



MULTI-FUNCTION STATIONARY INFANTRY TARGET SYSTEM (MF-SIT)

Meggitt Training Systems' Multi-Function Stationary Infantry Target System (MF-SIT) exposes and conceals a Figure 11, 12, US Army standard E, F or 3-D target. Quick-connect hardware allows the target head to be easily interchanged in various presentations, including pop-up target movement, swing out, slice, vertically rise and pop-up turning/judgmental target actions.

The MF-SIT has the unique ability to expose from multiple angles with a friend-or-foe target. Movements are precise, dynamic and respond quickly to commands of expose, conceal, slice and turn in any combination. In addition, the MF-SIT will rotate a regulation infantry target through 360 degrees at multiple angles. It can respond to hits; its automatic triggers are activated by soldier movements or a pre-programmed scenario. This ensures that trainees do not anticipate target actions, which provides a realistic environment for MOUT and specialized training.

The MF-SIT is also available with a double target arm to present multiple targets simultaneously. An embedded hit sensor in the MF-SIT target head responds to a range of munitions, with hit sensitivity remotely set from the range controller, consistent with the ammunition type being fired.

The MF-SIT can be operated via radio frequency, hardwire or Ethernet controls and can operate as a master target or slave target with up to 100 individual units assigned to a group. The target group can be commanded to respond in unison, so a hit on one target can cause all targets 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. To enhance realism, the MF-SIT will initiate simulators such as muzzle flash, sound effects and MILES® Laser Target Interface (LTID) and can power and control thermal targets/heat pads.

Reliable and rugged, Meggitt Training Systems small arms targets perform in the harshest climates. They contain no hydraulic fluids, contaminants or hazardous toxins. With more than 33,000 infantry targets fielded, Meggitt's systems adapt to different range environments, infrastructures and operational constraints in supporting skills qualifications training and more complex collective training events.



MF-SIT Lifting Unit Technical Specifications *without battery

Specification	Value
PCB type	Plug & Play
Control	Ethernet, HW MUX, 2400 Baud RF (VHF/UHF), 900MHz RF, 2.4GHz RF
Power	12VDC, 120VAC, 220-240VAC
Dimensions	18" (457mm) L x 18" (457mm) W x 8.88" (225mm) H (with stacking cage)
Weight	33.1lb (15kg) - (12V/RF configuration)
Lift speed	< 1.0 sec
Power switch	Standard orientation circuit breaker (North America) Inverted circuit breaker orientation (Europe/Asia)
Presentation modes	Single, Double and Triple Type 1 Pop-Up, Single Type 2 Pop-Up, Single Slice-Up, Single Swing-Out, Single Pop-Up Turning, Single Vertical Lift
Stackable	Yes
Thermal targets	Intensity control and status feedback with optional control module
MFS	Optional standard white, high output white and multi-color LED modules
Self-test	Standard Power On Self Test Optional extended test functions using advanced handheld controller
Watertight	Yes, submersible IP67
Wind	37mph (60kph) Operation
Temperature	-35°F (-37°C) to +120°F (+49°C) Operation, -51°F (-46°C) to +175°F (+80°C) Storage
Expose angle	Adjustable in 22.5° increments
Mounting	Quick-release spring pins or mounting screws

Pop-Up Turning Product Specifications

Specification	Value
Dimensions-exposed	18" (457mm) L x 29.25" (743mm) W x 12.5" (318mm) H (requires 6" of elevation for floor mounting)
Dimensions-concealed	21.5" (546mm) L x 18" (457mm) W x 9.5" (241mm) H (requires 6" of elevation for floor mounting)
Weight	48.5lb (22kg)
Turn speed	0.3 sec
Turn angle	Adjustable in 15° increments
Adjustable height	None
Target types	Accommodates 3D "Fat Ivan" and clothed Figure 11 UK target
Target thickness	0-0.6" (15mm)
Stackable	Yes, in exposed, edge position
LOMAH compatible	Yes

Slice-Up Product Specifications	
Specification	Value
Dimensions-exposed	19.38" (493mm) L x 20.25" (515mm) W x 12.75" (324mm) H
Dimensions-concealed	21.75" (553mm) L x 20.25" (515mm) W x 19.38" (493mm) H
Weight	37.5lb (17kg)
Adjustable height	Optional 0-4" (100mm)
Target types	Accommodates 3D "Fat Ivan" and clothed Figure 11 UK target
Target thickness	0-0.6" (15mm)
Stackable	Yes, in exposed or concealed position with units indexed 180° to each other
LOMAH compatible	Yes

Vertical Lift, 20" Product Specifications	
Specification	Value
Dimensions-exposed	21.75" (553mm) L x 18.25" (464mm) W x 33.25" (845mm) H
Dimensions-concealed	30.5" (775mm) L x 18.25" (464mm) W x 13.25" (336mm) H
Weight	45.2lb (20.5kg)
Adjustable height	None
Target types	Accommodates 3D "Fat Ivan" and clothed Figure 11 UK target
Target thickness	0-0.6" (15mm)
Stackable	No
LOMAH compatible	Yes

Pop-Up, Standard Technical Specifications	
Specification	Value
Dimensions-exposed	18" (457mm) L x 18" (457mm) W x 12.2" (310mm) H
Dimensions-concealed	20.75" (527mm) L x 18" (457mm) W x 11.25" (286mm) H
Weight	37.5lb (17kg)
Adjustable height	Optional 0-4" (100mm)
Target types	Accommodates 3D "Fat Ivan" and clothed Figure 11 UK target
Target thickness	0-0.6" (15mm)
Stackable	Yes, in concealed position
LOMAH compatible	Yes

(Unit can also be wall-mounted to act as a Swing-Out with a side mount flat target)

Pop-Up, Type 2 Technical Specifications	
Specification	Value
Dimensions-exposed	26.25" (667mm) L x 18" (457mm) W x 8.88" (225mm) H
Dimensions-concealed	18" (457mm) L x 18" (457mm) W x 17" (432mm) H
Weight	37.5lb (17kg)
Adjustable height	Optional 0-4" (100mm)
Target types	Accommodates 3D "Fat Ivan" and clothed Figure 11 UK target
Target thickness	0-0.6" (15mm) Stackable Yes, in exposed position
LOMAH compatible	Yes

Pop-Up, Double Target Technical Specifications

Specification	Value
Dimensions-exposed	18" (457mm) L x 37.25" (947mm) W x 12.2" (310mm) H
Dimensions-concealed	20.75" (527mm) L x 37.25" (947mm) W x 11.25" (286mm) H
Weight	42.5lb (19.3kg)
Adjustable height	Optional 0-4" (100mm)
Target types	Accommodates 3D "Fat Ivan" and clothed Figure 11 UK target
Target thickness	0-0.6" (15mm)
Stackable	Yes, in concealed position
LOMAH compatible	Yes

Swing-Out, Bottom Target Mount Technical Specifications

Specification	Value
Dimensions-exposed	42.25" (1074mm) L x 9.25" (235mm) W x 18.5" (470mm) H (wall mounted dimensions, at 15.5" target placement)
Dimensions-concealed	18" (457mm) L x 33.5" (851mm) W x 18.5" (470mm) H (wall mounted dimensions, at 15.5" target placement)
Weight	37.5lb (17kg)
Adjustable height	N/A, must be wall mounted
Target types	Accommodates 3D "Fat Ivan" and clothed Figure 11 UK target
Target thickness	0-0.6" (15mm)
Target placement	Adjustable from 12.5" (317mm) to 15.5" (394mm) (edge of stacking cage to center-line of target)
Stackable	Yes, in exposed position
LOMAH compatible	Yes