

# MOVING TARGETS

U.S. PATENT #5242172

## TRACK RUNNER™

For more permanent range installations, our innovative Track Runner is the best way to implement a moving target system.



Unlike our portable moving target systems where the target is suspended from a steel cable, targets used with the Track Runner are mounted to a trolley that runs on a special track that runs on the ground or inverted from an overhead structure. This approach is ideal for tactical applications because the target can move to different locations, change speed and direction and dart in and out of cover.



**THE TRACK:** We developed a round rail track system made of tubular steel that eliminates binding issues found in I-beam and steel strip tracks so you can continue training no matter how windy it gets.

The new Track Runner™ can be mounted in several configurations depending on your needs. For systems used on the ground, the track simply rests on a series of sturdy feet attached at each track connection point. Because no anchors or permanent mounting is required, the system can easily be moved as necessary.

If your needs are different, the new Track Runner™ can also be mounted to the side of a wall. This option is often required on indoor ranges or other ranges where space at the target line is very limited. You can even mount the new Track Runner™ above the target line and hang the targets from above.

**THE TROLLEY:** The new trolley uses a wrap-around design and multiple urethane wheels to provide extremely smooth and quiet motion. Because these ball-bearing wheels evenly distribute pressure and reduce friction, wind has no effect on the system's performance.

Perhaps the greatest benefit of the new Track Runner™ trolley design is the ability to incorporate different types of targets. . In addition to shooting at traditional cardboard targets, a single multi-purpose bracket provides a uniform interface with Action Target's full line of portable steel targets for instant audible feedback every time the moving target "clangs" from an accurate shot. The law enforcement firearms training community has long recognized the benefits of this instant feedback provided by shooting on steel targets. The power of the new Track Runner™ takes firearms training to a new level by providing a means to use this same instant feedback in your moving



**INSTALLATION:** Because the drive components (track, motor & trolley) are not ballistically protected, the entire system is usually installed behind a knee wall. All of the drive components simply clamp on to the track, so the system can be taken down quickly and put away to prevent vandalism or theft on unsecured ranges. Even so, all drive components are protected from the weather so they can be left out in harsh conditions with no problem.

Performance Characteristics	The Track Runner is a track-mounted moving target system. It uses a 120 volt motor, a pulley system, and heavy duty rope to pull a trolley from side to side along a tubular steel track. There are five basic components of the Track Runner: trolley, track, motor drive unit, idler pulley unit, and the controller. The Track Runner can be enhanced with additional options including a steel target, a limit switch controller, and an automated computer control system. The track is ordered in lengths of 10'. It is recommended that the track not be greater than 200' due to rope tension limitations. The drive and idler units require 20" additional length each. Add 1/4" for another track joint for the end. A sixty foot track with drive and idler units included would be 62' 11.75" in length ((119 1/4" X 6) + (20" X 2) + 1/4"). Other dimensional requirements for the vertical track runner are found in figure to aid in the design of a knee wall or barrier. Each 10' length of track requires two mounting legs. The steel trolley is of wrap-around construction, and uses nine urethane ball-bearing wheels to ride along the tubular steel track. The trolley accepts 1x2 vertical wooden inserts that cardboard targets are attached to. An optional adaptor is available to allow mounting of a steel target to the trolley instead. The handheld controller features a toggle directional switch, variable speed adjustment dial, and built-in surge protection. If the dual runner option is used, each mover must have its own 15 amp (min.) 110v circuit.
Optional Accessories	• Steel target attachment • Automated computer control
Compressed Air Req.	n/a
Electrical Req.	110 volt, 15 amp circuit for each motor
Mounting Req.	• Permanent (ground): Concrete pad • Permanent (overhead): Overhead structure • Portable: Flat surface
Motion	Lateral side to side
Control Options	• Handheld controller • Computer automation
Height	26"
Depth	20"
Length	Up to 200 feet