

MOBILE AND AIR SCORING SYSTEMS



Sydor Technologies provides complete Air Weapons and Mobile Artillery Scoring Systems based on camera and acoustic sensor configurations, communications, and software that interactively trains pilot and gunner crews. Our scoring systems utilize imaging and acoustic technologies to provide cost-effective target scoring for bombs, practice bombs, ordinance, artillery, and more. Data is acquired in real time and transmitted via a wireless network to a command center. Sydor provides integrated solutions that extend beyond our equipment including consultation services relating to layout designs, local range construction, technical support, and training. In addition to the hardware, our team of professionals can serve as your project managers for complex remote installations, coordinate local construction, and provide long-term support of your range.

Sydor Mobile Artillery Scoring System (MASS)

MASS is designed for determination and instant feedback of the impact point of bombs, rockets and/or artillery rounds.

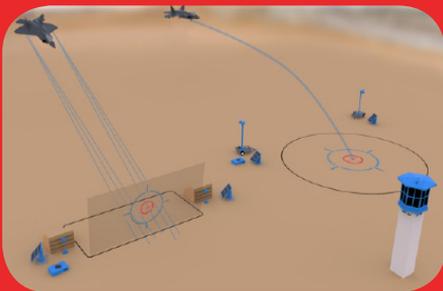
The remotely operated system is designed for portability and ease of use. System components are trailer or pickup truck mounted and contain all cameras, mast system, battery power, and storage required for operation. This design allows for easy relocation when necessary.

The system gathers video footage with high-def cameras which are then transmitted to a control center for analysis. Analysis takes place with specialized software that detects and triangulates impact GPS coordinates. The system can detect live rounds or practice rounds and all data is collected and stored for later review.

For rockets, individual rocket impact points and the centroid of volley splash can be computed, depending on the individual rocket launch delay interval.



Sydor Air Weapons Scoring Systems (AWSS)



AWSS is designed for determination and instant feedback of the impact point of bombs, rockets and strafing runs conducted by military aircraft.

The remotely operated system is designed for ease of setup and use. Equipment is trailer-mounted and easily portable to make relocation a simple task.

A complete system includes a strafing court, a bomb court, and a data processing system for collection, computation, and data storage.

The strafing court utilizes a sensor array which detects the shock waves that are generated by supersonic projectiles. These signals are then amplified and fed into the Target Processor which relays the information to a control tower, where the information is processed, displayed, and stored.

The bomb court is comprised of a set of cameras used for detection of live or practice rounds making impact over the target bomb area. Video footage is transmitted to a control tower where image processing software detects and triangulates the impact point. The system outputs the GPS coordinates and all video footage and data is stored for future analysis.

About Sydor Technologies

Sydor Technologies is a global leader providing complex measurement solutions that generate critical results for the world's most advanced applications in the defense, energy, ballistics, security, space, and research industries. Established in 2004, Sydor Technologies is headquartered in Rochester, NY and now supplies systems and support in over 33 countries. For more information, please visit www.SydorTechnologies.com.

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