



Deployable MAT Overview

Moving Armor Target System Deployable MAT

Deployable target solutions are specifically designed to provide modular, dynamic and scaleable training during out-of-area missions.

Live fire training must be available in combat zones, too. While being apart from any infrastructure our deployable target solutions can be installed and dismantled in very few time and can be stored and deployed in standard containers. This provides live fire training facilities under all out-of area conditions and keeps your troops always well prepared.

To train infantry troops TTS has developed the Deployable Moving Armor Target (Deployable MAT).

With this multifunctional moving target system very little time and preparation is required to install whole training scenarios. At the same time existing scenarios can be swiftly modified to avoid familiarization effects.

The deployable system is based on a modular concept and consists in its standard configuration of the following main components:

- Drive unit (24 V)
- TTS rail system & target trolley
- Deployable Armor Target
- Range Controller

The battery powered **Drive Unit** is an energy efficient system to move a cable-pulled trolley with variable speeds and directions on a rail system of variable length. The drive unit can be supplied with rugged solar panels for continuous recharging.

Due to the unique **TTS rail system** the Moving Armor Target is not susceptible to wind, can operate at wind speeds up to 20 km/h and cannot capsize.

In its standard delivery the system is supplied with a radio controlled and battery powered **deployable armor**

Deployable MATs :



At a glance:

- Compact, portable & stackable system
- Radio controlled and battery powered
- Installation of a 100 m Track within 50 Minutes
- Little site preparation required
- Excellent weather resistance
- Various simulators available
- Trolley can be equipped with Infantry and Armor Targets

target mechanism. For more details refer to the information on “Deployable SAT”.

The **handheld** radio control unit allows communication and immediate performance feedback over a line-of-sight distance of up to 5 km. The terminal handles the operation of up to 1000 target appliances individually or in groups, and can be programmed to run diversified scenarios. The status of each appliance and hits are displayed on the screen. Without interference different terminals and various scenarios can be operated on the same radio frequency band.

Robust and weatherproof design allows operation in a temperature range from -25 °C / -13 °F up to 65°C / 149 °F. Carefree operation under extremely low temperatures (-40°C/ -40°F) can be guaranteed with our cold weather add-on.

Little preparation is necessary to place the MAT, provided that the mechanism is protected from direct hits and ricochets.

Designed avoiding sharp edges, it offers easy and safe handling to the service personnel. For transport and storage it can be safely stacked.

Muzzle flash simulators, target illuminations, pyrotechnical and non-pyrotechnical enemy fire simulators are available to further increase the training realism. For hit and miss Indication LOMAH is available.

Technical Data:

Target Presentation

Modes of Operation	• popping-up • moving targets
Time to expose*	5-8 s
Time to retreat*	5-8 s
Speed	up to 20 km/h
Speed control	Digital in steps of 5 km/h
Track length	Variable up to 240 m

* Values refer to the armor target mechanism and may vary depending on the weight and size of the actual target.

Target Mechanism

For details refer to the Technical Data Deployable SAT

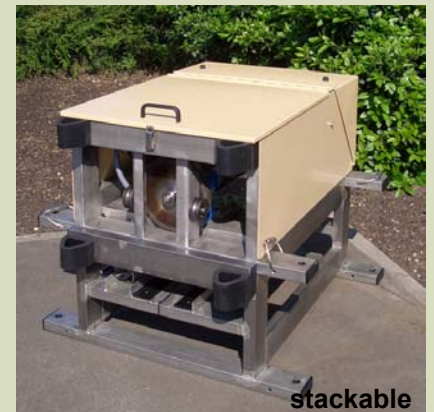
Drive Unit

Voltage	24 V, other voltages upon request
Operational Temp. (Max.)	65 °C / 149.0 °F
Operational Temp. (Min.)	-25 °C / -13.0 °F
Colors	Nato olive, beige
Length	1220 mm / 48.03 in
Width	1010 mm / 39.76 in
Height	520 mm / 20.47 in

Trolley (stainless steel)

Length	1240 mm / 48.82 in
Width	902 mm / 35.51 in

Features:



THEISSEN

Schuchardstr. 3, D-40595 Düsseldorf, Germany
 fon: +49-211-97504-14 * fax: +49-211-97504-33
 mail: info@theisstraining.de
 web: www.theisstraining.de



Note: Theissen Training Systems GmbH has a policy of continuing development and reserves the right to make design changes and improvements to the products. Specifications and Features subject to change without notice.