



The InVeris FATS® 100C Marksmanship Virtual Training System:

Speeds Certification with State-Specific Law Enforcement Courseware

The FATS 100C Marksmanship is an easy to transport, set up, and use virtual, projection-based weapons-handling range system that completely supports practice for required qualifications. The system couples basic to expert-level courses of fire, industry-leading BlueFire® simulated weapons or laser insert weapons, and impressive analytical skill feedback to help instructors perfect trainees' skills at all levels, including shooting fundamentals, grip, sight alignment and picture, trigger control, and recoil management. The FATS 100C includes state-specific courseware to help ensure that marksmanship requirements are consistently met by the trainee.

The FATS 100C delivers the best simulated range environment available to law enforcement by incorporating a premium ballistically-accurate library. High-definition graphics and a robust set of 3D targets provide additional realism for drills on the simulated pistol and rifle ranges. A single system simultaneously supports up to 5 lanes and a total of 6 BlueFire weapon simulators varying in model and manufacturer. For example, the system can be configured as 3 lanes with each trainee using 2 different firearms that are nearly identical to their issued or preferred weapons.

Instructors and trainees can select courseware for basic and advanced marksmanship training. For an additional charge, InVeris Subject Matter Experts can develop custom courses of fire to aid instructors in maximizing trainee skills to meet current or future qualification doctrine.

During the After-Action Review (AAR), the instructor and trainee can analyze the trainee's actions and discuss proper technique and procedure. Using the FATS 100C's precise feedback, the instructor can identify problematic areas and develop a personalized training plan. Combining this feedback with customized training strengthens real world responses and provides the flexibility to change content as training needs evolve.

The keys to effective training include realism, meaningful feedback, and repetition enabled by range availability and a convenient location. The FATS 100C shows its value in all 3 areas.

- State-specific courseware (included) to ensure that expected skill levels are consistently met using high fidelity BlueFire simulated weapons
- Automatic analytical shooting fundamentals feedback (grip, sight alignment and picture, trigger control, and recoil management)
- Easy transport, set-up and use to practice almost anywhere

And, with simulated firearms, the cost of practice ammunition is eliminated.



System Components & Portability:

- High performance laptop PC which supports the Instructor Operator Station (IOS), 360-capable audio, and 2 external speakers.
- HD 1920 x 1080p system projector.
- Shot placement camera.
- Ruggedized carrying case (size of a large range bag, easily handled by one person).
- A choice of system bundles including one or two BlueFire® simulated pistols and/or rifles, as well as a BlueFire Recoil Refill Station.

General System Characteristics & Capacities:

- A realistic and safe environment to practice required weapon skills.
- Advanced marksmanship software that displays courses, processes and stores course data, and enables real-time instructor monitoring of course/weapon feedback data.
- High-fidelity simulations that provide positive training transfers from the simulator to live fire ranges and real engagements.
- Photorealistic 3D terrains and 3D targets (including "paper" targets).
- Multiple environments, effects (weather and lighting), day and night settings.
- Ability to upload and display reference documents for trainees (Excel, PPT, Word, PDF).
- Support for up to 5 users training simultaneously, or 1-5 lanes that can be used for individualized and customized exercises.
- Unlimited supply of virtual, environmentally-friendly firearm ammunition.

Instructor & Trainee Marksmanship Capabilities:

- State-specific courseware that focus on those drills and skills required for certification.
- InVeris' patented Automatic Coaching analyzes shooting results/sensors to highlight potentially poor shooting habits. – Combines weapon sensor and shot results data to highlight trainee errors. – Errors are immediately displayed, with links to corrective video clips and integrated training manuals to demonstrate the proper firing techniques.
- Instructor Operator Station (IOS) providing real-time monitoring of trainees' performance including course / weapon feedback data, exercise data, course results, replay of shots, and the ability to store trainee results in the student database.
- Instructor-initiated weapon malfunctions, which force trainees to perform immediate action drills while being engaged in a controlled exercise environment.
- After Action Review (AAR) reports (simulator dependent):

- weapon cant angle, butt pressure, trigger squeeze, aim trace, hit point, Point of Aim and Point of Impact indicators for instructors and students to review and discuss results and corrective actions.
- The trainee's ability to "shoot and move" (forward moving eye point).
- Assigning multiple weapons per trainee to enable transition drills in a controlled environment.

BlueFire Simulated Weapons Supported (sold separately when not in bundle):

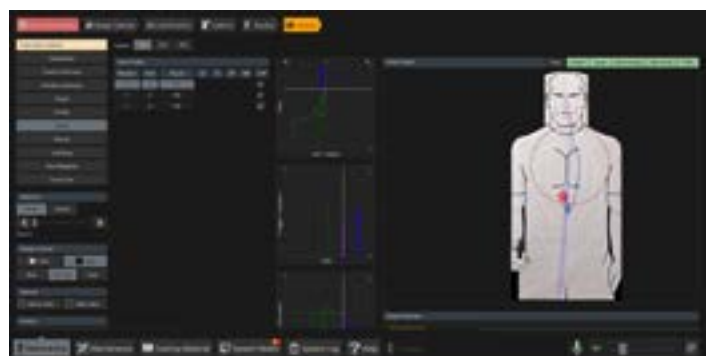
- Pistols: Glock 17, Glock 19, S&W M&P .40, SIG P320.
- Rifle: M4 / M4A1.
- Shotgun: Mossberg 500.
- For more BlueFire simulated weapons details, see: [BlueFire® Smart Weapon Simulators \(Military\) | InVeris Training | Integrated live-fire and virtual weapons training systems](#)

Other Options / Accessories Supported (Sold separately):

- Projection Screen and Stand.
- Ceiling mounts for projector and shot camera.
- Dvorak or laser insert weapons.
- Air tank for recoil refill station.



Vivid, realistic 3D environment including 3D paper targets.



Marksmanship training and shot analytics reinforce shooting fundamentals.