

MOVING TARGET TROLLEY

The Moving Target Trolley is a radio-controlled device which runs on railway lines. The target is designed to provide effective training for marksmen firing at moving targets. The unit is fitted with a pop-up target mechanism which can present the firer with a range of different targets.

The Trolley is also fitted with an Automatic Marking System (AMS). This system provides accurate fall of shot indication on a Firing Point Monitor which may be placed adjacent to the firer. For further information on the AMS, see separate leaflet.

A Central Range Computer (CRC) is used to control the Moving Target and the Automatic Marking System as well as to control the Firing Point Monitor. Through the CRC, the Moving Target Trolley can be controlled in a pre-programmed manner. The pop-up target can also be programmed to raise and lower at timed intervals and fall-when-hit. The system is available in two distinct formats: Independent trolley and Interlinked trolley.

The main features of the Independent Moving Trolley system are:

- Rapid track deployment on relatively unprepared ground. Typically 10 minutes for 30 metres of track/trolley/target set-up.
- Three preset running speeds with closed loop speed control up to 2 metres per second.
- Full manual operation as well as running prepared sequences.
- Up to 70 Kg load carrying capacity.
- Well over 10 Km of runs (30 metres each run) per battery charge.
- The control program can operate up to 8 trolleys and 60 pop-up targets in an integrated range scenario.
- Duplex radio communications with the control room allows status and shot position reporting from each individual target and trolley, back to the operator.
- The Moving Trolley carries 2 x 12 volt 60 Ah batteries.
- Various targets or mechanisms may be carried on the trolley. The standard pop-up target frame clips to the top of the carrier.

The main features of the Interlinked Moving Trolley system are:

- Three preset running speeds.
- Full manual operation as well as running prepared sequences.
- Mains powered system controlled from a single winch mechanism.
- Duplex radio communications with the control room allows status and shot position reporting from each individual target and trolley, back to the operator.
- Rapid disconnection of trolleys from the winch cable to allow easy stowage.
- Various targets or mechanisms may be carried on the trolley. The standard pop-up target frame clips to the top of the carrier.
- Safety features are incorporated into the trolley design, to protect both the machine and the user.

OPTIONS

Slave trolley to lower the overall height or to accommodate different target mechanisms.

Other software can be arranged to suit the customer's requirements.

SPECIFICATION

Trolley overall size	520mm x 520mm x 140mm
Weight without batteries	73 Kg
Operating temperature	-25 °C to + 65 °C
Speed	1, 1.5 or 2m/sec
Track height	140mm
Voltage	220 V AC 24 V DC

