

Surface Target Vector Scorer (STVS)

Features

- Scoring range 0 - 305m (0 - 1000 ft)
- Manual or automatic data capture
- Real-time or post mission 3-D Trajectory measurements
- Stand Alone or Multiple Unit Operation
- Supports at-sea operations in up to sea-state 3 conditions
- Remote monitoring and control option via PC-based remote operator station
- Software configurable
- Built-in-test
- Local or remote data storage



Description

The STVS Surface Target Vector Scorer is a non-cooperative Doppler radar scoring system that provides highly accurate 3D projectile tracking. The system is optimized for stationary or maneuvering surface target applications. System operation is automatic with round detection and scoring done on the target in real time. Monitoring and control of the system from several miles away is supported through a data link and remote operator station option. Projectile vector data captured by the radar is stored locally and can be transmitted over the optional data link for remote storage and additional post processing. Although designed for use with 5-inch rounds, STVS can be configured for operation with a variety of smaller caliber rounds and different firing rates.

Already proven in ocean based testing, the STVS system generates consistent, accurate vector data under realistic operational conditions, thereby permitting more realistic training scenarios to be conducted.

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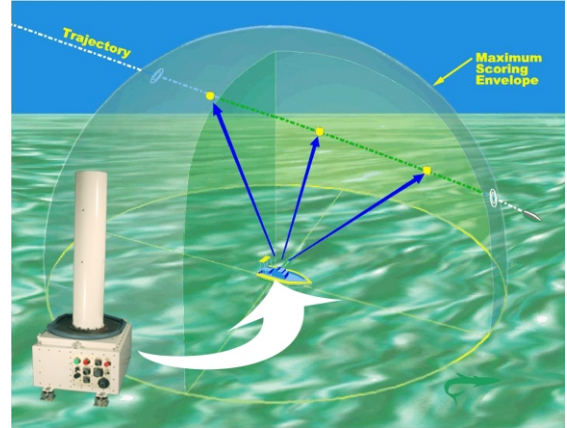
Specifications

- **Weapon Type:** System may be configured for a wide range of weapons via software configuration changes. (Contact MDSI for details)
- **Scoring range** (-26 dBsm (avg) projectile) 0 - 305m (0 - 1000 ft)
- **Impact point accuracy (rms) (5-inch rounds)**

0 to 100 ft	10 ft
100 to 1000 ft	10% of range
- **Fall angle accuracy (rms) (5-inch rounds)**

0 to 100 ft	2 degrees
100 to 500 ft	3 degrees
500 to 1000 ft	4 degrees
- **Scoring coverage** Hemispherical
- **Command/Control Interface** Ethernet (TCP/IP)
- **Data link** 900 MHz WLAN (Optional)
- **Built-in-Test (BIT)** Automatic on startup or via external command
- **Target formations (4 targets)** 1000 ft separation
- **Input Voltage** 22-32 VDC
- **Power Dissipation** 400 watts (max)
- **Mechanical**

Weight	
Radar Unit	70 lbs
Navigation Unit	2 lbs
Dimensions	
Radar Unit	20" x 16" x 41"
Navigation Unit	15" x 6" x 11.3"



The descriptions and specifications contained in this document are subject to change.

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