiling and wall baffle systems can be customized with a variety of fascia options that provide sound abatement, make the range more comfortable for users, and give it a clean, finished look. These materials are available in a number of thicknesses and colors.

Acoustic Ceiling Tile: Low cost with high sound reduction.
PEPP: Attractive finish, medium to high sound reduction.
Concrete Filler Board: Medium to high sound reduction.
Crumb Rubber: High splatter absorption, low sound reduction.
Acoustic Rubber: High splatter absorption, low sound reduction.

BALLISTIC RATING

<table>
<thead>
<tr>
<th>CALIBER RATING</th>
<th>MAXIMUM VELOCITY</th>
<th>MAXIMUM ENERGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATI Class 1</td>
<td>1,485 fps</td>
<td>1,175 ft/lbs</td>
</tr>
<tr>
<td>ATI Class 2</td>
<td>3,388 fps*</td>
<td>3,600 ft/lbs*</td>
</tr>
</tbody>
</table>

FASCIA

<table>
<thead>
<tr>
<th>NOISE REDUCTION COEFFICIENT</th>
<th>AVAILABLE COLORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acoustic Ceiling Tile</td>
<td>0.55 White</td>
</tr>
<tr>
<td>PEPP</td>
<td>0.45 / 0.70 White / Black</td>
</tr>
<tr>
<td>Concrete Filler Board</td>
<td>0.45 / 1.0 White</td>
</tr>
<tr>
<td>Crumb Rubber</td>
<td>0.05 Black</td>
</tr>
<tr>
<td>Acoustic Rubber</td>
<td>≈ 0.05 Black</td>
</tr>
</tbody>
</table>

TYPICAL PISTOL AMMUNITION

<table>
<thead>
<tr>
<th>CALIBER</th>
<th>MAXIMUM VELOCITY</th>
<th>MAXIMUM ENERGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>.22LR</td>
<td>1,060 fps</td>
<td>100 ft/lbs</td>
</tr>
<tr>
<td>9mm Luger</td>
<td>1,293 fps</td>
<td>460 ft/lbs</td>
</tr>
<tr>
<td>.357 Mag</td>
<td>1,375 fps</td>
<td>663 ft/lbs</td>
</tr>
<tr>
<td>.40 S&amp;W</td>
<td>1,000 fps</td>
<td>400 ft/lbs</td>
</tr>
<tr>
<td>.45 ACP</td>
<td>845 fps</td>
<td>365 ft/lbs</td>
</tr>
<tr>
<td>.44 Mag</td>
<td>1,485 fps</td>
<td>1,175 ft/lbs</td>
</tr>
</tbody>
</table>

TYPICAL RIFLE AMMUNITION

<table>
<thead>
<tr>
<th>CALIBER</th>
<th>MAXIMUM VELOCITY</th>
<th>MAXIMUM ENERGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>.22LR</td>
<td>1,260 fps</td>
<td>141 ft/lbs</td>
</tr>
<tr>
<td>5.56x45mm NATO</td>
<td>55gr FMJ</td>
<td>3,388 fps</td>
</tr>
<tr>
<td>7.62x51mm NATO</td>
<td>150gr FMJ</td>
<td>3,025 fps</td>
</tr>
<tr>
<td>.308 Win</td>
<td>2,900 fps</td>
<td>2,800 ft/lbs</td>
</tr>
<tr>
<td>30-06</td>
<td>2,900 fps</td>
<td>3,360 ft/lbs</td>
</tr>
<tr>
<td>300 Win Mag</td>
<td>190gr BTHP</td>
<td>2,900 fps</td>
</tr>
</tbody>
</table>

*Not rated for armor-piercing or atypical ammunition. Approved for use with .50 BMG rounds, however they shorten the life expectancy of trap components. Do not shoot .50 BMG from a fixtured position or in automatic or short burst rounds.
PROTECT YOUR TEAM

DEFENDER™ STALL 84

SENTRY™ STALL 86

GUARDSMAN™ STALL 87
MODULAR Interchangeable components allow for future upgrades and complete customization.

CUSTOMIZABLE Multiple colors, accessories, ballistic panels, and table configurations are available.

BALLISTIC Independent UL 752 and EN 1063 tests validate ballistic integrity of panels.

VERSATILE Tactical carts, pivot tables, and dimmable lights allow for versatile use and training.

MODERN DESIGN The Defender stall sets ranges apart with its modern design.

SERVICEABLE Modular components allow for easy maintenance and replacement as parts wear.
UNMATCHED MODULARITY AND CUSTOMIZATION

The Defender™ Shooting stall is the most modular shooting stall on the market. Interchangeable ballistic panels make it easy and economical to replace parts. Custom color options and attachable accessories give your range a unique look and feel.

1. **BRASS DEFLECTOR**
   A standard brass deflector blocks brass from traveling into adjacent lanes, creating a clean and safe environment for customers.

2. **MUZZLE BLAST BARRIER**
   Adding a muzzle blast barrier to the front of the stall drastically improves the shooter’s comfort by blocking muzzle blasts from adjacent lanes.

3. **ABS SKIN**
   A textured layer of ABS plastic can be added to the stall column to give extended protection to the stall finish.

4. **LED LIGHTING**
   Adding a fully dimmable light allows users to customize their shooting experience.

5. **STALL TABLES**
   In addition to the standard fixed table (with optional shelf), the Defender stall is compatible with a pivot table, rifle table, adjustable height rifle table, and tactical cart. These options improve functionality and ease of downrange access. See page 89 for more details.

---

**BALLISTIC PANEL INSERTS**
Customize your stalls with ballistic glass for improved visibility or solid ballistic steel core panels for optimal privacy.

- **STANDARD**
  - Full Solid: Optimal Privacy
  - Split Glass: Improved Visibility
  - Full Glass: Optimal Visibility

---

**PRIVACY GLASS**
Switchable privacy glass allows ranges to benefit from the privacy of a solid stall and the visibility of a glass stall. Simply press a switch and the glass becomes transparent.

---

Learn more about the Defender™ stall at [ActionTarget.com/Defender](http://ActionTarget.com/Defender)
ENHANCED PRIVACY AND FUNCTIONALITY

The Sentry Shooting Stall comes in a standard and deluxe configuration. The Sentry offers ranges a more economical single panel option while the Sentry Deluxe offers customers a private shooting experience. Set your range apart with this private shooting stall and its custom accessory and color options.

1 **BRASS DEFLECTOR**
   An optional brass deflector blocks brass from traveling into adjacent lanes, creating a clean and safe environment for customers.

2 **MUZZLE BLAST BARRIER**
   Adding a muzzle blast barrier to the front of the stall drastically improves the shooter’s comfort by blocking muzzle blasts from adjacent lanes.

3 **LED LIGHTING**
   A fully dimmable light can be added that allows users to customize their shooting experience.

4 **STALL TABLES**
   The Sentry and Sentry Deluxe Stalls are compatible with the standard fixed table or rifle table (shelf optional). A pivot table for easy downrange access may be added. See page 88 for more details.

5 **BALLISTIC PANELS**
   Stalls can be customized with ballistic glass for improved visibility or solid ballistic steel core panels for cost economy. Available options include glass, rubber-lined steel, or wood/ABS lined steel.

Learn more about the Sentry™ Stall at ActionTarget.com/Sentry
SIMPLE BALLISTIC PROTECTION

The Guardsman Shooting Stall features a rugged, yet simple design that retains the industry-leading ballistic standards to which Action Target proudly holds itself. With a stainless steel trim and ABS skin, it withstands the abusive conditions of a range with ease.

1 **ABS SKIN**
A rugged ABS skin resists brass impacts for long life and low maintenance.

2 **CONTROL PANEL**
Control panels can be installed at standard or ADA compliant heights.

3 **TABLE**
Features a standard fixed table (with optional shelf), rifle table, pivot table, or tactical cart for down-range access.

4 **STAINLESS STEEL TRIM**
A stainless steel trim protects all edges of the Guardsman from damage.
SHOOTING STALL ACCESSORIES

The American Series, Sentry™, and Defender™ shooting stalls have a number of available accessories that customize the shooter’s experience and add functionality to any shooting range.

FIXED TABLE SHELF
An optional storage shelf can be added to the fixed table for added convenience.

TACTICAL CART
The tactical cart detaches from the stall and rolls downrange for tactical training. A storage shelf is included.

PIVOT TABLE
The pivot table rotates out of the way for easy range maintenance and tactical training scenarios.

BRASS DEFLECTOR
An optional brass deflector blocks brass from traveling into adjacent lanes, creating a clean and safe environment for customers.

LED LIGHTING
Adding a fully dimmable light allows users to customize their shooting experience.

MUZZLE BARRIER
Adding a muzzle blast barrier to the front of the stall drastically improves the shooter’s comfort by blocking muzzle blasts from adjacent lanes.

RIFLE TABLE
The rifle table is an extra deep fixed table that allows shooters to use a bipod, sandbag, lead sled, etc.

ADJUSTABLE HEIGHT
RIFLE TABLE
Pneumatically changes height to accommodate ADA or seated shooters.

RIFLE RACK
Safely store your rifle with the barrel pointing downrange. Rubberized hooks prevent damage to the firearm.

BALLISTICALLY RATED

Action Target shooting stalls are engineered and independently tested to provide the best ballistic protection in the industry. Glass and steel core panels are available in ATI Class 1 (handgun) and ATI Class 2 (rifle) rated options.

STEEL CORE
Action Target’s steel core panels provide a more private shooting experience and feature a three-layer system designed to capture and contain accidental discharges.

ATI Class 2 Steel:
5 shots, 5.56x45 NATO.

1 Rugged Outer Layer: Outer plastic layer protects shooters from ricochets by allowing bullets to pass through while preventing splatter.
2 Wood Mid-Layer: A wood mid-layer absorbs bullet energy and helps contain splatter.
3 Steel Core: An independently-rated ballistic steel core stops the bullet.

CLEAR BALLISTIC GLASS
Providing the same level of protection as a steel core panel, ballistic glass allows optimal visibility on a range while maintaining ballistic protection. Action Target’s glass is produced using a proprietary layering system that is independently rated.

ATI Class 2 Glass:
One shot, 7.62x51 NATO
### Stall Panel Ballistic Ratings

<table>
<thead>
<tr>
<th>Material</th>
<th>ATI Class</th>
<th>Caliber</th>
<th>Max Velocity</th>
<th>Max Energy</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass</td>
<td>Class 1</td>
<td>Pistol</td>
<td>1,485 fps</td>
<td>1,175 ft/lbs</td>
<td>UL752 Lv 3; EN1063 BR4(S)</td>
</tr>
<tr>
<td></td>
<td>Class 2</td>
<td>Rifle*</td>
<td>3,388 fps</td>
<td>3,600 ft/lbs</td>
<td>EN1063 BR5(S)</td>
</tr>
<tr>
<td>Solid</td>
<td>Class 1</td>
<td>Pistol</td>
<td>1,485 fps</td>
<td>1,175 ft/lbs</td>
<td>UL752 Level 3</td>
</tr>
<tr>
<td></td>
<td>Class 2</td>
<td>Rifle*</td>
<td>3,388 fps</td>
<td>3,600 ft/lbs</td>
<td>UL752 Level 5, 7, 8, 9, 10</td>
</tr>
</tbody>
</table>

*Not rated for armor-piercing or atypical ammunition.

### Stall Panel Ballistic Ratings

<table>
<thead>
<tr>
<th>Panel Options</th>
<th>Steel Core</th>
<th>Ballistic Glass</th>
<th>Switchable Privacy Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEEL CORE FASCIA</td>
<td>Rugged Plastic</td>
<td>Brass Deflector</td>
<td>Muzzle Blast Barrier</td>
</tr>
<tr>
<td></td>
<td>Rubber Panel</td>
<td>Integrated Dimmable White Light**</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixed Table</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shelf for Fixed Table</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pivot Table</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rifle Table</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adjustable Height Rifle Table</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tactical Cart</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Typical Ammunition Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Caliber</th>
<th>Max Velocity</th>
<th>Max Energy</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>.22LR</td>
<td>40gr HP</td>
<td>1,060 fps</td>
<td>1,175 ft/lbs</td>
<td></td>
</tr>
<tr>
<td>9mm Luger</td>
<td>124gr FMJ</td>
<td>1,293 fps</td>
<td>460 ft/lbs</td>
<td></td>
</tr>
<tr>
<td>.357 Mag</td>
<td>158gr JSP</td>
<td>1,000 fps</td>
<td>365 ft/lbs</td>
<td></td>
</tr>
<tr>
<td>.45 ACP</td>
<td>150gr SS</td>
<td>845 fps</td>
<td>400 ft/lbs</td>
<td></td>
</tr>
</tbody>
</table>

*The maximum velocity and maximum energy values for the above pistol and rifle ammunition are provided for example purposes only and are not all inclusive.*
CLEAN
Range air is cleaned from lead dust before being reintroduced to the range or released back into the atmosphere.

AIRFLOW
Downrange Airflow keeps the range comfortable by moving particulates away from the shooter's respiratory zone.

CLIMATE CONTROL
Systems adapt to changing environmental conditions to maintain required air speed and pressure conditions.
CLEAN AND EFFICIENT SHOOTING RANGE VENTILATION

Ventilation in a shooting range is an essential and vital component of the overall range design. Proper ventilation improves the shooter's experience and provides a safe atmosphere for employees and customers. Action Target provides 180-degree ceiling-mounted air delivery ventilation systems that exceed OSHA, EPA, and NIOSH regulations.

1 SYSTEM CONTROL
Available digital and analog systems give you control over the ventilation system and provide remote access for service and maintenance.

2 LAMINAR DIFFUSION
Clean air is introduced into the range behind the shooting line. A radial diffuser ensures the air is evenly distributed.

3 AIRFLOW
Negative air pressure draws hazardous dust safely away from the shooter toward the bullet trap where it enters a filtration system for a final cleaning process.

4 FILTRATION
Available purge and recirculating systems filter and collect contaminated air, meeting OSHA, EPA, and NIOSH requirements.
A SYSTEM FOR EVERY CLIMATE

Action Target offers a variety of ventilation systems to meet the needs of any range. Both purge and recirculation systems are available, as well as systems with heating and/or cooling. Ventilation can also be installed internally and externally.

PURGE SYSTEM

A purge system draws air from the atmosphere, introduces it into the range, filters the air, and then releases cleaned air back into the atmosphere. Purge systems use pre-filters that are changed monthly and HEPA filters that are changed every 2,400 hours.

100% PURGE, HEATING ONLY

• Has two units: make up air (MAU) and range exhaust fan (REF).
• Primarily for colder, more humid climates (northeast, midwest, Atlantic, Great Lakes, and northwest).

100% PURGE, HEATING, AND EVAPORATIVE COOLING

• Primarily for warmer, dry climates (southwest area).
• Air heated by a direct gas-fired system.

SUPERIOR FILTRATION

Shooting Range HVAC systems are only as good as the filters they use. Action Target utilizes filters specially made for use in a live-fire shooting environment, keeping the area inside and around the shooting range clean and safe.

Action Target recommends combining a 22”–30” bag filter and a 12” HEPA filter to stop 99.97% of particles from entering the atmosphere. Bag filters offer many advantages over a pre-filter/mid filter combination. They require less frequent replacement due to more surface area that holds more particles, require less storage space, and are easier to move to the facility roof. They are also easier to replace and generate less hazardous waste by reducing the number of filters needed.

Learn more, see all our options, and purchase high quality filters at Shop.ActionTarget.com

RECIRCULATION SYSTEM

A recirculation system reuses air from the range after filtering to ensure that reintroduced air is clean. Because the system uses air that is already cooled or heated, these systems require less energy to function.

RECIRCULATING HEAT AND MECHANICAL COOLING

• 75% recirculation and 25% outside air mix.
• Triple filtration (pre, mid, HEPA).
• Trane and Daikin cooling units.
### PURGE/RECIRCULATION SYSTEMS

<table>
<thead>
<tr>
<th>Range Width</th>
<th>Supply Airflow at Firing Line (CFM)*</th>
<th>Exhaust Airflow at Bullet Trap (CFM)*</th>
<th>Recirculated Air (CFM)*</th>
<th>Fresh Outside Air (CFM)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 feet</td>
<td>3,000</td>
<td>3,000</td>
<td>2,250</td>
<td>750</td>
</tr>
<tr>
<td>10 feet</td>
<td>6,000</td>
<td>6,600</td>
<td>4,500</td>
<td>1,500</td>
</tr>
<tr>
<td>15 feet</td>
<td>9,000</td>
<td>9,900</td>
<td>6,750</td>
<td>2,250</td>
</tr>
<tr>
<td>20 feet</td>
<td>12,000</td>
<td>13,200</td>
<td>9,000</td>
<td>3,000</td>
</tr>
<tr>
<td>25 feet</td>
<td>15,000</td>
<td>16,500</td>
<td>11,250</td>
<td>4,500</td>
</tr>
<tr>
<td>30 feet</td>
<td>18,000</td>
<td>19,800</td>
<td>13,500</td>
<td>5,250</td>
</tr>
<tr>
<td>35 feet</td>
<td>21,000</td>
<td>23,100</td>
<td>15,750</td>
<td>6,000</td>
</tr>
<tr>
<td>40 feet</td>
<td>24,000</td>
<td>26,400</td>
<td>18,000</td>
<td>6,750</td>
</tr>
<tr>
<td>45 feet</td>
<td>27,000</td>
<td>29,700</td>
<td>20,250</td>
<td>7,500</td>
</tr>
<tr>
<td>50 feet</td>
<td>30,000</td>
<td>33,000</td>
<td>22,500</td>
<td>8,250</td>
</tr>
<tr>
<td>55 feet</td>
<td>33,000</td>
<td>36,300</td>
<td>24,750</td>
<td>9,000</td>
</tr>
</tbody>
</table>

*Values are approximate, based on average system size. Actual values may vary based on unique range conditions.

**Recommended filter configuration based on cost and efficiency. Triple filtration options that use a pre-filter and mid-filter are also available upon request.
RANGE LIGHTING

COLOR TEMP
Light color temperature creates a comfortable atmosphere.

LIGHT BRIGHTNESS
Perfect amount of light to brighten a range without causing eye strain.

PLACEMENT
Precisely engineered locations prevent shadows and glare.

CONTROL
Our control system gives you complete control over all your range lights.
LIGHTING THAT SETS RANGES APART

Lighting can make all the difference to the mood and comfort of a shooting range. Action Target has worked with lighting experts, range designers, and engineers to create a perfect lighting solution with ideal brightness, temperature, and position to provide the perfect training environment.

1 STAGING AREA
Sufficient lighting for range safety officers and shooters to stage their firearms while avoiding eye strain.

2 STALL LIGHTING
Provides glare-free and strain-free lighting at the table without casting shadows.

3 DOWNRANGE LIGHTING
Properly placed lighting provides continuous illumination in the entire range. Track and baffle placement are taken into account to reduce shadows that distract shooters and create a dingy environment.

4 POLICE STROBES
Optional police strobes may be added to create real-life training scenarios.

5 CONTROL SYSTEMS
Our advanced lighting control allows ranges to create unique settings throughout the range. Individual fixtures or zones can be turned on, off, or dimmed.

Learn more about Range Lighting ActionTarget.com/Lighting.
PREPARE YOUR TEAM FOR WHAT AWAITS
BALLISTIC
Live fire shoot house with handgun, shotgun, and rifle rated options.

MODULAR
Utilizes interchangeable parts and numerous training accessories.

CONNECTED
Integrates with central range control software for advanced features and functionality.

CUSTOMIZABLE
MATCH can be custom engineered to meet the specific needs of any agency.

CLEAN AND SAFE
Splatter containing walls, zero SDZ design, and ventilation provide a safe training environment.

ENGINEERED
Every aspect of MATCH is carefully engineered to provide the best shoot house possible.
UNMATCHED LIVE FIRE TRAINING ATMOSPHERE

MATCH revolutionized shoot houses more than 20 years ago and continues to set the standard in creating the best and safest live fire training atmosphere. Using a relatively small number of parts, MATCH may be configured into any number of designs for small, medium, and large shoot houses. MATCH uses steel core wall panels that stack compactly and assemble quickly. This approach allows an entire shoot house building to be shipped inside a single 20-foot container. These parts can be assembled completely without welding. The unique MATCH design also reduces whole-life costs by employing through-hardened steel, innovative accessories, and multiple fascia options.

1 REALISTIC ROOM SHAPES
MATCH utilizes six and nine-inch thick wall panels that can be assembled in nearly any configuration to mimic realistic environments.
- **Flexible Number of Rooms:** MATCH can add as many rooms as your training needs require.
- **Adaptable Room Sizes:** Room sizes vary from 16 to more than 1,000 square feet.
- **Various Room Types:** Rooms can be set up in configurations such as long, short wall right, short wall left, center entry, multiple entry, irregular, and irregular with hidden areas. Rooms can also include closets, balconies, hidden areas, and more to enhance training exercises. Hallways are also easy to configure.

2 VARIED ROOM ENTRIES
MATCH can add as many rooms as your training needs require.

3 MULTIPLE LEVELS
MATCH can be configured with up to three levels. This gives training facilities the ability to replicate sniper shots, stairway clearance, and balcony engagements.
- **Single Story Plans:** Set up your shoot house for realistic single level training exercises.
- **Two and Three Story Plans:** MATCH utilizes a proprietary design to allow ballistically safe training on multiple levels. Houses are engineered to comply with local seismic codes.
- **Stairwells:** Open, closed, outside, and “L” and “U” shaped stairwells are available.

4 RECONFIGURABLE ROOMS
MATCH uses sliding ballistic panels to allow trainers to change the room configuration and paths through the house quickly and easily while maintaining zero SDZ. Available in window and wall options.
- **Change Entry Points:** Create multiple entry configurations, including corner, center, and window entries, simply by moving a panel. Easily change the flow of the house or divide it in two for simultaneous training.
- **Change Room Layout:** Target systems and bullet traps may be placed in multiple locations without compromising the ballistic integrity of the room.

5 VILLAGES (MOUT)
Sometimes one MATCH is not enough. In these cases it takes a village. Shoot house villages allow for more advanced training scenarios and simultaneous urban training.
- **Roof to Window Sniper Training:** Having a shoot house village allows training between buildings, including sniper shooting through windows.
- **Urban Environment Exercises:** Villages create open space where vehicles such as helicopters and APC’s can be used for advanced deployment and extraction exercises.

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**Ballistic Protection**

MATCH™ is built to be safe from room to room and outside of the shoot house. Action Target’s unique design is built to keep all rounds and splatter safely contained within the walls, protecting shooters, trainers, and observers.

**SDZ and VDZ Rated Layouts**

MATCH provides a viable training environment with a zero Surface Danger Zone (SDZ) both inside and outside the structure. MATCH walls are engineered to easily accept a ballistic roof system to create a zero Vertical Danger Zone (VDZ).

- **Ballistic Rated**: ATI Class 1 (handgun) and ATI Class 2 (rifle)
- **Patented Gap-Free Design**: Panels fit together and are sealed to eliminate gaps where rounds could escape the shoot house, such as through corners and around doors.
- **Ballistic Ceiling Ready**: MATCH walls are built to accept a ballistic ceiling without requiring modification to provide VDZ protection.
- **Safe Entry Points**: Safety walls or sliding ballistic panels to maintain a zero SDZ around entry points.

**Splatter Containment**

MATCH wall panels use a specially engineered method to capture rounds and contain splatter, protecting shooters, trainers, and observers from injury. Surfaces can be painted to indicate no shoot zones or replicate real indoor surfaces.

MATCH walls utilize a unique splatter containment design.

1. **Fascia**: A rubber or wood fascia contains bullet splatter.
2. **Air Space**: A steel z-furring strip creates room for the bullet to fully fragment against the steel plate.
3. **Optional Gravel Fill**: Wood panel fascia may use a gravel fill with a rubber membrane to improve the life of the panel by reducing the energy on the steel plate. Using panels without a gravel fill significantly reduces the panel inspection time.
4. **Steel Core**: Ballistic steel ensures all rounds are safely captured within the walls.

**Wood Panel Fascia**: The wood panel fascia comes with or without gravel filling.

**Rubber Fascia**: Easy-to-replace rubber composite fascia heals around bullet holes, which keeps the shoot house visually clean.
The Portable Bullet Trap extends the life of a shoot house by capturing rounds in an easy to maintain system. Strategic placement of portable traps can reduce the number of rounds fired into the shoot house walls by as much as 90%. The 1/2-inch AR500 steel plate disintegrates bullets to dust and jackets. The trap is large enough to accept standard size paper and cardboard targets.

**DIMENSIONS**

<table>
<thead>
<tr>
<th>W x D x H (in inches)</th>
<th>30.5 x 29.0 x 72.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>340 lbs.</td>
</tr>
</tbody>
</table>

**AMMUNITION RATING**

- ATI Class 1 (Handgun)
- ATI Class 2 (Rifle)

**FEATURES**

- Extends Shoot House Life: Properly using portable traps will extend the life of your shoot house indefinitely.
- Splatter Free: All rounds are contained within the trap, protecting shooters and others from bullet splatter and ricochet.
- Replaceable Panel: Over time, the rubber layer on the outside of the trap will wear out. Replacing this is easy and much less expensive than replacing shoot house walls.
- Patented Bullet Fragment Collection Tray: The bottom of the trap opens up to empty splatter from the trap into a container for recycling.
- Mobile: A locking wheel base makes the trap easy to move. Both a patented brass deflecting wheel skirt and rough terrain wheel option are available.

**PORTABLE BULLET TRAP FEATURES**

- Rough Terrain Wheel
- Brass Deflecting Wheel
- AutoTargets™ BTL

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BREACH ACCESSORIES

MATCH™ is ideal for all forms of forced entry training. Available accessories provide advanced room clearing training, including searching for hiding areas and secret tunnels.

WALL BREACH
Available wall breach panels allow for standard wall cutting and explosive breach training. Wall breach panels can also be installed on interior walls to create hiding spaces.

ROOF BREACH / RAPPELLING
Installing a ballistic roof breach door into a MATCH safety ceiling allows entry from the roof:

- **Panel Ready**: Pre-drilled holes easily accept plywood or rubber panels for cutting or explosive breach training.
- **Rappelling Anchor**: An available anchor accepts climbing ropes for rappelling into a room.

VENTILATION DUCT
Custom ventilation ducts with removable fans can be installed for enhanced entry and extraction training techniques.

TUNNELS
Custom built underground tunnels can connect rooms within a MATCH shoot house or connect multiple houses within a village.
TACTICAL BREACH DOOR

The Tactical Breach Door is ideal for every type of forced entry training. The door is available in both left and right swinging options.

- **Battering Ram Breaching:** An adjustable latch system can be set to varying degrees of force, including kicking and hitting with a battering ram. The latch simply has to be reset for reuse and does not require consumable pins.
- **Shotgun Breaching:** A disposable wooden dowel in the door latch allows for shotgun breach training.
- **Explosive Breaching:** The breach door can be used for explosive breach entry.
- **Freestanding Frame Option:** An available free-standing option allows the Tactical Breach Door to be used on any concrete pad.

### TACTICAL BREACH DOOR FEATURES

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>W x H (in inches)</th>
<th>36.0 x 81.75</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATCH SETTINGS</td>
<td>Kick</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Heavy Kick</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Shoulder</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Battering Ram</td>
<td>●</td>
</tr>
<tr>
<td>DOWEL</td>
<td>Shotgun Breach</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Explosive Breach</td>
<td>●</td>
</tr>
<tr>
<td>CONFIGURATION</td>
<td>Left Door Frame</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Right Door Frame</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Freestanding Frame</td>
<td>○</td>
</tr>
</tbody>
</table>

● Standard Feature   ○ Optional Feature
AFTER ACTION REVIEW

Custom integrated instrumentation dramatically enhances the effectiveness of after action review procedures. With these systems, trainers are able to safely observe and assess trainees’ retention and execution.

CAMERA SYSTEMS

Closed circuit cameras allow for remote observation and evaluation. Cameras are contained in a protective housing and are rated for diverse climates.

VIDEO RECORDING

Servers, video software, and DVR components provide storage and training replay on demand.

AUDIO SYSTEMS

PA and other audio systems help trainers communicate with trainees as well as give them the ability to pipe sound effects into the house, enhancing the reality of the training.

MONITORING

Display monitors are available in all sizes and aspect formats. Integration with the Action Target SmartRange™ system allows trainers to observe multiple rooms at the same time or switch between cameras.
**ADDITIONAL ACCESSORIES**

Every detail of MATCH™ is carefully designed to provide the safest and best live fire training environment possible. These important accessories will ensure that your trainees are prepared for whatever they may encounter.

**VENTILATION**

Keeping a facility clear from lead dust, smoke, and other airborne materials is an essential part of creating a safe atmosphere for shooters and trainers alike. Action Target provides the best solutions for properly ventilating a shoot house. Various options are available to fit the needs of each house configuration.

**LIGHTING**

Lighting can have a dramatic impact on a MATCH™ facility. From low-light, to bright-light training and everything in between, lights are essential to recreating real-world scenarios. Action Target offers a number of options to fit the specific needs of each agency.

- **Advanced Control:** Lighting can be operated from a central control system or by automatic sensors in each room.
- **Safe:** Lights are contained within explosion-resistant housings.
- **Low Maintenance:** Lights can be replaced with a simple power outlet. Nothing is hardwired or hidden behind walls, reducing the time required to replace any fixtures.

**CATWALKS**

Catwalks span across the top of a single story shoot house to give visual access to all rooms of the facility so controllers can provide instant feedback and instruction to trainees below.

- **Heavy Duty Steel:** Catwalks are structurally built to support multiple observers, trainers, and VIPs safely. The rugged design will hold up to years of continuous use.
- **Weather Resistant:** Steel parts are hot dip galvanized to prevent rust and ensure long life, eliminating the need to paint, stain, or seal the catwalk system. The wood-free design is also impervious to weather cracking and rot.
- **Flexible Configurations:** Our design team can create a unique catwalk layout for any shoot house.

**RAPID ARMOR PANEL**

The Rapid Armor Panel is a bolt-on accessory that extends the life of steel panels as they wear over time. Adding the Rapid Armor Panel is much easier and less expensive than replacing an entire shoot house wall, significantly reducing the through-life cost of the shoot house.

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NON-BALLISTIC
For use with Simunition FX™, Force on Force™, and Man Marker™, and other NLFA rounds.

MODULAR
Interchangeable parts can be configured in nearly any layout.

LIGHTWEIGHT
Requires only two people for assembly and take down.

RUGGED DESIGN
Interlocking panels built with precision to keep walls upright even in winds up to 40 mph.

DURABLE
Quality panels are built to stand up to years of use in training scenarios.

VERSATILE
Adaptive training prepares personnel to be ready for any fight.
RECONFIGURABLE FORCE-ON-FORCE TRAINING ATMOSPHERE

The Training Ammunition Combat (TAC) House is a non-ballistic training tool for adaptive urban assault, building search and clearing and force-on-force training. Designed for use with simulated ammunition rounds, marking cartridges, or blanks, teams can train with their own converted duty weapons. The TAC House provides a true-to-life training environment with solid walls and real doors. The modular design of the TAC House gives trainers the ability to rapidly convert any outdoor or indoor space into a realistic tactical training facility. Interlocking panels provide maximum stability and a precise fit and finish. An outdoor panel option can withstand rain, humidity, and winds up to 40 mph.

TRAIN WITH PURPOSE
Ideal for low light, force on force, active shooter, urban assault, mission planning, and walkthrough scenarios. Your personnel will be prepared for any challenges they may encounter.

EASY TO RECONFIGURE
Each structure kit comes with all the necessary components for assembling multiple layouts and floor plans.
- Fast Assembly: In only a few hours you can create a new and unique training environment.
- Easy Setup: Only a 5/16” hex head wrench is required.

PRECISE FIT AND FINISH
Every panel is built to assemble with flush connections and a flat, stable base. This creates a structure that is forgiving on uneven surfaces and withstands heavy wind and intense wall impacts during training.

EASY TO DEPLOY
All kits ship on standard double pallets to fit in any container or commercial truck.

AVAILABLE PANELS
The TAC House has five available panels, including windows and doors, making it easy to set up unique room and house configurations. Every panel is constructed to provide flat and flush connections, creating a stable structure. TAC House is available with options for indoor and outdoor use.

AVAILABLE CONNECTIONS
With the TAC House connection joints you are able to set up your training facility in any way imaginable. Additional parts are warehoused for fast delivery.

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**COMPLETE KITS**

TAC House™ is available in four standard kits to make ordering easy for whatever configuration your agency may need. Additional components are warehoused for quick delivery to expand the size of your kit. Each kit provides enough materials to assemble multiple house layouts. Custom kits are also available.

**KIT 1** Up to 450 total sq/ft.
- **PANELS**
  - 30 Wall
  - 1 Window
  - 2 Left Door
  - 2 Right Door
  - 1 Open Door
  - 34 Posts
- **JOINTS**
  - 12 “L”
  - 38 “I”
  - 14 “T”
  - 2 “X”
  - 2 End

**KIT 2** Up to 800 total sq/ft.
- **PANELS**
  - 43 Wall
  - 1 Window
  - 3 Left Door
  - 3 Right Door
  - 2 Open Door
  - 50 Posts
- **JOINTS**
  - 20 “L”
  - 2 “X”
  - 58 “I”
  - 58 “T”

**KIT 3** Up to 1400 total sq/ft.
- **PANELS**
  - 56 Wall
  - 2 Window
  - 5 Left Door
  - 5 Right Door
  - 5 Open Door
  - 72 Posts
- **JOINTS**
  - 28 “L”
  - 2 “X”
  - 88 “I”
  - 4 End

**KIT 4** More than 2000 total sq/ft.
- **PANELS**
  - 120 Wall
  - 4 Window
  - 7 Left Door
  - 7 Right Door
  - 7 Open Door
  - 135 Posts
- **JOINTS**
  - 24 “L”
  - 2 “X”
  - 180 “I”
  - 8 End
### TAC HOUSE NON-LETHAL vs MATCH ATI CLASS 1 (HANDGUN) vs MATCH ATI CLASS 2 (RIFLE)

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>Panel Size (W x H x D)</th>
<th>TAC HOUSE NON-LETHAL</th>
<th>MATCH ATI CLASS 1 (HANDGUN)</th>
<th>MATCH ATI CLASS 2 (RIFLE)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4-ft x 8-ft x 4-inch</td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
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<table>
<thead>
<tr>
<th>AMMUNITION RATING</th>
<th>Non-Lethal</th>
<th>Standard Pistol</th>
<th>Standard Rifle</th>
<th>Breach/Explosives</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4-ft x 8-ft</td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
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</table>

<table>
<thead>
<tr>
<th>PANEL STYLE</th>
<th>Solid Wall</th>
<th>Window</th>
<th>Door</th>
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</thead>
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<tr>
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<td>4-ft x 8-ft</td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
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<table>
<thead>
<tr>
<th>FASCIA</th>
<th>Indoor – Melamine</th>
<th>Outdoor – Painted HDO Laminate</th>
<th>Plywood Panel with Rock Fill</th>
<th>Rubber Panel</th>
<th>Rubber Block (Custom)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>DOORS</th>
<th>Standard Door</th>
<th>Tactical Breach Door</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SLIDING BALLISTIC PANELS</th>
<th>Sliding Door/Wall Compatible</th>
<th>Sliding Window Compatible</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CEILING</th>
<th>Safety Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4-ft x 8-ft*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AFTER ACTION REVIEW</th>
<th>Camera Systems</th>
<th>Audio Equipment</th>
<th>Central Range Control Integration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
<td>4-ft x 8-ft*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIGHTING</th>
<th>Lighting Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4-ft x 8-ft*</td>
</tr>
</tbody>
</table>

- Standard Feature
- Optional Feature

*Thickness: Wood 6-inch, Rubber 9-inch. **Not approved for M855AI or M80 AI.

### TAC HOUSE NON-LETHAL vs MATCH ATI CLASS 1 (HANDGUN) vs MATCH ATI CLASS 2 (RIFLE)

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>ATI CLASS</th>
<th>CALIBER</th>
<th>MAX VELOCITY</th>
<th>MAX ENERGY</th>
<th>COMPLIANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLID</td>
<td>Class 1</td>
<td>Pistol</td>
<td>1,485 fps</td>
<td>1,175 ft/lbs</td>
<td>UL752 Level 3</td>
</tr>
<tr>
<td></td>
<td>Class 2</td>
<td>Rifle**</td>
<td>3,388 fps</td>
<td>3,600 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
</tbody>
</table>

**Not rated for armor piercing, atypical ammunition, M855 AI, or M80 AI. Big bore rounds can be used except for .338 Lapua: 3,000 fps & 4,850 ft/lbs, .50 BMG: 2,750 fps & 9,934 ft/lbs.

### TYPICAL PISTOL AMMUNITION

<table>
<thead>
<tr>
<th>CALIBER</th>
<th>MAX VELOCITY</th>
<th>MAX ENERGY</th>
<th>COMPLIANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>.22LR</td>
<td>2,000 fps</td>
<td>2,500 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>9mm Luger</td>
<td>1,240 fps</td>
<td>1,240 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>.357 Mag</td>
<td>1,800 fps</td>
<td>1,800 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>.40 S&amp;W</td>
<td>2,200 fps</td>
<td>2,200 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>.44 Mag</td>
<td>2,600 fps</td>
<td>2,600 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
</tbody>
</table>

### TYPICAL RIFLE AMMUNITION

<table>
<thead>
<tr>
<th>CALIBER</th>
<th>MAX VELOCITY</th>
<th>MAX ENERGY</th>
<th>COMPLIANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>.22LR</td>
<td>1,560 fps</td>
<td>1,560 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>5.56x45mm NATO</td>
<td>1,700 fps</td>
<td>1,700 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>7.62x51mm NATO</td>
<td>2,000 fps</td>
<td>2,000 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>.308 Win</td>
<td>2,400 fps</td>
<td>2,400 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>.30-06</td>
<td>2,700 fps</td>
<td>2,700 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>.300 Win Mag</td>
<td>3,000 fps</td>
<td>3,000 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>.338 Lapua</td>
<td>2,500 fps</td>
<td>2,500 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
<tr>
<td>.50 BMG</td>
<td>2,800 fps</td>
<td>2,800 ft/lbs</td>
<td>UL752 Level 5.7,8,9.10</td>
</tr>
</tbody>
</table>

The maximum velocity and maximum energy for the pistol or rifle ammunition identified above are being provided for example purposes only and are not all-inclusive.
SECURE YOUR INVESTMENT
PREVENTION
Video confirmation and two-way audio prevent incidents and reduce false alarms to less than 1%.

SECURE
Advanced video analytics offer a number of reliable events and alerts to provide accurate threat assessment.

COMPLETE
Combines all solutions into one easy-to-use system.

24/7 MONITORING
Trained security professionals review alerts 24/7.

CONNECTED
Stay connected, arm/disarm your security system, and view live video feed from anywhere.

FULL REDUNDANCY
Uninterrupted power supply keeps cameras on for 4+ hours and cellular gateway provides emergency backhaul.
1 PERIMETER PROTECTION
HD cameras with advanced video analytics provide the most reliable protection for your range. These systems are able to recognize a number of perimeter breaches including entering/exiting, object removal/abandonment, loitering, and system compromises. This is overseen at Fedora’s Fusion Monitoring Center.

2 ACCESS CONTROL
Secure each room or door with key card, biometric, or passcode access systems and manage user access through an easy-to-use cloud-based network.

3 TWO-WAY AUDIO
A perimeter solution that provides a full duplex audio system, giving the monitoring operator the ability to communicate with and warn a threat while calling law enforcement. This prevents break-ins and property damage from occurring in the first place.

4 INTERNAL SECURITY
Full 1080p HD cameras and alarms strategically placed throughout the facility reduce internal theft and burglary.

5 NETWORK VIDEO RECORDING
Network video recording systems provide 24-hour recording with 40+ days of storage capability. A video monitoring system allows the range to monitor its activity and is compatible with PC and mobile devices (iOS and Android).

6 IN-LANE MONITORING
Full 1080p HD cameras in each lane allow visibility for the range safety officers, range owner, and front desk.
ADVANCED MONITORING TECHNOLOGY

Action Target Security Powered by Fedora integrates cutting-edge camera technology, security equipment, highly trained security professionals, advanced monitoring centers, and intuitive user access management tools to provide the industry’s best security solution.

ADVANCED ANALYTICS + TWO-WAY AUDIO

External and internal cameras equipped with an integrated video algorithm and audio analytics actively differentiate between trespassers and objects moving in the wind. When a threat is identified, a trained security professional may address the perpetrator through two-way audio to prevent damage and theft while the authorities respond.

- **Perimeter Detection**: Creates events for a perimeter breach, object abandonment/removal, loitering, and more.
- **Focus/Scene Change**: Generates an alert when a camera is defocused or audio is abnormal.

VIDEO MONITORING SYSTEM (VMS)

Action Target’s security solution integrates a video monitoring system (VMS) to grant range owners 24/7 access to video feeds from anywhere in the world via smartphone or PC. This allows range owners to discretely observe business operations.

- **Mobile**: Provides range owner 24-hour access to cameras from mobile devices.
- **Customizable**: Users are able to customize notifications for critical events.

FUSION MONITORING CENTER

All security equipment is monitored and processed by professionally trained dispatchers at Fedora’s UL, CSAA, and ESA certified Fusion Monitoring Center located in Charlotte, North Carolina.

- **Reduces Criminal Activity**: Over 600 apprehensions and preventions in five years, ranking among the top five in the U.S.
- **Reliable**: A less than 1% false dispatch rate.
- **Holistic Solution**: Access to all systems (burglary and access control), 24/7 equipment monitoring, and post investigation assistance.

CLOUD-BASED MANAGEMENT

Each location or door secured by key card, biometric, or passcode access may be managed through a web-based management console.

- **Recorded Activity**: All activity for each area is recorded and available 24/7.
- **User Access**: User privileges may be adjusted/revoked at any time.
**OPERATIONAL PROCESS**

Action Target’s full line of security equipment ensures that threats are identified. Furthermore, our video confirmation method results in a less than 1% false alarm rate, versus the industry standard 90%, reducing costly visits and improving response times.

**INDUSTRY STANDARD**

<table>
<thead>
<tr>
<th>Threat Detection</th>
<th>Threat Identification</th>
<th>Immediate Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motion Sensors</td>
<td>Immediate Video Verification</td>
<td>False Alarms Rejected</td>
</tr>
<tr>
<td>Door Alarms</td>
<td>Threat Talk Down</td>
<td>Loudspeakers &amp; Lighting At Site</td>
</tr>
<tr>
<td>Video Detection</td>
<td>Site Owner Notification</td>
<td>Web Based Tracking</td>
</tr>
<tr>
<td>Glass Break</td>
<td>Threat Notification</td>
<td>Police, Fire, Or Security Guard</td>
</tr>
<tr>
<td>Key Card Access</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ACTION TARGET ADVANTAGE**

- **90% False Alarms**
  - Most security solutions only detect and notify. This means nearly all alarms result in emergency calls, with more than 90% being false.

- **<1% False Alarms**
  - Our use of advanced technology ensures that only true threats result in emergency calls with less than 1% false alarms. This decreases costs and improves response times.

**SECURITY POWERED BY FEDORA**

Action Target is partnered with Fedora Security LLC, a Texas based company that was founded with the vision of becoming a leading global provider of cost-effective, cutting-edge security solutions for targeted commercial and governmental markets. Fedora’s primary focus is on critical asset protection, loss prevention, intelligence, and public safety. Fedora offers unique solutions that incorporate the most advanced and relevant technology tailored to give the customer the most appropriate and cost-effective answers. The UL certified Fusion Monitoring Center is located in Charlotte, North Carolina.

**ALREADY HAVE A SECURITY SYSTEM?**

Your investment is protected. Action Target will work with you to assess and recommend improvements, such as adding video analytic cameras around the perimeter and connecting your existing solution to our state-of-the-art Fusion Monitoring Center.
GET THE MOST
OUT OF YOUR RANGE

RANGE TRAINING 122
Action Target and Team One Network have formed a partnership and have created newly designed courses to provide range master, firearms instructor, shoot house instructor and range safety officer certification. These updated courses will inform and instruct attendees of new technology in modern shooting ranges, target design, and training tactics.
RANGE MASTER
The range master has overall charge of the range and is usually the most experienced firearms instructor. This course further develops the firearms instructor’s knowledge by expanding their skills in the safe and efficient management of a firearms range and training program.

CHIEF RANGE SAFETY OFFICER
Chief Range Safety Officers are people who possess the knowledge, skills, and attitude essential to organizing, conducting, and supervising safe shooting activities and range operations. This course requires the NRA Range Safety Officer certification as a prerequisite. The successful completion of this course allows individuals to educate, train, and certify range safety officers.

RANGE SAFETY OFFICER
The Range Safety Officer program was developed in response to the demand for a nationally recognized range safety officer certification. Range safety officers are people who possess the knowledge, skills, and attitude essential to organizing, conducting, and supervising safe shooting activities and range operations.

DEFENSIVE PISTOL FOR THE CONCEALED CARRY
This course is designed to merge combative handgun techniques with everyday carry and concealment of a personal handgun. The course combines classroom and range time to give the student a solid understanding of what is required to deploy the combative handgun from a covering garment.

DYNAMIC USE OF TARGET SYSTEMS
This course provides a series of dynamic training exercises that will help you improve your live fire training program. Law enforcement communities know that realistic training is the key to giving students the experience necessary to prevail in stressful situations. This course offers some of our ideas on the use of a variety of targets in creating a building block approach to realistic training during live-fire exercises.

SHOOT HOUSE INSTRUCTOR
Shoot house training provides officers with the ability to hone their shooting skills under realistic, high-stress conditions. This course offers instructors all the tools necessary to build a shoot house program and improve their fellow officers’ shooting skills.

REACTIVE STEEL TARGET INSTRUCTOR WORKSHOP
The primary advantage of steel targets is that every accurate shot will give you instant feedback from the target’s reaction and satisfying “clang.” While steel targets are a fantastic training tool, there are safety considerations that need to be addressed. You have to be aware of what is behind the target as well as the bullet splatter area. Improper or inconsistent bullet splatter poses a significant risk. This course teaches how to use steel targets safely and the most effective ways to implement them into your firearms training.

COURSE OFFERING

TO REGISTER FOR, HOST OR SCHEDULE A CLASS
Team One Network
Corporate Training & Economic Development
2740 West Mason St. / Green Bay, WI 54307-9042
Phone 540.699.8060
info@teamonenetwork.com / www.teamonenetwork.com
Team One Network can modify or develop any course to your unique specifications.

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FAST
Our service teams will do what it takes to get your range up and going as quickly as possible.

RELIABLE
Services are performed by professionals who truly understand shooting ranges and their inherent challenges.

COMPREHENSIVE
All products in your range can be covered with our comprehensive service and maintenance plans.
YOUR TIME IS PRECIOUS, LET OUR EXPERTS KEEP YOUR RANGE RUNNING

Our job is not finished just because your range project is complete. Action Target offers a number of maintenance plans to ensure that your range runs optimally. These plans can be customized to your specific range needs and cover everything from parts maintenance to staff training.

RANGE VISITS
The backbone of our maintenance plans is our expert technician range visits. We will work with you to build a plan that will determine the appropriate number of annual visits your range requires. These visits include a number of services that will keep your range running at peak condition.

- **Product Inspections:** Our technicians will thoroughly inspect your range products for wear and assess necessary service and maintenance protocols.
- **Product Servicing:** Any products that are in need of service will be taken care of on-site. Whether it be electrical, pneumatic, or physical, our technicians have the skill and knowledge to restore product operation.
- **Preventative Maintenance:** Keeping your product running is more than fixing problems. Our technicians will perform necessary preventative maintenance, such as greasing, tensioning, filter replacement, and much more.
- **Staff Training:** While on-site our technician is available to provide ongoing equipment training for your staff.
- **Range Cleaning:** We offer a number of range cleaning services to keep your range safe for your staff and clients.

RUBBER TRAP MINING
We now offer the most efficient, comprehensive, and convenient rubber trap cleaning available. Also, where most companies take all the value of your used ammo, we give the value back to you.

- **Transparent Pricing:** We use a simple, transparent, all-inclusive pricing structure, based on the size of your trap and the LME index, to give you the best return on your metals. 100% of the metals value belongs to you and can be used to pay for the cleaning, for range maintenance and repairs, for range supplies, or we can send you a check. We also offer a 10% bonus credit on the value of your metals if you use it on Action Target products or services.
- **Convenience:** This complete turn key solution integrates with our metals recycling and filter disposal program. We also provide all the drums, pallets, packaging, and other transport materials, simplifying your role in the process.
- **Compliant:** Our system is OSHA and EPA compliant, provides thorough documentation for your records, and even captures the dust so your HVAC filters won’t be impacted.

REMOTE ACCESS
Many of our products may be accessed remotely so our team can identify potential problems and causes. This speeds up and reduces the cost of the maintenance process.

- **Service Logs:** Our team is able to remotely check the service logs of many products. These logs provide insight into stoppages and help us quickly identify solutions.
- **Software Upgrades:** As software improves, we are able to provide upgrades without the cost of sending a technician to your range.

 PHONE AND EMAIL SUPPORT
Once your range is functional we want to hear from you, be it the following week, year, or anytime you have a question or concern about your range. Action Target Customer Service is always on call and ready to help you with warranty issues, damaged parts, and anything else you need to keep your range running efficiently and effectively. We stand behind our work, and we stand behind you.

MAINTENANCE SCHEDULES
Once we have finished installing your range, we will provide you with a number of resources to help you maintain your range. From maintenance schedules to operation and maintenance manuals, we will ensure that you have what you need to properly care for your equipment.

INVENTORY
We maintain a parts inventory to speed up service times. Beyond that, our team will work with you to ensure that you have the necessary parts on-site to maximize the effectiveness of the technician’s visit.

WARRANTY
We are confident that we have created the best shooting range products. As such, we provide a one year warranty on our products including part replacement and technician visits as necessary. We also offer a number of extended warranties to give you added peace of mind. Find out more at ActionTarget.com/Warranty or by contacting our customer service team at support@actiontarget.com or 877.852.2418.

Customized maintenance plans are available for any range. For more information or to schedule a service contact us at: 877.852.2418 or support@actiontarget.com.
We provide a comprehensive and safe recycling collection method for your lead and brass. Our process is compliant with OSHA and EPA regulations.

With one simple call we remove the hassle of recycling your spent lead and brass.

With transparent published pricing based on the London Metals Exchange (LME) spot price, you can rest assured you are getting the best price for your recycled metal, even as prices fluctuate.

Our ammo is always in stock for small and large orders and 100% warrantied for quality and performance.
THE EASIEST AND MOST PROFITABLE WAY TO RECYCLE YOUR BRASS AND LEAD

Action Target offers a comprehensive program to ensure you get the most out of your lead and brass. Our convenient system makes it easy to turn your spent metals into range supplies and ammunition for your range.

COLLECT YOUR LEAD & BRASS
Simply collect and package lead, brass, and filters from your range.

FAST PICKUPS
We will pick up your lead, brass, and filters within 72 hours.

RANGE SUPPLIES & AMMUNITION
Maximize your profit by using the value of your lead and brass for discounted dealer pricing range supplies and ammunition.

BEST IN CLASS PAYMENT
Receive maximum value for your lead and brass.

CONTACT ACTION TARGET
Schedule a pickup and lock in your LME spot pricing. 801.876.2442
RECYCLING PROCEDURE
Recycling your metals with Action Target is easy and efficient. Simply call 801.876.2442 or email recycle@actiontarget.com to lock in your LME spot pricing and schedule a pickup. We’ll be there within 72 hours to pick up your metals. We’ll sort and weigh your metals at our warehouse and then issue your credit.

Fast, Convenient Pickup
- The minimum pickup weight is only 4,000 lbs with no maximum limits.
- Total weight and quality is confirmed within 72 hours of receipt at our warehouse.
- The maximum pallet weight is 3,000 lbs for liftgate service or 4,500 lbs for forklift service.

Simple Brass and Lead Packaging
We’ll work with you to supply and customize a complimentary packaging system that best fits your range and protects your brass and lead from theft and weather damage.
- Gaylord boxes fit through bay doors and hold 3,000 lbs of brass (full) or 3,000 lbs of lead (one-third full).
- 55-gallon drums hold 600 lbs of brass (full) or 1,500 lbs of lead (three-fourths full).

Best in Class Payment Structure
We eliminate the middle man and lock in your metal price when you contact us to maximize your profit.
- Lead and brass pricing is listed live at LME.com using the London Metals Exchange (LME) spot pricing, the global center for industrial metals trading. We currently pay 54% of LME for brass (copper index) and 45% for lead. Conversion rates are set at the beginning of each calendar year.

FILTER DISPOSAL
One of the challenges that shooting ranges face is how to properly take care of contaminated filters. Range owners are responsible for all the waste the range generates including verifying that it is properly disposed of or recycled. This liability never goes away. Hazardous waste collection and disposal are strictly governed through EPA and DOT regulations. Noncompliance could result in significant penalties and even criminal charges. Action Target makes it easy to dispose of your contaminated PPE and HVAC and DCU filters for members of the Metals & Range Supplies Program. Contact us at 801.876.2442 to get a quote.

Approved, Reliable Disposal
Action Target uses approved disposal procedures to help ranges avoid government fines and have confidence that their filters are being handled appropriately.
- RCRA (Resource Conservation and Conservation Act) approved.
- OSHA and EPA compliant.
- Filter pickup from your range will take place within two weeks of the pickup request.
- We provide proper disposal documentation, protecting you from potential fines.

Low Cost Disposal
Action Target has negotiated rates to keep the cost of filter disposal lower that doing it yourself.
- Use your recycling credits to cover the cost of disposal.
- Save more by having us pick up at least 6 cubic yards of material.

Quality Replacement Filters
We stock a variety of HVAC filters at Shop.ActionTarget.com.
- All of our filters have been carefully selected to fit the unique needs of shooting ranges.
- We offer various filter options for small or large HVAC systems.

DCU Lead Dust Recycling
We will also pick up your DCU Lead dust.
- Use your recycling credits to cover the cost of disposal.
- Contact us at 801.876.2442 for details.
OP.ACTIONTARGET.COM
The Action Target Store is the source for everything your range needs to operate. Use your credit to purchase ammunition and other supplies you need for your range. Call 1.800.779.0182 or visit Shop.ActionTarget.com.

Paper and Cardboard Targets
With more than 1,000 target designs, we offer a greater selection than anyone in the industry.

Target Backers
We stock a variety of backers to fit any target system.

Eye and Ear Protection
Keep your customers safe with quality ear and eye protection designed for target shooting and tactical situations.

Range Cleaning
Keep your range safe and clean for users with products designed to remove lead from hands, shoes, floors, and more.

Firearm Cleaning and Storage
Keep your rental guns secure and working smoothly with our selection of firearm storage, cleaning, and lubrication gear.

Range Equipment, Service Parts, and Cleaning
The credit from your metals can applied towards improving and maintaining your shooting range.

ACTION TARGET AMMUNITION
Use the value of your lead and brass to get competitive industry pricing on quality Action Target ammunition for your range. Call 1.800.779.0182 or visit Shop.ActionTarget.com to order.

Guaranteed Quality
- All of our ammunition is loaded to SAAMI specifications. It is also 100% warranted to be free of defects in workmanship and materials.
- Our ammunition is manufactured only from premium components from the best suppliers.
- Our experienced machine operators perform a variety of quality checks during the loading process, guaranteeing consistent performance round after round.
- Our inspection and packaging team visually checks every round, new or remanufactured, prior to packaging so that our customers receive premium quality with every order.

Guaranteed in Stock
- We keep ammunition in stock for large and small orders.
- We guarantee you will always have the ammunition you need, when you need it.

Free Shipping
- We provide free shipping for orders of 50,000 rounds or more with any combination of ammunition.

Available Ammunition
- We carry the most popular calibers of ammunition including .380, 9mm, 10mm, .40 S&W, .45 ACP, 38 Special, and .223 Rem.
- Other calibers are available upon request.

Get the most from your ammunition with Action Target. For more information or to schedule a pickup, contact us at 801.876.2442 or recycle@actiontarget.com.
EVERYTHING FOR YOUR RANGE
FAST
Products are kept in stock and ship quickly to keep up your inventory.

RELIABLE
We are dedicated to getting it right, whether it’s the products we sell, the orders we ship, or the way we answer the phone.

QUALITY
We maintain an advisory board of training professionals and industry leaders to ensure we are bringing the best products to market.

BEST SELECTION
We have everything you need to make your range or firearms training program a success.

CUSTOMIZABLE
We can create your own custom target to meet your needs or promote your brand.

KNOWLEDGEABLE
Our staff has the experience to answer any questions you may have.
PAPER TARGETS
With more than 1,000 target designs, we offer a greater selection than anyone else in the industry.

- **Qualification Targets**: We are the industry leader in qualification and training targets with hundreds of targets used by dozens of law enforcement agencies.
- **Situational Targets**: We carry a number of full-color situational targets to prepare agencies for real-life encounters.
- **Training Agencies**: Our huge selection of bull's-eye and sighting targets are ideal for sighting, training, or just plain fun.
- **State Specific Targets**: We stock state-specific training targets to meet the requirements of each US state.

CARDBOARD TARGETS
Host a competition with our selection of official cardboard competition targets. We carry many options including IDPA, IPSC, USPSA, and more.

PLASTIC TARGETS
We offer a huge selection of plastic and polymer targets, including military bobbers, 3D anatomy targets, corrugated qualification targets, and weather resistant targets for outdoor use.

CUSTOM TARGETS
Often agencies need targets designed for their specific training practices. Our in-house designers have created a number of these targets over the years and will work with you to create the ideal target.
STEEL TARGETS
We are the home of the best steel targets.

Better Training: The distinctive “clang” of the steel and the movement of reactive plates provide immediate feedback for accurate shots and reinforce good shooting habits.

Smarter Design: Our proprietary welding technique allows for maximum target durability. The unique design functions without the need for exposed brackets, bolts, or clamps.

Safer Shooting: From the angle of the target to the hardness of the steel, Action Target’s steel targets allow for a safer shooting experience.

- Static Steel Targets
- Reactive Targets
- Competition Targets
- Target Stands

RANGE BAGS & HOLSTERS
Keep your gear safely stored and easy to access with our unique line of range bags and concealed carry holsters.

- Concealed Carry Holsters
- Handgun Bags and Backpacks
- Rifle Cases

EYE & EAR PROTECTION
Keep your most important assets safe with quality ear and eye protection specifically designed for target shooting and tactical situations.

- Safety and Shooting Glasses
- Glasses Cases
- Foam and Plastic Inner Ear Protection
- Standard and Electronic Ear Muffs

FIREARM CLEARING TRAPS
Dry firing a gun is often necessary to ensure all rounds have been removed. Our double-walled clearing traps make this a safe and simple process.

- Table Top and Floor Models
- Handgun and Rifle Options

WEAPON CLEANING & STORAGE
Keep your firearms secure and running smoothly with our huge selection of weapons storage, cleaning, and lubrication gear.

- Firearm Cleaning Kits
- Solvents and Lubricants
- Weapons Lockers and Boxes
- Gun Locks and Cases
METALS RECYCLING PROGRAM
Instead of throwing your brass away, turn it into something useful. Our brass trade-in program gives you credit towards equipment purchases.
We also offer a parts stripping and destruction program to provide value for agencies unable to trade duty, confiscated, and surrendered firearms.
Use this credit towards any of your range projects or range equipment with Action Target or any of the Action Target family of companies. Contact your regional representative for more information. See page 138.

RANGE CLEANING & SAFETY
Keep your range from becoming a biohazard with these products designed to remove lead from hands, shoes, floors, or anything else.
- HEPA Vacuums and Accessories
- Protective Coveralls and Respirators
- Lead Cleaning Wipes and Mats
- HVAC Filters

TRAINING SUPPLIES
No matter what you are training for, we have the tools and supplies you need to reach the next level.
- Shooting Timers
- Inert Training Weapons
- Rifle Rests and Lifts
- Training Videos and Manuals

TARGET BACKERS & PASTERS
We stock all the backers and pasters you need for your range.
- Target Backers
- Target Pasters
- Target Spot Stickers
- Target Center Repair Stickers

MEDICAL & FIRST AID KITS
Accidents happen. Make sure you’re prepared with the right medical equipment and first-aid supplies when they do.
- Downed Operator Kits
- Shooter Response Kits
- Gauze and Bandages

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See our full selection of range products at Shop.ActionTarget.com
Action Target products are manufactured in the United States by Action Target Inc. in Provo, Utah. Action Target is committed to building the best shooting ranges and creating the ultimate shooting experience for gun owners around the world. Every possible effort has been made to ensure that all product photographs, descriptions, and specifications in this catalog are accurate. However, inadvertent errors may occur, and changes in design or materials, due to our continual effort to improve products, may result in changes to specifications before subsequent publications are created. Action Target Inc. reserves the right to modify or change specifications without notice. Some Action Target products shown may appear with customizations not generally available. If you have any questions regarding these or any Action Target products, please visit www.ActionTarget.com or contact us directly.

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