

Marathon® Smart Targets

the new standard in live-fire training



Marathon smart targets address a fundamental training gap: the first time shooters fire live ammunition at a realistic moving target is in a firefight.

Developed in conjunction with the Australian Department of Defence, smart targets are now used by shooters around the world.

With smart targets, soldiers train the way they fight: against unpredictable moving targets, with live ammunition.

realistic

Human-Like. The targets have human size, shape, and speed.

Reactive to Hits. When a target is shot, it provides instant visual feedback by stopping and dropping its mannequin. The target can also produce sound effects when hit.

Artificial Intelligence. Smart targets are autonomous robots that “think” for themselves and move and behave like real people. For example, when one target is “killed” the other targets react by scattering to the nearest cover. After a pause, the “survivors” will emerge and counter-attack.

flexible

All Training Levels. All levels of expertise can be accommodated: from new recruits to elite shooters. All can benefit from shooting at unpredictable, realistic moving targets.

Multiple Skills. In addition to basic moving marksmanship, the system enables training of other essential combat skills such as shoot/no-shoot decision making, rules of engagement, fire control – all contributing to Squad Level Overmatch.

Variety of Scenarios. Scenarios can be short or long, simple or complex, repeatable or unpredictable. The system can be used for intensive training on specific skills or long-term endurance exercises, with any number of targets.

simple

Easy to Install. Smart targets are designed to be installed on existing ranges, without construction or additional infrastructure.

Safe and Reliable. The targets can run day and night, rain or shine - while staying at all times within designated safety zones.

Reconfigurable. The system operates without expensive downrange infrastructure such as rails, concrete, or electricity which makes it easy to keep the range up to date with the changing requirements.



technology

Command & Control

A rugged mobile computer with a modern Graphical User Interface to create and run training scenarios.

The intuitive user interface provides complete control of motion patterns, variable speed, stop-and-go, hit response, etc.



Realistic Mannequin

The human-sized all-aspect 3D mannequin is made from durable plastic which will withstand hundreds of shots before easy replacement.

Visual Hit Indication

Clear visual feedback is provided by lowering the mannequin after a fatal hit. The mannequin resets to the raised position automatically or on command.



Smart Software

State-of-the-art robotic software controls target motion, individually and as a group. Artificial intelligence generates human-like behaviors enabling quick reaction to unexpected situations.

Solid Armor

Field-replaceable modular armor plates are tested with 5.56mm, 7.62mm, and .338 FMJ.

Puncture-Proof Wheels

Field-replaceable wheels with filled tires. Hub caps are armored for extra protection.

Hit Sensors

Built-in hit sensors detect shots from all directions and discriminate between head/spine shots vs. body shots.

Sound Effects

Powerful speakers to simulate speech, screams, gun shots and other sound effects. Sounds are activated by hits, scenario events or on command.

Powerful Drivetrain

The target moves at human running speed over a wide range of terrains. End-to-end efficiency leads to outstanding endurance.



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