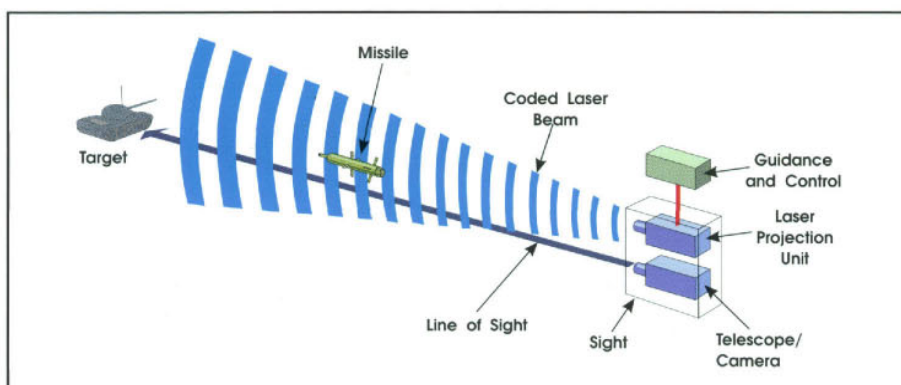


INGWE REMOTE TRIPOD

Remote Ingwe Anti-armour Missile System

Principle of Operation

The system uses laser beam-riding guidance. The Ingwe missile automatically determines its own position in the laser beam and manoeuvres onto the line of sight. The missile follows the line of sight until the target is hit. It incorporates a day (TV) and night (TIS) video camera that provides an observation capability to the crew while they are protected within the vehicle or concealed within a bunker or other cover. The incorporation of the advanced video auto-tracker transforms the 'Command-to-Line-of-Sight (CLOS)' missile into a 'fire-and-observe' missile without changing the missile configuration. Once locked onto a target, the system will automatically follow the target and steer the missile towards it after launch. The operator is still in command and can override the automatic steering at any time during missile flight.



System Deployment

The Ingwe remote tripod configuration provides the flexibility of either being mounted on a light vehicle, or in a dismounted configuration for infantry use. The man-machine interface has been designed such that the operator can easily engage static and moving targets. The control system, which can be operated up to 50 metres from the launcher, enables the operator to track the target from a remote position without being exposed to enemy fire. A portable and cost-effective, state-of-the-art training system, based on COTS computer equipment, is provided.

Technical Data

Ingwe Missile

• Missile mass	: 28,5 kg
• Missile diameter	: 127 mm
• Missile length	: 1 750 mm
• Penetration	: up to 1 000 mm in RHA (with ERA)
• Range	: 250 - 5 000 m

Guidance Unit

• Height	: 261 mm
• Length	: 555 mm
• Width	: 408 mm
• Mass	: 40 kg

Tripod

• Max operational height	: 1 250 mm
• Min operational height	: 500 mm
• Footprint (diameter)	: 1 800 mm
• Mass	: 16 kg

Carry-mode dimensions*

• Height	: 300 mm
• Length	: 1 000 mm
• Width	: 250 mm

Remote Control Unit

Carry-mode dimensions*

• Height	: 250 mm
• Length	: 400 mm
• Width	: 300 mm
• Mass	: 14 kg

* Carry-mode dimensions: the tripod and remote control unit are folded down

