

BULLET TRAPS

TOTAL CONTAINMENT TRAP - TCT™

U.S. PATENTS 5400692, 5535662, 5811718, 7194944, 7234890, 7275748, 7306230, PLUS OTHERS PENDING

Action Target's Total Containment Trap™ - or TCT™ - is the dominant industry standard for modern, heavy-duty, steel bullet traps. The TCT incorporates the strengths and eliminates the weaknesses of other traps, and is the superior choice for ranges where safety, reliability, simple maintenance, and ease of use are top priorities.

The TCT can be used indoors or outdoors with the same excellent results, and is ideal for all types of law enforcement, military, and commercial shooting ranges. It is the most advanced, most effective, and safest bullet collection and disposal system available.

CONSTRUCTION

The TCT is an independent, freestanding trap that requires no additional support from your building or other structures so it can be easily installed on virtually any range. Its modular design allows all components to be carried through normal man-sized doors for easy installation and service, even on older facilities.

Every component exposed to potential impact is made of the finest through-hardened steel with a Brinell hardness rating of at least 500, and the entire trap is sandblasted and prepared to comply with strict "SP6" painting specifications for superior durability in harsh climates.

Depending on your needs, the TCT can also be fitted with a corrugated metal roof to keep leaves and other debris out of the trap area, and to help control drainage caused by rain and melting snow.

AMMUNITION

The TCT can be used safely with handguns, shotguns (including slugs), rifles like .223 and .308, and even 50 caliber rounds.

Tracers and other incendiary rounds can also be used regularly with no problem, as can all types of fragile and lead-free ammunition.

Because a shooting range is no place for lightweight equipment, the TCT is specifically engineered to withstand the punishment of concentrated, high volume, everyday shooting.

FUNNEL PLATES

Unlike old-style traps that use sharply angled steel plates to shatter bullets on impact, the TCT protects shooters by using gently sloping ramps to guide bullets into a sealed deceleration chamber where they are safely contained.

You can now shoot from very close distances with complete confidence because the shallow angle of the funnel ramps greatly reduces bullet break up on initial impact so splatter and ricochet are virtually eliminated.

Depending on your needs, the funnel ramps can be configured as modular ship-lapped panels, or, as long single sheets. You can also choose between traditional beveled joint strips to connect the plates, or a seamless assembly that hides the joint strips from view.

Regardless of how wide the trap is or how many lanes it must span, the mouth and throat of the TCT remain completely open and free from hazardous vertical supports, deflectors, or other leading edges. This means there is nothing in the way for you to hit, except your target of course.

It is very important to emphasize that this safe capture is achieved without water, oil, rubber, or any other foreign material whatsoever. This is significant because the mess and maintenance costs associated with these materials can be overwhelming.



DECELERATION CHAMBER

Although the gently sloping funnel ramps are a critical aspect of the Total Containment Trap's superior performance, the revolutionary deceleration chamber behind the funnel is just as important.

After bullets slide along the ramps and pass through the open throat, they enter the deceleration chamber where they safely spin along a round steel path until their energy is dissipated and they fall harmlessly to the bottom of the trap.

Because you shouldn't be limited to just shooting straight ahead, the Total Containment Trap has a patented **open throat design with absolutely no deflectors, side walls, or other vertical edges** found in the throat of other similar chamber designs. The inner walls of each chamber are also free from any obstacles, which means **you can stand in lane 1 and safely shoot into lane 10 with no vertical obstructions whatsoever**. This revolutionary open throat design gives you tremendous flexibility when it comes to tactical training and other cross-lane shooting.

In addition to the open throat, the chambers are also manufactured and assembled to form a continuous sealed environment with no gaps and no need for disposable impact plates.



AIR CONVEYOR SYSTEM

U.S. Patents 6311980, 7140615, and 7264246 with other patents pending

Available only from Action Target, our patented Air Conveyor System - or ACS - is the cleanest and most unique bullet collection method anywhere. As bullets enter the trap and fall to the bottom of the deceleration chamber, they drop into collection hoppers. When the computer-controlled valve gate on the hopper opens, the bullet fragments, lead dust, shotgun wads, and other accumulated debris are sucked away by a powerful vacuum and safely deposited in a large storage barrel for convenient hands-free operation.

The only exposure range officers will ever have to the lead is when the barrel must be changed, which is accomplished by removing the air-tight seal, replacing the barrel's original lid and hauling it away, and re-attaching the seal to a new empty barrel.



SCREW CONVEYOR SYSTEM

U.S. Patent Pending

Our heavy-duty Screw Conveyor System - or SCS - is an outstanding choice for extreme, high volume shooting. As bullets and other debris fall from the deceleration chamber, it all lands in a semi-circular trough mounted along the bottom of the entire trap. Everything is then pulled along by a powerful rotating auger until it is safely deposited in a separate storage barrel for safe and convenient storage.



CANISTERS

With our simplest option, large pieces of lead, bullet jackets, wads, and other debris fall into convenient canisters mounted on the bottom of the trap. When they are about two-thirds full simply remove the canisters, replace the lids, and take them to your recycler. You never have to touch the lead at all! While this is the most economical approach initially, you must consider how the volume of shooting on your range will impact the frequency of replacing the canisters.

DUST COLLECTION UNIT

U.S. Patents 5400692, 5535662 & 5811718 with other patents pending

Regardless of which bullet collection system you choose, the problem of lead dust is solved by our revolutionary Dust Collection Unit. Available only from Action Target, the patented DCU is a powerful vacuum system that continuously removes lead dust and other fine airborne particles from inside the deceleration chambers of the TCT. Because the DCU creates a negative pressure environment inside the chambers, lead dust, smoke, and other fine particles never have a chance to escape or settle on the rest of your range.

Our negative pressure vacuum system is superior to positive pressure approaches for 2 significant reasons. First, a curtain of air at the throat of the trap works both ways. High speed video footage shows that dust created by a bullet sliding along the funnel plates follows the rest of the bullet into the deceleration chamber. If a positive pressure air curtain is in the way, the dust can be blocked from passing through the throat and entering the chamber, and can be pushed back on to the range. Second, positive pressure can actually force dust created inside the chamber back out the throat of the trap. Try blowing a cotton ball into a glass or a bottle for a compelling example of this phenomenon.

The patented negative pressure technology is unique to Action Target, and is effective on both indoor and outdoor ranges. To comply with OSHA regulations and to protect the surrounding environment, the DCU uses its own internal HEPA filters to clean the air from the trap before it is exhausted.



CONCLUSION

Action Target's Total Containment Trap is the complete answer to your bullet collection and storage needs. It protects shooters by eliminating dangerous splatter, ricochet, and lead dust build up. It protects the environment by collecting lead fragments into sealable containers, by vacuuming and filtering lead dust, and by not incorporating potentially hazardous materials like rubber, oil, or contaminated water. Finally, it protects your budget by eliminating high maintenance and cleaning costs so you can focus your efforts on training.

