



Stationary Infantry Target System



Meggitt Training Systems Stationary Infantry Target system, or SIT, exposes and conceals an E, F or 3-D target. The unit is available in either hardwire or battery powered versions which allows the user great flexibility in range design and usage.

The SIT is lightweight and portable, so it can be easily transported or stacked for deployment or storage. Meggitt Training Systems SIT performs all of the standard target commands such as expose, conceal, hit-fall, hit-old, and hit-bob. The SIT is also available with a double or triple target arm to present multiple targets simultaneously. Each target holder has an embedded impact hit sensor that responds to a range of munitions. Target hit sensitivity is remotely set from the range controller to be consistent with the ammunition being fired.

The SIT is capable of operating as a master target or slave target with up to 100 individual SITs assigned to a group. The target group can be commanded to respond in-unison so a hit on one target can cause all targets in the group to fall or respond as otherwise commanded. Each target within a group also retains its own unique address and is capable of reacting to commands individually. No cabling is necessary to interconnect target mechanisms in the master/slave configuration.

Part of the future resides in bringing capability to the trainer as opposed to forcing units onto a specific range with predictable target patterns and scenarios. Meggitt Training Systems newest infantry



Stationary Infantry Target

target, the Pop-up Turning Stationary Infantry Target (TSIT) offers maximum flexibility in MOUT and specialty training scenarios.

TSIT has the unique ability to expose from multiple angles with a friend or foe target. Target movements are precise, dynamic and respond quickly to commands to expose, conceal, slice, and turn in any combination. In addition, the TSIT will rotate a regulation infantry target through 360 degrees at multiple angles. It can respond to shooter actions or a pre-programmed scenario, ensuring that the trainees do not anticipate target actions, and providing a realistic environment for MOUT and specialized training.

To enhance realism, Meggitt Training Systems infantry targets initiate simulators such as a muzzle flash, MILES® Laser Target Interface (LTID), and sound effects simulator. Available in either AC or DC powered versions, the SIT and RSIT can be operated through radio frequency, hardwire, or Ethernet controls to allow great flexibility in range design and usage.

Extremely reliable and rugged, Meggitt Training Systems small arms targets perform in the harshest climates and do not contain hydraulic fluids, contaminants, or hazardous toxins capable of being released into the environment. With more than 30,000 infantry target systems successfully fielded, Meggitt Training Systems small arms targets are proven to be reliable and flexible to support both skills qualifications training events and more complex unit collective training events. Whether on the MPMG range at Fort Carson or the 7th US Army's MRF range in Germany, Meggitt Training Systems infantry targets adapt to different range environments, infrastructures, and operational constraints.



Technical Specifications:

SIT Communications Systems	RF, Hard Wired, Windows Based Software
TSIT Communications Systems	Hard Wired
Hit Sensing	Up to 600 hits/ minute
SIT Actuations and Hit Modes	Expose, Conceal, Hit-Hold, Hit-Fall, Hit-Bob, Hit-Stop
TSIT Actuations and Hit Modes	Expose, Conceal, Rotation in 15 degree increments up to 360 degrees, Hit-Hold, Hit-Fall, Hit-Bob, Hit-Stop
Variable Hit Sensitivity	Remotely Adjustable With Fifteen Settings
Expose/Conceal Time	.5 Second
TSIT Turn time 90 degree	.33 Second
Maximum Target Weight	10 pounds
Target Size	Standard E, F, 3D or equivalent
SIT Power Supply	12VDC Battery, AC Power 115 VAC/230 VAC, 50/60 Hz
TSIT Power Supply	AC Power 115 VAC/230 VAC 50Hz power
SIT Weight of Unit (Ex. Battery)	50 Pounds (23 kg)
TSIT Weight of Unit (Ex. Battery)	66 Pounds (30kg)
SIT Dim. with target holder exposed	12"x 18"x20" (30x46x51cm)
SIT Dim. with target holder concealed	11"x18"x24" (28x46x61cm)
TSIT Dim. with target holder concealed	7"x20"x20" (18x51x51 cm)
TSIT Dim. with target holder exposed	12"x20"x16" (30x51x41 cm)
Operating Temperature Range	-20F +120F
Stackable	Yes
Equip. required for operation	RangeMaster™ Range Controller
Options	Sound effects simulator, MILES® shootback device, muzzle flash simulator, RangeMaster™ Handheld controller, solar power, double and triple target holder kit

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Moving Infantry Target System

Meggitt Training Systems Moving Infantry Target system (MIT) is a cable-driven rail system that travels between attack and retreat positions at varying speeds. The MIT travels at three distinct speeds that replicate an individual walking (4-6kph), jogging (8-10kph), and running (12-14kph) on flat terrain.

All of the standard target commands such as expose, conceal, hit fall, hit hold, hit bob, and selectable number of hits to kill are performed by the MIT. The target actuator is equipped with a highly accurate hit sensor that detects, responds to, and reports hits. All motor and target control commands pass through a bunker box mounted within the MIT emplacement.

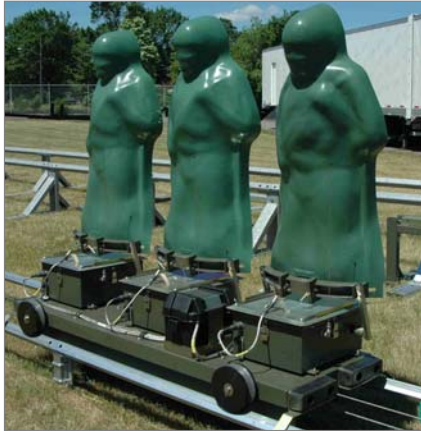
A stationary infantry target (SIT) lifter or a turning stationary infantry target (TSIT) is mounted to the MIT carrier. Along with raising and lowering the target, the TSIT's extended capabilities include 360 degree rotating functions in 15 degree or greater increments.

The elevated two-rail track system, available in 50-foot, 80-foot, and 100-foot lengths, is easily assembled with ordinary hand tools, making it ideal for deployment. The stanchion track supports can be placed directly on the ground or anchored to concrete pads for a more permanent installation.

A battery charger in the emplacement connects to insulated terminals on the docking station conductor bar. When the MIT is parked at the docking station, the target carrier makes contact with the docking shoes and initiates battery regeneration for the 12 VDC onboard battery that powers the MIT.



Moving Infantry Target



A strategic addition to the Meggitt Training Systems line of training systems is the three target MIT. Three independently controlled target lifters provide a unique ability to expose and conceal targets in any combination, providing a realistic environment for MOUT and specialized training.

To enhance realism, simulators such as muzzle flash light, sound effects, and the MILES® Laser Target Interface (LTID) can be mounted to all models of the Meggitt Training Systems MIT.

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Technical Specifications

Hit Sensing	Single Shot and Burst Count Modes
Hit Detection Target Commands	Expose, Conceal, Hit-Hold, Hit-Fall, Hit-Bob, Hit-Stop
Variable Hit Sensitivity	Remotely Adjustable w/15 settings
Expose/Conceal Time	Minimal 1 second in windy conditions
Target Size	Army E, F, Figure 11, 12 and 3-D
Power Supply	12V DC Battery, AC Power 115 VAC/230VAC, 50/60 Hz
Weather Capabilities	Weather Proof to -30F +140F
Direction/Speed	Attack and Retreat Directions, Variable Speeds
Vehicle Dimensions	24" above rail with target arm concealed 25.5" above rail with target arm exposed
Carrier Width and Height	24" wide x 36" long (single target MIT)
Equip. required for operation	RangeMaster™ Range Controller
Options	Sound effects simulator, MILES® shootback device, muzzle flash simulator, RangeMaster™ handheld controller, solar power, double and triple target holder kit

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