



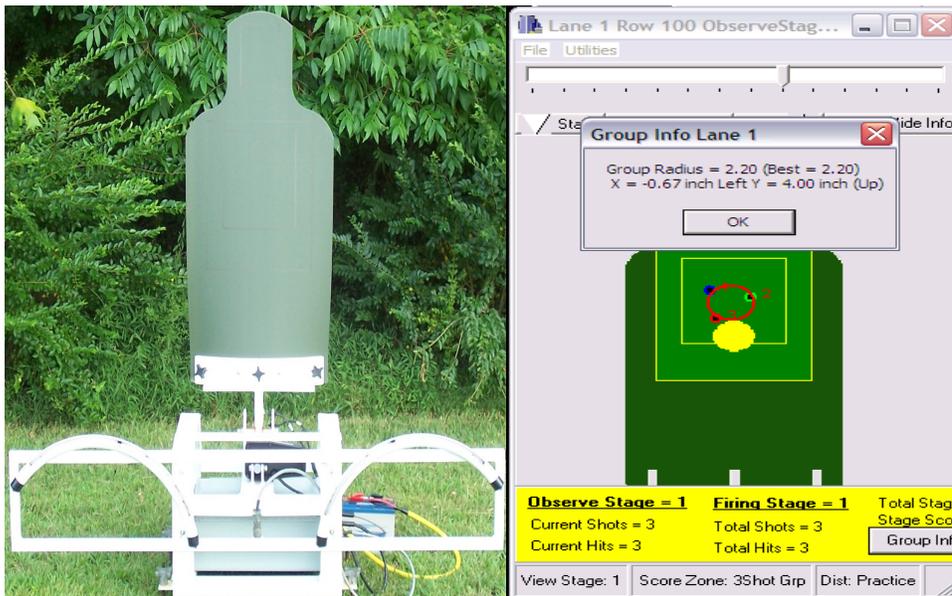
ATA DEFENSE INDUSTRIES, INC.
146 Factory St.
Camden, TN 38320
THE TARGET SYSTEM PEOPLE



2010-2011 PRODUCT CATALOG



WHY TRAIN LIKE THIS?



WHEN YOU CAN TRAIN LIKE THIS!



731-584-3623

WWW.ATADEFENSE.COM
1-800-282-4487

FAX: 731-584-7704



ATA DEFENSE INDUSTRIES, INC.

We are the Target Systems People



HUB ZONE CERTIFIED, WOMAN OWNED, SMALL BUSINESS



ATA is a world leader in providing quality target and training systems for the US military and its allies. ATA equipment is known for its durability and ability to perform in all kinds of environments, from the arctic to the desert, anywhere in the world. ATA's purpose is to continue to provide the highest quality training systems at competitive prices. Struggles with obtaining resources and meeting schedules will not deter us from achieving our enviable position of providing the best target training systems in the world. Our core business is the products we provide - modern military training ranges with Location Of Miss And Hit (**LOMAH**), Portable Infantry Target Systems (**PITS**), Sound Effects Simulators (**SES**), Hand Held Controllers (**HHC**), Infantry Moving Target Mechanisms (**IMTM**), Range Control Computer Systems (**RCCS**), Armored Moving Target Carriers (**AMTC**), and more - and is what we do best! Our commitment to quality is only surpassed by the quality of our staff. Our systems are used widely throughout the 50 states, mainly on military installations, as well as US installations in Kuwait, Qatar, and Korea. We have several installations in other countries such as Canada and England. Through team interaction, we will ensure that each change we make, each step we take, will be toward our goal of quality, performance, and value - for our products and our people!

ATA Defense Industries, Inc. is an engineering company. Modification of current products, or the design and manufacture of new products to meet user needs is possible.

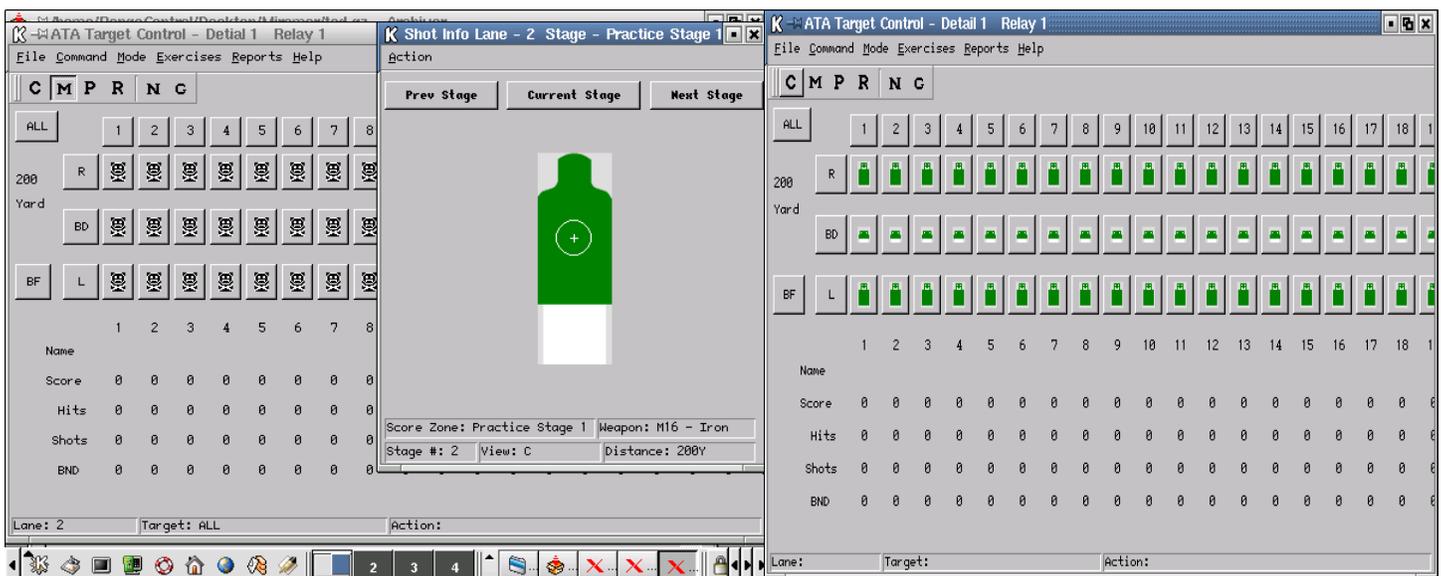
Please Inquire!



RANGE CONTROL COMPUTER SYSTEM (RCCS)



- ATA Range Control Program, modified to meet users exact requirements.
- Windows based desktop system with printer or Portable Panasonic Toughbook System.
- Operates up to 999 targets or devices. Individually, in groups or simultaneously.
- Allows control of targets/devices in the manual or program (scenario) modes.
- Simple steps to user created scenarios.
- Allows operator to edit any saved scenario, or edit during programming.
- Hard copy print-out of scenario results with unit and shooter identification information.
- Graphic range display with icons to show relative target and firing positions.
- Target hit count and status, mover position, and system malfunction reporting.
- Interoperable with ATA Visual Projectile Locating System (VPLS)
- Controls all ATA Armor and Infantry stationary and moving target systems.
- Controls all ATA ancillary simulators.





Hand Held Controller (HHC-2)



- Waterproof, self contained, bi-directional, programmable, portable UHF/VHF controller/transceiver used for both manual and programmed command and control of up to 1000 target devices and simulators.
- The HHC is programmed by the operator and is capable of controlling individual targets, groups or all simultaneously at a range of 3.1 miles (5 kilometers) line of sight.
- Stores up to 8 scenarios with each having up to 250 lines.
- Has a 3.2 VDC battery for memory retention and storage of programmed scenarios. The Non-volatile memory retains data and programming during battery replacement, and/or after the HHC power source is turned off or interrupted. Once saved, scenarios can be recalled, edited or deleted.
- Has a back lighted keypad and LCD display with brightness control for night operations without inhibiting the operator's vision. Allows the operator to turn on/off and adjust the brightness of the backlight.
- Is powered by a commercially available 12 VDC sealed rechargeable battery located in the backpack, capable of sustaining operations for a minimum of 12 hours.
- Allows the operator to change/set the target modes: Auto, Bob, Hold, Up after Hit, Up No Hit.
- Adjust/set target Hit/Kill ratio from 1-9.
- Adjust/set target hit sensitivity 0-8. The lower the number, the more sensitive the target.
- Displays program line number, target address number, target action line, and target delay time to aid the operator both during programming and actual operations.
- Command and receive target score information on demand.
- Has tuning port connector on the backpack assembly for connecting two HHC backpacks together for transferring program scenarios and scoring information.
- Two year warranty.



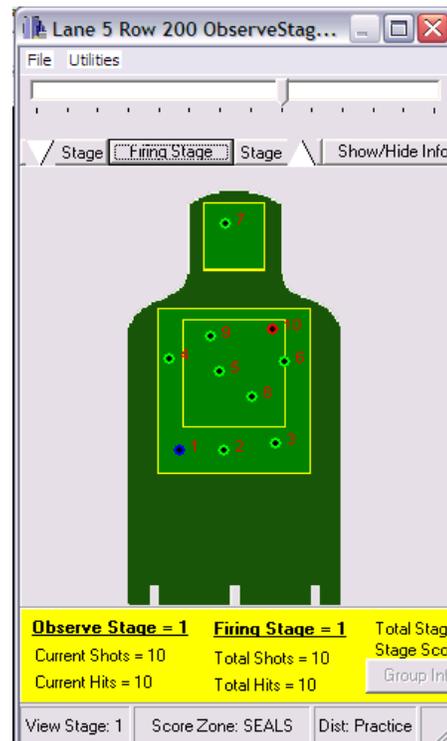
LOCATION OF MISS AND HIT (LOMAH)



- The LOMAH (Location of Miss and Hit) Target System is a portable or permanently installed, computer operated marksmanship training target system.
- The VPLS (Visual Projectile Location System) detects the ballistic shockwave from supersonic projectiles and plots the hit on the Range Control Computer System (RCCS), eliminating the need to visually inspect the target when zeroing .
- The LOMAH Target System is pre-programmed for executing variable aspects of live fire programs to include weapon zeroing with corrections, multiple score zones, multiple hits-to-kill (HTK) settings, as well as, developing user created scenarios to achieve multiple training objectives .
- Visual firing point display shows shot location, and zero corrections to shooters on the firing line.

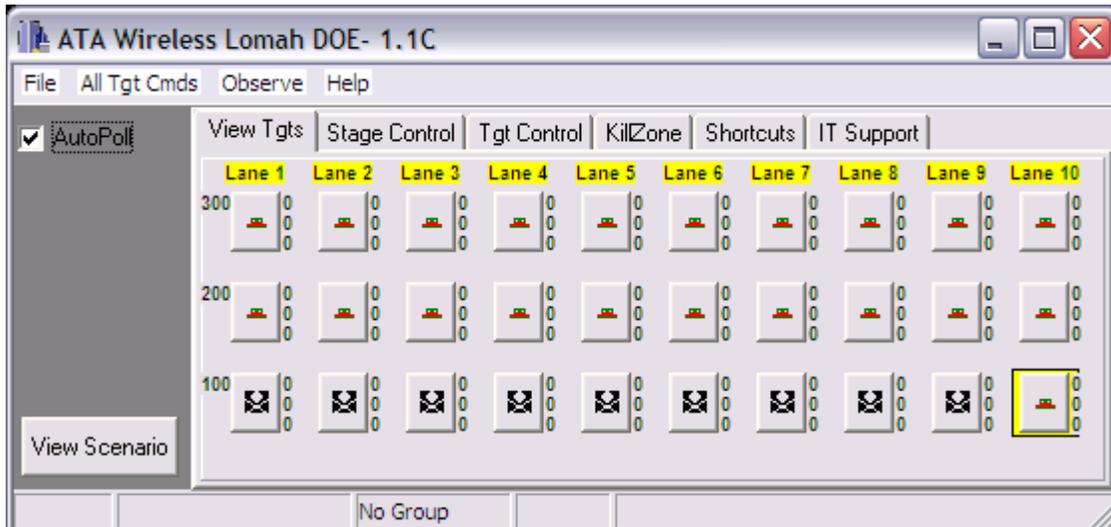


- The LOMAH Target System has two hit detection systems, an external hit sensor (vibration) for standard hit or miss detection and non-contact hit detection VPLS.
- The LOMAH system allows the operator to create, edit, and save shooting scenarios to automate the target system.
- ATA's Visual Projectile Locating System (VPLS) is modified to meet the user's exact requirements.
- Suitable for use with all small arms and machine guns.
- Back light for night viewing

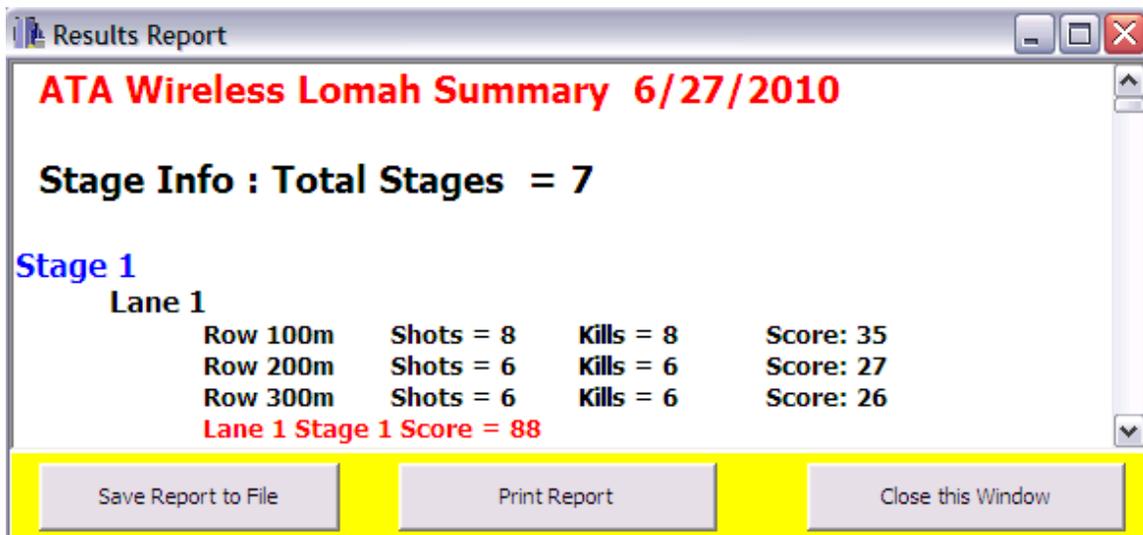




LOCATION OF MISS AND HIT (LOMAH)



- Muzzle Blast Sensor provides positive shot counting, eliminates echo errors, and false scores from cross lane shooting.
- Accurate sight corrections during weapon zeroing.
- Coaches can view current and previous groups at the firing position.
- Provides accurate automatic scoring.
- Zoom In/Out feature.





FIXED INFANTRY TARGET SYSTEM (FITS)

- Light weight, stand-alone, wire controlled, 110/220 AC powered infantry target lifter used on static firing ranges.
- FITS can raise and lower single, double, triple, or 3D silhouette targets in less than 1 second.
- Controlled by ATA's Range Control Computer System (RCCS).
- Optional target arms include: Swing-out (doorways, corners), Sideways dropping (windows, rooftop), Dual and Triple e-type/f-type (crew serve weapons), Center rotating (friend/foe),
- 5 modes of operation: AUTO, Up after Hit (UAH), Up no Hit (UNH), Cycle, and Hold.
- Has 9 sensitivity settings. 9 Hits to Kill (HTK) settings.
- Optional Night Effects Simulator (NES) with 3 separate target illuminations for enhanced night fire training.



- Has 9 sensitivity settings to discriminate the round type.
- 9 Hits to Kill (HTK) settings.
- An optional Night Effects Simulator (NES) is available for moon glow effect around the silhouette, return fire simulation, and hit indication.
- Versatile design allows PITS to convert from a MILES training device to a live-fire target system by simply changing targets.
- Two year warranty.



PORTABLE INFANTRY TARGET SYSTEM (PITS)



- Is a portable UHF/VHF radio controlled portable Infantry Target Mechanism with sufficient power to lift/lower a single, dual, triple or 3 dimensional silhouette in less than 1 second in a 30 mph (48km/h) wind.
- Is powered by a 33 amp, Gel-Cell rechargeable 12VDC battery, or by using the 12volt converter can be used with standard 110VAC.
- The two reinforced carry handles allow for ease of lifting and allow PITS to be stacked. (6 high for storage, 3 high for transport)
- Has three external target mechanism address rotary selector knobs for changing the target address to any number between 0 through 999.

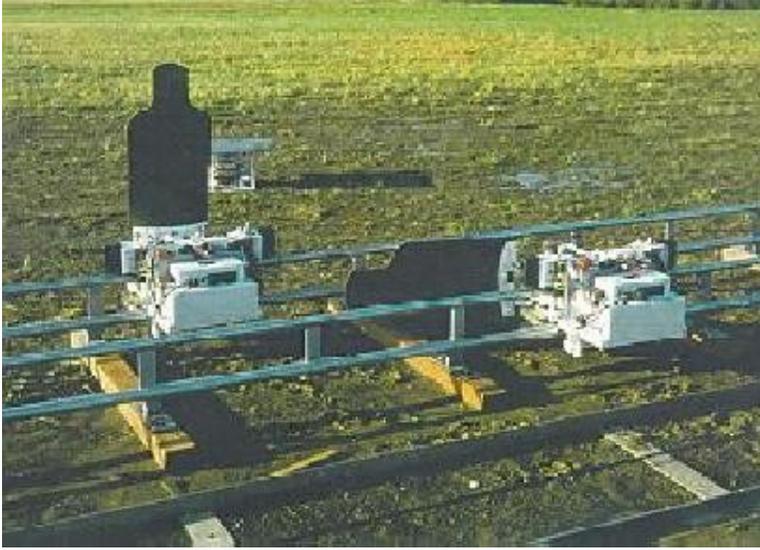
- Optional target arms include: Swing-out (doorways, corners), Sideways dropping (windows, rooftop), Dual and Triple e-type/f-type (crew serve weapons), Center rotating (friend/foe),
- 5 modes of operation: AUTO, Up after Hit (UAH), Up no Hit (UNH), Cycle, and Hold.
- Controlled by ATA's Hand Held Controller (HHC) or Range Control Computer System (RCCS) on portable and fixed ranges.
- Has 9 sensitivity settings. 9 Hits to Kill (HTK) settings.
- Optional Night Effects Simulator (NES) with 3 separate target illuminations for enhanced night fire training
- Optional Sound Effects Simulator (SES) with 14 pre-programmed weapon sounds, imbedded operator programmed MP-3 player for added realism in training environments.



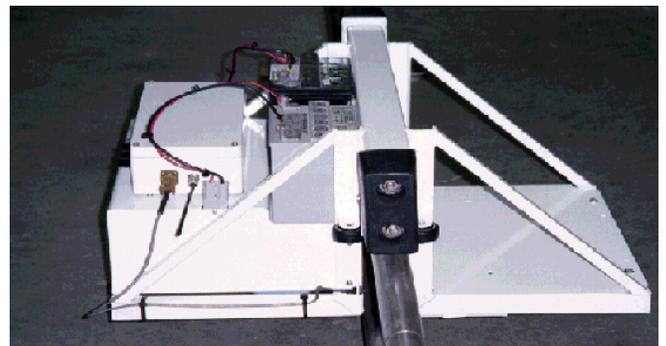
- Versatile design allows PITS to convert from a MILES training device to a live-fire target system by simply changing target type.
- Optional Motion Detection Device allows PITS to operate in an independent mode for "surprise" engagements.
- Can be configured with ATA's MILES Shoot-back Device (MSD) for added realism.
- Two year warranty.



INFANTRY MOVING TARGET SYSTEM (IMTS)



- Low profile, two man portable, self-propelled monorail mounted moving infantry target.
- Controlled by ATA's Hand Held Controller (HHC) or Range Control Computer System (RCCS).
- Three speed settings: Slow (4 mph), Medium (8 mph), and Fast (10). Auto Traverse feature.
- May be installed either to provide flank targets, or advancing/retiring to simulate enemy advancing or retreating.
- 5 target modes of operation. AUTO, Up After Hit (UAH), Up No Hit (UNH), Cycle, and Hold.
- Stop "flags" attached to the monorail cause target to automatically brake and stop at the end of the monorail.
- End stop buffer assembly installed at each end of the monorail will safely stop mover before end of track is reached.
- Power is supplied by two 12VDC 33 Amp rechargeable batteries, or through any 110/220 VAC outlet.
- Two year warranty.





STATIONARY ARMOR TARGET LIFTER (SATL-L-X) (SATL-M-X) (SATL-H-X)



- UHF/VHF radio controlled target lifting mechanism capable of lifting/lowering BMP/Tank Targets.
- SATL-L has one electric motor capable of lifting a 75 pound silhouette in 6-9 seconds in a 30mph wind.
- SATL-M has two electric motor capable of lifting a 100 pound silhouette in 6-9 seconds in a 30mph wind.
- SATL-H has three electric motor capable of lifting a 150 pound silhouette in 6-9 seconds in a 30mph wind.
- Powered by one 12VDC 90 amp rechargeable battery or through any standard 110VAC-220VAC outlet with the converter.
- Has three external target mechanism address rotary selector knobs for changing the target address to any number between 0 through 999.
- 5 modes of operation: AUTO, Up after Hit (UAH), Up no Hit (UNH), Cycle, and Hold.
- Controlled by ATA's Hand Held Controller (HHC) or Range Control Computer System (RCCS) on portable and fixed ranges.
- Has 9 sensitivity settings. 9 Hits to Kill (HTK) settings.
- Optional Night Effects Simulator (NES) with 3 separate target illuminations for enhanced night
- MILES compatible
- Connector port powers thermal blankets.
- Two year warranty.

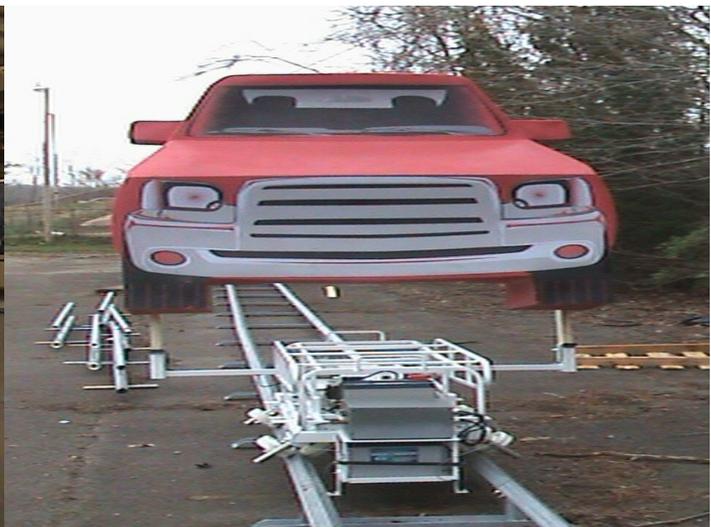




ARMOR MOVING TARGET CARRIER (AMTC-3-X)

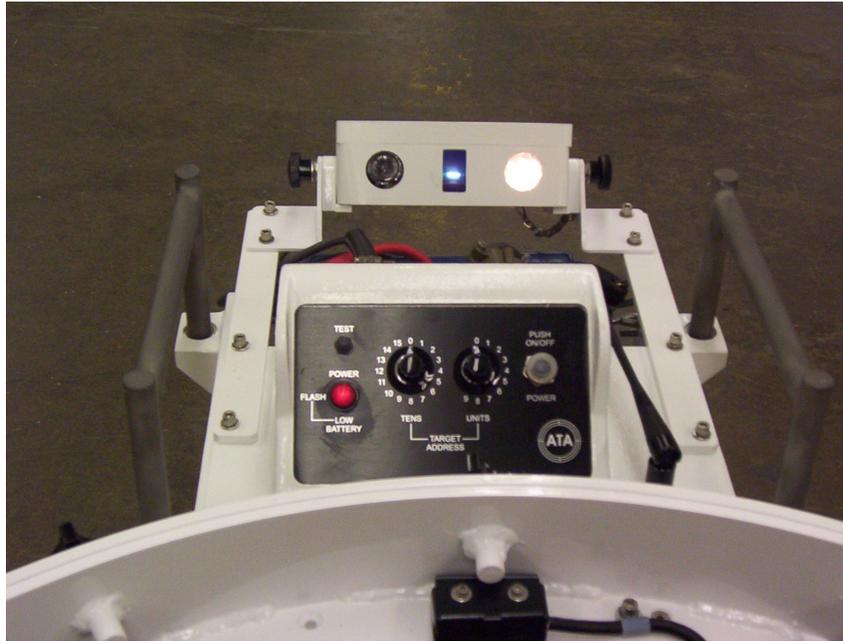


- UHF/VHF radio controlled moving target lifting mechanism capable of simulating a moving target at speeds up to 20mph.
 - The AMTC-3 may be installed either to provide targets moving across the field of fire (flank), or to simulate enemy advancing or retreating.
 - Power for the AMTC-3 is supplied by two 12 Volt, 100 amp batteries. The two batteries are connected in series and supply 24VDC to the traction motor of the cart.
 - Controlled by ATA's Hand Held Controller (HHC) or Range Control Computer System (RCCS) on portable and fixed ranges.
 - Has three external target mechanism address rotary selector knobs for changing the target address to any number between 0 through 999.
-
- Mounting points are provided on the frame for the SATL, and the following major sub-systems on the cart include: a Drive Mechanism, a Transceiver/controller or ECU, Idler Wheels, Position Sensors, and Batteries
 - 5 modes of operation: AUTO, Up after Hit (UAH), Up no Hit (UNH), Cycle, and Hold.
 - Has 9 sensitivity settings. 9 Hits to Kill (HTK) settings.
 - Optional Night Effects Simulator (NES) with 3 separate target illuminations for enhanced night fire training.
 - MILES compatible
 - Connector port powers thermal blankets/gunfire simulator/Omega-60.
 - Two speed settings and Auto Traverse function.
 - Two year warranty.

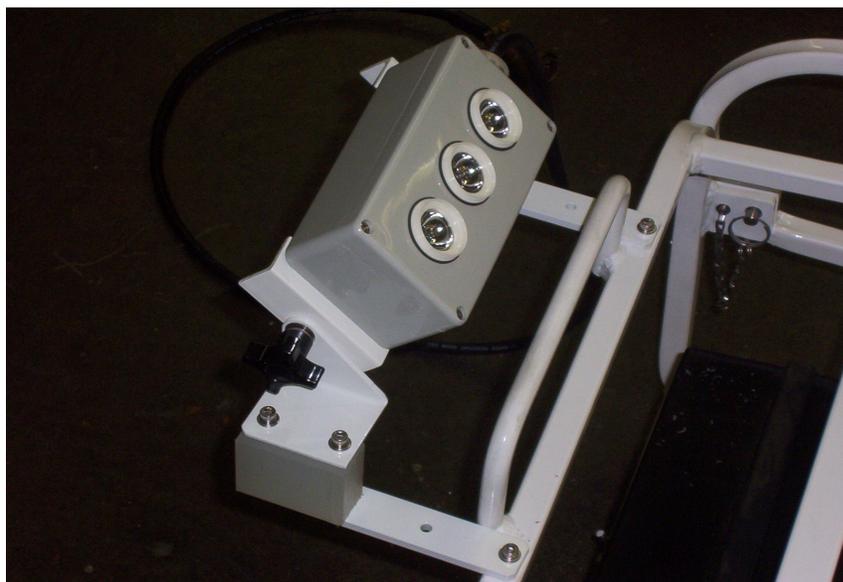




NIGHT EFFECTS SIMULATOR (NES)



- Light weight, waterproof device that provides three distinct target illuminations.
- Powered through the host device (PITS, SATL, LOMAH).
- Controlled by the HHC or RCCS.
- Moon Glow uses a blue light to illuminate the target silhouette in low light conditions.
- Positive Hit Indicator flashes to indicate target hit.
- Return Fire Indicator provides single shot or 4-6 round retaliatory burst, simulating enemy muzzle flash.





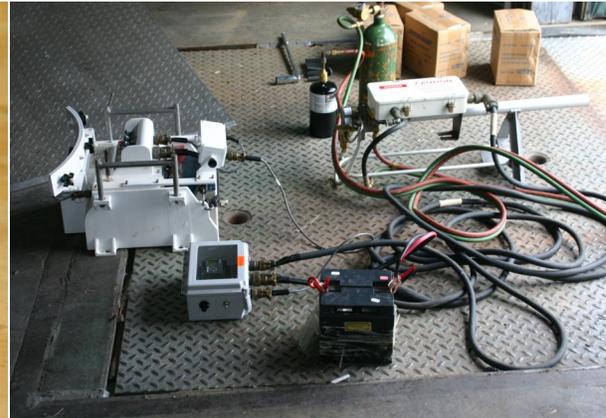
SOUND EFFECTS SIMULATOR (SES)



- Light weight, low profile design.
- 200 watt, 120 db pivotal horn easily heard at 500 meters distance.
- Powered by a 12 VDC 33 Amp gel cell rechargeable battery.
- Can be purchased as a stand alone system or as part of a complete PITS package.
- Stackable frame for ease of transport.
- Programmable MP3 player for added realism in a training environment.
- When used with ATA's Night Effects Simulator (NES) the Return Fire Indicator flashes in synchronization with the programmed weapon sound.
- Two year warranty.



PITS MULTIPURPOSE AUXILIARY CONTROLLER (PMAC-1/2)



PMAC-1

- Wide range of interface options for the PITS.
- PMAC-1 primarily functions as a control unit for the older propane/oxygen (SASS) machine gun simulators.
- Allows for a variety of settings to control the SASS rate of fire and duration.
- Controlled through ATA Hand Held Controller (HHC) or Range Control Computer System (RCCS).
- Two year warranty.

PMAC-2

- Fires the Titan Dynamics OMEGA-60 (Smokey Sam).
- Controlled by ATA's Hand Held Controller (HHC) or Range Control Computer System (RCCS).
- Powered by a 12VDC, 33Amp, gel cell rechargeable battery.
- Multiple safeties for Loading/Unloading.
- Two year warranty.

CUSTOM APPLICATIONS ARE WELCOME





MILES SHOOT BACK DEVICE (MSD)

- ATA MILES Shoot back Device (MSD) uses the Army standard MILES transmitter to provide training realism.
- Controlled by the Hand Held Controller (HHC) or the Range Control Computer System (RCCS).
- Powered by a 12VDC, 33 Amp, gel cell, rechargeable battery.



- Operation in either a fixed or slew mode.
- Activation or deactivation of the M16 or M60 MILES Laser.
- Variable scan speed from 1-5 seconds.



12 STATION BATTERY CHARGER (BC-12/33-100)



- The 12 Station automatic battery charger allows recharging of up to 12 gel cell batteries simultaneously or one at a time.
- Charger has a main power ON/OFF switch, a 110/220 voltage selector switch, two fuses, a 3 foot long main power cable with a standard 110 VAC wall plug. Each charging cable has alligator type clips for clamping onto battery terminals.
- Charges each battery separately, automatically shutting down once battery reaches 13VDC. Indicator lights display charge status.
- Two wheel design allows user to easily move charger to any wall outlet for use.
- Two year warranty.



SOLAR PANEL CHARGING SYSTEM (SPBC-1)



- Lightweight, portable, solar powered battery charging unit equipped with a 13VDC regulator. Rust and corrosion proof, each charging cable has alligator clamps for connecting to battery terminals.
- Two year warranty.



ATA SILHOUETTE TARGETS



- 3-D Ivan Target
- Series "E" Target (Green)
- Series "E" Target (White)
- Series "F" Target
- Series "E" Target MILES





FRIEND/FOE ROTATIONAL TARGET ARM (FFTA)

- ATA Friend/Foe Rotational Target Arm (FFTA) is an optional target arm used with the Portable Infantry Target Lifter (PITS).
- Powered by a 12VDC, 33 Amp, gel cell rechargeable battery.
- Controlled by the ATA Hand Held Controller (HHC) or the Range Control Computer System (RCCS).



- Used for judgmental training and anti-terrorist scenarios.
- From the edge on position the mechanism can turn 90 degrees to present either face of target (Friend or Foe).
- Turn after a prescribed number of hits (1-9).
- Return after hit/no hit.



ATA Products in the Field



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