



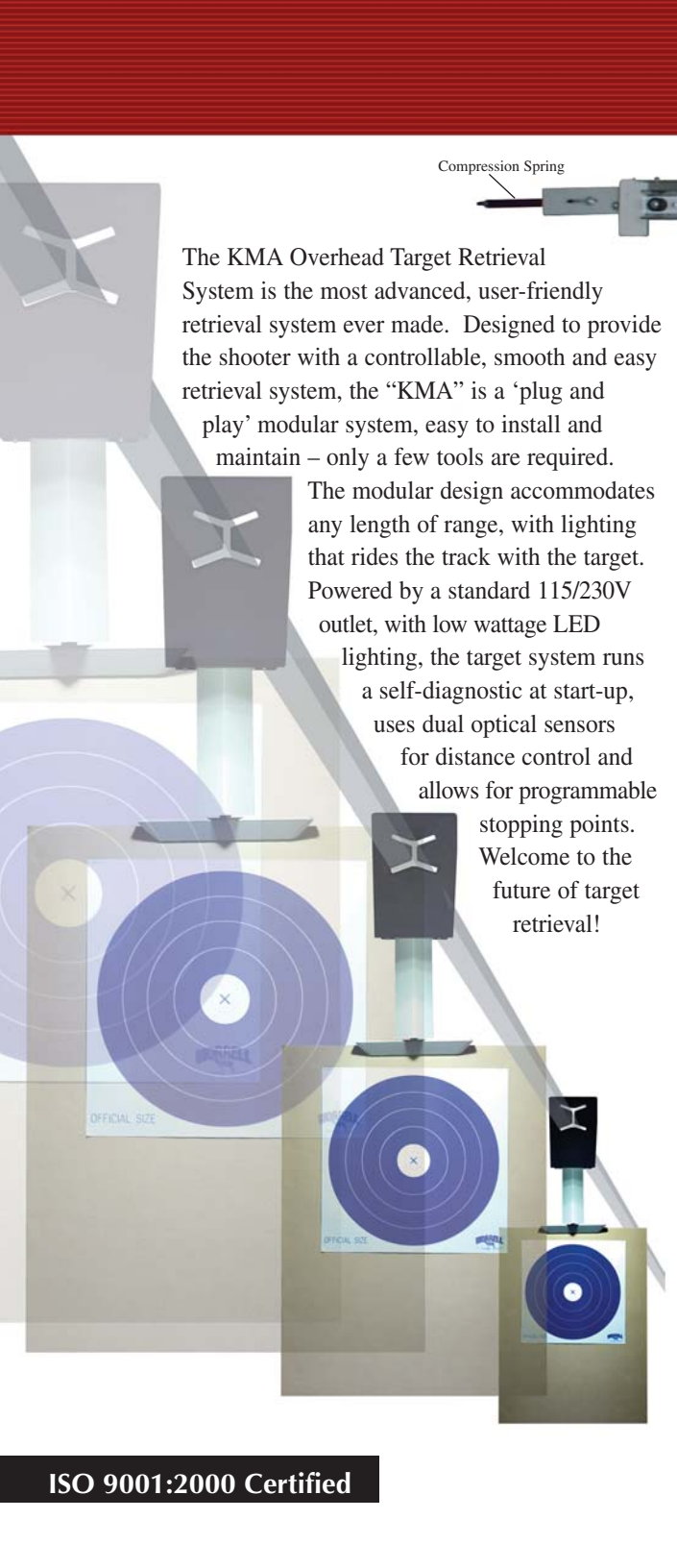
KMA Overhead Target Retrieval System



***Modular design,
programmable and illuminated
retrievable target system.***



Savage Range Systems
Shooting Ranges and Bullet Traps



Compression Spring

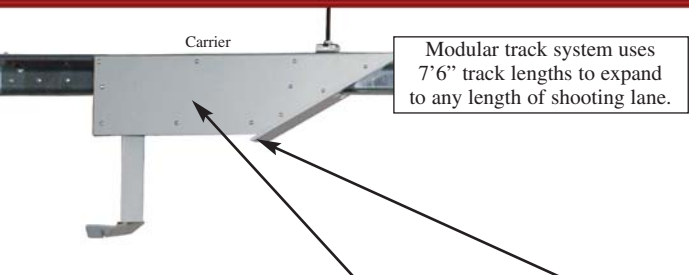
The KMA Overhead Target Retrieval System is the most advanced, user-friendly retrieval system ever made. Designed to provide the shooter with a controllable, smooth and easy retrieval system, the “KMA” is a ‘plug and play’ modular system, easy to install and maintain – only a few tools are required.

The modular design accommodates any length of range, with lighting that rides the track with the target. Powered by a standard 115/230V outlet, with low wattage LED

lighting, the target system runs a self-diagnostic at start-up, uses dual optical sensors for distance control and allows for programmable

stopping points. Welcome to the future of target retrieval!

ISO 9001:2000 Certified



Compression Spring

Retains cable tension even with the removal of the Carrier. The pulley system uses a 1/8" steel drive cable.



Target Carrier

The 'turning unit motor' and electronics housed in the lower section are easily removed for service. The Drive Unit Optical Sensor always knows the correct distance of the target.



Target Light

The carrier-mounted adjustable intensity LED light travels with the target. Red and blue flashing lights can be added to simulate 'in the field' lighting, operated by a central control.

Target Carrier

- Modular design with upgradable capability of turning unit.
- Installs on track without the need to remove track sections.
- Cover easily removes for service or replacement.
- Carrier can be disconnected from the drive cable without losing cable tension.
- Moves by 1/8" cable.
- Re-calibrates with Drive Unit at HOME position.
- Made from 12-gauge galvanized steel.
- Faceplate constructed of 1/4" armor steel and can accommodate changes of armor thickness.
- Optional turning unit with 360° target rotation is available.
- Carrier-mounted target lighting is installed behind faceplate and travels and illuminates the target at any distance.
- LED lights for lower operational cost.
- Lights automatically go on when target is fully faced.
- Optional red and blue lights simulate actual lighting and are controlled from central control only.
- Dual optical sensors on drive unit and carrier.
- Rides on low-maintenance polyurethane wheels.



Carrier Track

Low-maintenance, ball-bearing polyurethane wheels move the Carrier along the track. Rubber stops are positioned at each end of the track. The Carrier is easily removed from the track and disassembled for maintenance.



Booth Light

Track-mounted LED fixture is powered directly from the Drive Unit, no additional electrical wiring is necessary. The position of the light is adjustable, and can be controlled by both the shooter and a central control.



Drive Unit CPU

Target distance is measured in feet, yards or meters, with programmable stopping points. The Drive Unit automatically runs a self-diagnostic at start-up.

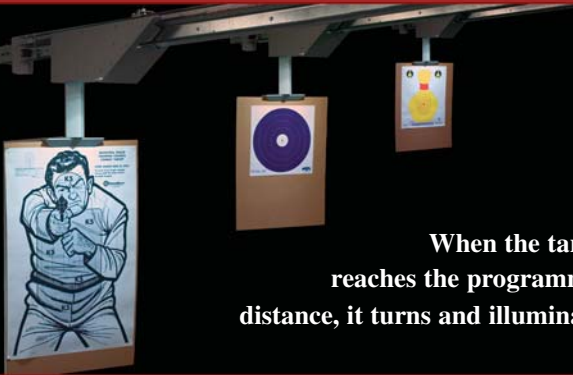
Drive Unit

- Drive Unit plugs into 115/230V outlet using standard computer power cable.
- Performs self-diagnostic at start-up.
- Drive Unit Optical Sensor calibrates with Track Distance Optical Sensor.
- Communicates with local control, central control and target carrier.
- CPU maintains a log of errors and can download log.
- Removable cover for easy access and maintenance.
- Constructed from 12-gauge galvanized steel.
- Cover made from thermoformed ABS plastic.
- Track-mounted optional LED booth light, controlled from booth or central control.

Carrier Track

- Modular design, in 7'6" sections with 9" overlap for rigidity.
- Installs to ceiling with vertical hangers universally adjustable thru length of track.

Bright LED Target Lights



When the target reaches the programmed distance, it turns and illuminates.

Bright LED lights can be controlled by either the Booth Control Unit or a central control.

The LED target light ‘rides the track’ with the target!

Operated from either the shooter’s booth or a central control, the traveling target light turns on when the target reaches the programmed distance and fully faces the shooter. The lights are mounted inside the Carrier, protected by a 1/4” armor steel faceplate. Red and blue flashing lights, operated by a central control, can be added to simulate ‘in the field’ illumination for optimal practice.



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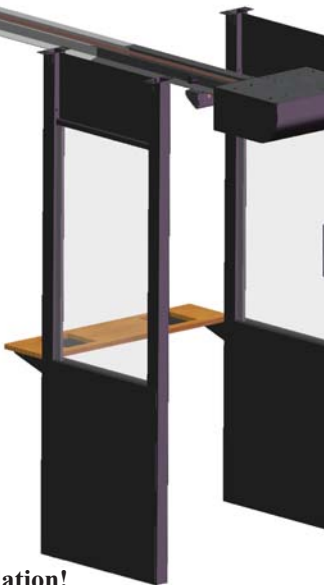
Dual optical sensors, one on the Drive Unit and another on the Carrier, always know the correct distance to the target. Target distance is measured in feet, yards or meters and can be programmed at the booth or a central control. The Carrier glides smoothly along the track on eight low-maintenance polyurethane wheels. The Carrier re-calibrates on reaching the HOME position.





KMA 1000: Basic overhead target retrieval system with one-directional 90° front and edge target turning.

KMA 2000: Enhanced overhead target retrieval system with full 360° target turning.



Easy installation!

Designed for easy installation, using standard 115/230V outlets, the KMA Overhead Target Retrieval System offers simple 'plug and play' options.



Booth Control Unit

Booth Control Unit displays actual distance in feet, yards or meters, deploys and retrieves target, turns target and allows the shooter to set the distance with GO and HOME buttons.



Overhead Booth Light

Optional Booth Light mounts on the track in front of Drive Unit. LED bright white lights are low wattage, plug into the Drive Unit and can be controlled from either the Booth Control Unit or a central control.



Easy installation and maintenance

Simple tools are all that are needed for the system's easy installation. Once installed, only four tools are required for any future maintenance.

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