



RIZHAO FZH INTERNATIONAL TRADE CO., LTD.

MANUFACTURER OF SHOOTING TARGET SYSTEM

Company Profile



- 1.The company was founded in 2018;
- 2.Specializing in the research and manufacture of shooting traininge quipment;
- 3.The product has covered the basic demand areas for training of the front-line forces of all arms;
- 4.With world-class production and testing equipment and technolog;
- 5.Team members have first-rate theoretical knowledge and practical experience in relevant fields;
- 6.It mainly includes the development and application of military shooting target system, intelligent range system and live combat system technology.

Product introduction



Content

Field I Shooting training target system

Field II Laser simulation shooting training series

Field III Design and construction of indoor
and outdoor shooting ranges

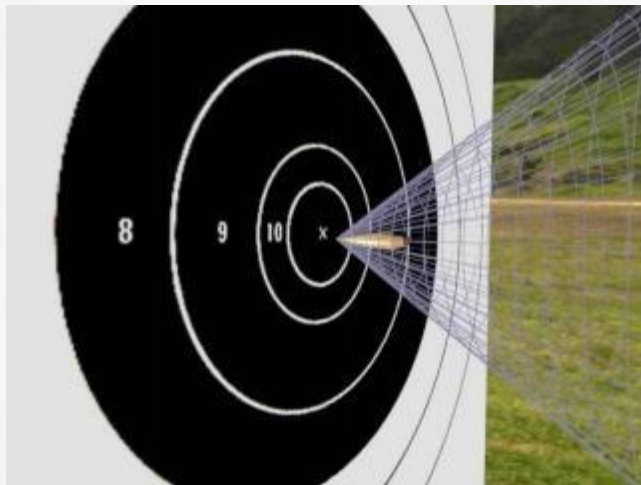
Field I Shooting training target system

(I) Shock wave target series



Product features

High accuracy of target reporting: directly display the coordinates of the impact point, We will report where we really hit;
All-weather use: high temperature, low temperature, rain, snow, fog
Normal operation in windy weather;
Low consumables: the target plate is only the target targeted by the shooter, and the broken target plate will not affect the normal work.



Principle description

When the sub-projectile is shot at the target plate, due to the compression of the gas by the high-speed moving warhead, a cylindrical weak shock wave is formed and diffused to the surrounding.
The characteristic value of the shock wave is measured through the sensors placed around the target plate, and then encoded by the data collector and transmitted to the data processing computer by wired or wireless means.
Finally, the location of the impact point is displayed on the display, and the target is reported by voice and image.



Field I Shooting training target system



Purpose: Mainly used for shooting training of light weapons against stationary targets.

Performance characteristics:

1. Display the impact point, coordinates, bullet sequence and number of rings by voice and image.
2. High target reporting accuracy.
3. The telescopic sensor frame is folded into a box after use, which is portable and easy to assemble.

T-bar portable folding stationary target FNY-KJ-022



Purpose: Mainly used for outdoor/indoor shooting training of light weapons against stationary targets.

Performance characteristics:

1. Unaffected by factors such as weapon caliber, projectile speed, weather, etc
2. Meet training subjects such as precision shooting and applied shooting.
3. Meet the requirements of electronic target reporting for various weapons such as toy guns, gas guns, rifles, military and police pistols, etc.

H-bar infantry stationary target FNY-KJ-029

(I) Shock wave target series



Purpose: The individual moving target simulates the straight moving characteristics, shape characteristics and the effect after being hit of the imaginary enemy individual in training. It supports high-precision shock wave target reporting and is mainly used for the training of target application shooting, tactical shooting and other subjects.

Performance characteristics:

1. The moving speed is 1-5m adjustable
2. High accuracy, accuracy and speed of target reporting
3. It can move freely through the track and meet different training requirements.

H-bar infantry moving target FNY-KJ-024B



Purpose: It is used for shooting training in indoor shooting range. In training, it can simulate the appearance characteristics of the imaginary enemy target and the sudden appearance and covert actions.

Performance characteristics:

1. Realize target stealth by fast side turning.
2. Visually display the impact point and coordinates, and the number of bullets hit by voice and image.
3. It is applicable to single shot and spot shot of different gun types.

Hanging rotary target FNY-KJ-C4

Field I Shooting training target system



Purpose: It is mainly used for light weaponsshooting training of hidden targets

Performance characteristics:

- 1.Unaffected by factors such as weapon caliber, projectile speed, weather, etc
2. Meet training subjects such as precision shooting and applied shooting.
3. meet the requirements of electronic target reporting for various weapons such as toy guns, gas guns, rifles, military and police pistols, etc

H-bar pop-up/rotary target FNY-KJ-021/020



Purpose: mainly used for indoor shooting training in shooting ranges, supporting shooting with various types of light weapons.

Performance characteristics:

- 1.Realize target stealth by fast side turning.
- 2.Visually display the impact point coordinates and number of rings in two ways : voice and image.
- 3.It is applicable to single shot and spot shot of different gun types.

H-bar ground rail moving pop-up/rotary rotary target FNY-KJ-026A/026

(I) Shock wave target series



The intelligent tracked moving target utilizes multiple layers of conductive material with an insulating layer in the middle. When a bullet passes through it, it instantly conducts and calculates the position of the bullet point through the conduction signal, achieving precise target reporting in the area. A comprehensive target training system composed of a direct drive tracked vehicle chassis, target lifting device communication control system, etc. It supports a one-stop multi machine mode, with tactical coordination actions between multiple machines. It can be customized according to customer needs, and the modules are independent of each other for easy disassembly and transportation.

Intelligent tracked moving vehicle target FNY-ZS-D13A



The intelligent wheeled moving target utilizes multiple layers of conductive material, with an insulation board in the middle layer. When a bullet passes through it, it instantly conducts and calculates the position of the bullet point through the conduction signal, achieving precise target reporting in the area. A comprehensive target training system composed of a direct drive wheeled vehicle chassis, target lifting device, communication control system, etc. It supports a one-stop multi machine mode, with tactical coordination actions between multiple machines. It can be customized according to customer needs, and the modules are independent of each other for easy disassembly and transportation.

Intelligent wheeled moving vehicle target FNY-ZS-D13B

Field I Shooting training target system



Purpose: It is developed according to the rules of the International Shooting Federation Competition. The air gun target controller adopts a single button control for reciprocating operation and is resistant to impact. Its motor adopts Sino foreign cooperative technology, with low noise and long service life. Under normal use, if there is any damage, it will be covered by a lifetime free warranty and replacement; The ammunition collector of this air gun target has a 100% ammunition collection rate.

Air gun target FNY-ZS-D9



Purpose: It is used to provide concealed artillery targets for various types of armored vehicles in trainer shooting and combat shooting.

Performance characteristics:

1. By installing a shock wave target device, it is possible to collect the hit data of various calibers of ammunition below 130mm and achieve the automatic target scoring.
2. It can realize automatic pop-up target by remote controlling, and complete various comprehensive training in trainer shooting or combat shooting.
3. Remote control can be used to achieve automatic movement and complete various comprehensive training for coach shooting or combat shooting.

Ground rail moving armor H-bar pop-up target FNY-KJ-B7



Purpose: It is used to provide concealed artillery targets for various types of armored vehicles in trainer shooting and combat shooting.

Performance characteristics:

1. By installing a shock wave target device, it is possible to collect the hit data of various calibers of ammunition below 130mm and achieve the automatic target scoring.
2. It can carry various types of trainer shooting and combat shooting camouflage net targets.
3. It can realize automatic pop-up target by remote controlling, and complete various comprehensive training in trainer shooting or combat shooting.

Armor H-bar pop-up target FNY-KJ-B6



Purpose: Simulate the shape characteristics of the imaginary enemy armored vehicle or tank (mainly used to simulate the side moving target), and simulate the mobility characteristics.

Performance characteristics:

1. It can be equipped with various types of trainer shooting and combat shooting camouflage net target surfaces. By installing a shock wave target device, it is possible to collect hit data of ammunition of various calibers below 130mm and achieve automatic target reporting function;
2. Remote control can be used to achieve automatic movement and complete various comprehensive training for coach shooting or combat shooting.

Wheeled moving armor target FNY-KJ-B8

Field I Shooting training target system



Purpose: It can simulate the collision training of thugs wielding knives to kill trainers. The computer can set the approximate training distance of the collision through the program, but when the computer control signal, distance detector and other equipment fail, the distance controller with hardware equipment of the collision target vehicle can forcibly brake the target vehicle to ensure the absolute safety of the training.

Performance characteristics:

1. Hit concealment, concealment times and concealment time are adjustable;
2. There are three implicit modes: up-down implicit mode, side-up implicit mode and side-turn implicit mode;
3. Lithium battery power supply, fully charged, more than 300 times.

Collision target FNY-ZS-D1



Inflatable simulation target FNY-ZS-D3

(II) Tactical training target series



Purpose: This target is small in size and light in weight, which is easy to place and hide the target. The vertical lifting speed is fast, which is very suitable for indoor and outdoor training. The edge of the site. The corner wall and other bunkers are placed behind them to simulate the sudden appearance of the enemy, so as to train the shooter's ability to shoot the target quickly and accurately. To charge, you only need to charge the mobile power pack.

Performance characteristics:

1. Realize target stealth by fast lifting and lowering
2. It is applicable to single shot and spotshot of different gun types.

Portable lifting target FNY-ZS-D2



Provide assassination simulation objects, meet the requirements of assassination training program, and improve the quality of assassination training.

The base adopts a stable supporting structure, and all parts are firmly connected, not easy to rust, and easy to disassemble and install. It is hot-pressed with high elastic fabric and high hardness EVA mold, and filled with high elastic EVA inside.

The appearance is lifelike, solid and full. The base is made of a combination of 16 powerful suction cups, which is convenient for use anywhere in the room, and can be fixed with the screws provided outdoors, and fixed with ground screws in the field.

This target is suitable for installation and use in various sites.

Life simulation target FNY-ZS-D4

Field I Shooting training target system



Purpose: The tree-shaped steel plate target has six steel plates. When hit, it will rotate to the other side, which can achieve all-weather shooting. For application shooting training, the main material is pure steel structure mechanical target, which simulates the head-shaped target behind the tree. The target turns to the other side under the impact of the projectile, and then shoots the other side. It can be reused without consumables.

Performance characteristics:

1. Boundary dimension: 600mmx400mmx1500mm
2. Diameter of target head: 200mm
3. Steel plate thickness: 6mm
4. Material: Q235

Tree steel plate target FNY-ZS-D5



The six-headed steel plate target is a purely mechanical target without any electrical appliances. It can be used in different environments, free from the interference of power, magnetic field, time and other factors, and can be quickly installed without the use of auxiliary tools.

The overall material of the target is resistant to all kinds of pistol shooting, with flexible central axis.

The rolling and swaying changes according to the shooting time and the shot target, and the manual control of the hidden time, so as to train the shooter's reaction ability, Improve the shooting level, apply the tactical training effect, and have no failure rate

Six head steel plate target FNY-ZS-001

(II) Tactical training target series



Purpose: Five-target mechanical tactical windmill target, without the use of auxiliary tools. Quickly install the target head. The whole material of the target is all kinds of pistol shooting. The central axis is flexible. The rolling and swinging degree changes according to the shooting interval and the shot head. The application of tactical training is good and there is no use failure rate.

Performance characteristics:

1. Material: Q235
2. Height: 1.7m
3. Diameter of rotary table: 1.3m
4. Diameter of target head: 200mm
5. Steel plate thickness: 6mm

Windmill target FNY-ZS-D6



Function and use:

There are nine irregular holes of different sizes, such as rectangular, square and round holes, on the board, which are used as shooting holes to simulate various shelter facilities, such as holes, steps, car bottoms, window sills, etc. in the actual combat environment.

It is used in combination with full-body target, half-body target, human hostage target or terrorist target paper to test the shooter's shooting ability under different postures and different lines of sight.

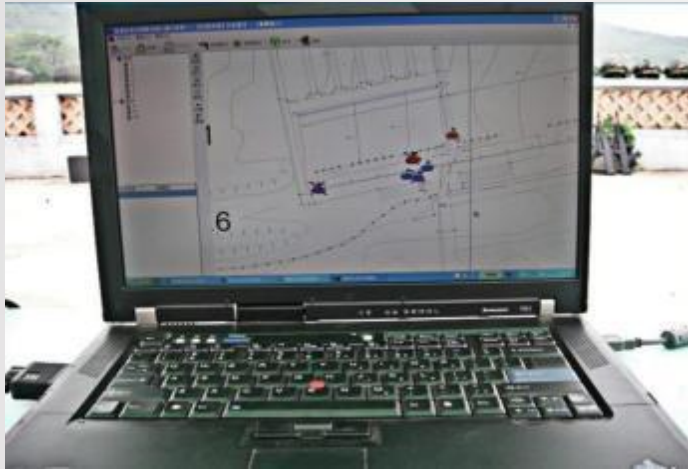
Nine-hole tactical target FNY-ZS-D8



The wireless transmission system is added to each set of individual equipment, and the individual battle damage data statistics software: the shooter can know whether or not to hit the target after shooting, and can record on the individual equipment, showing the number of times to hit the target.

Equipped with a large screen wireless scoring display system, the comprehensive data statistics of battlefield damage can be displayed by the large screen scoring display board in real time (the number of hits and the number of hits).

Equipped with a computer management system, it can display, print and manage everyone's achievements. When a team confronts, you can also print out the team achievements of both sides on the individual transcript. According to the situation of the site, a set of military training system managed by computer can be formed by equipping several laser target targets, laser shooting and falling targets and other equipment in the site.



Master server



Conditioning gun



Laser receiving helmet and vest



Communication base



Gun calibration target instrument



Laser emission module



Intelligent shoot
integrated target
system



Target reporting
monitor terminal



Type 95 laser
transmitter



Simulation shooting training
analysis system

System Overview

This product is a simulation training and analysis equipment for simulating the shooting height of light weapons. It has outstanding features such as advanced design concept, fast system deployment, convenient operation and use, stable technical performance, low training consumption, small venue dependence, high interest in group training, and safety and reliability. The product design is based on solving the basic skills of precision shooting with light weapons, with the fundamental goal of improving the safety and training efficiency of shooting training, highlighting the requirements of simulation, informatization, and practical training. It can complete basic shooting training in small indoor and outdoor venues without using live ammunition, providing strong support for troops to implement training according to the plan.



Infantry information collector

Composed of a helmet cover, individual shoulder strap, and weapon collector. Worn by trained individuals and connected to them with weapons, used for real-time tracking of individual positions and tactical shooting actions; When a single soldier is subjected to a simulated attack or receives a judgment command from an intelligent control system, the damage status of the individual can be displayed through initiating explosive devices.

Main technical indicators:

1. Communication distance: 5km (visibility);
2. Positioning accuracy: 6m;
3. Number of probes: 14;
4. Continuous working time: 24 hours;
5. Working temperature: $-30 \sim +60$

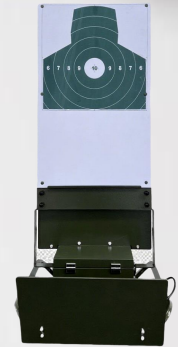


Weapon Launch Simulator

Consisting of a reverse attack device and an acousto-optic effect simulator, the accompanying system is mainly used in conjunction with various fixed and moving targets to simulate the live fire killing and acousto-optic effects of hypothetical enemy weapons and equipment;

Main technical indicators

1. Communication distance: 6km (visibility);
2. Scanning angle: horizontal $0-360^\circ$, vertical $\pm 75^\circ$
3. Sound guidance adjustment angle: $\pm 30^\circ$



Shock wave infantry pop-up target

It can carry various target types such as lead target, chest target, body target, chest ring target, machine gun target, rocket launcher target, etc., and simulate the implicit and explicit actions of the target through starting and reversing the target; The target is equipped with night lighting, which can carry out night shooting training. The target equipment can be used in conjunction with reverse attack devices and weapon launch simulation to simulate the single shot and continuous shot effects of weapons. According to the training subjects, the target can be set to hit the inverted target with a single shot, hit the inverted target with multiple shots, and inverted target according to time.

Main technical indicators:

1. Communication distance: 5km (visibility);
2. Target accuracy: 3mm
3. Continuous working ability: 3000 consecutive starts and starts when fully charged;
4. Up-down time: 1s
5. Working temperature: $-30 \sim +60$

Field II Laser simulation shooting training series

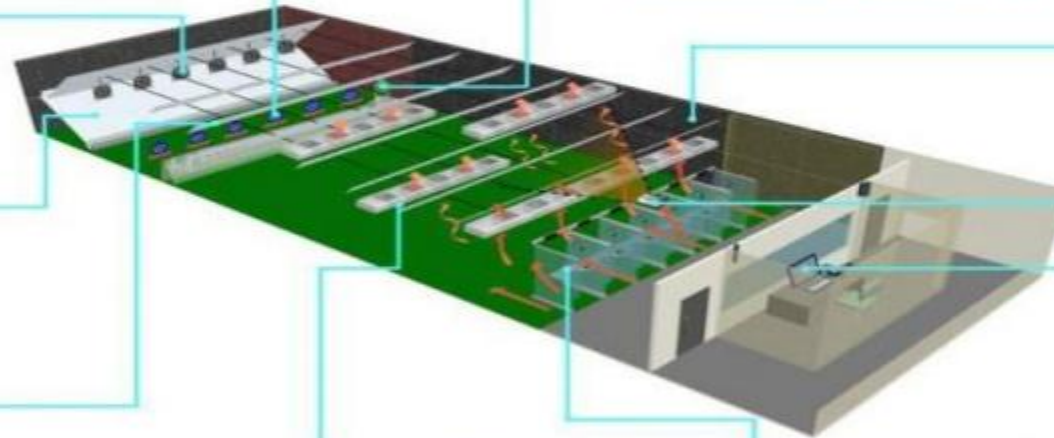
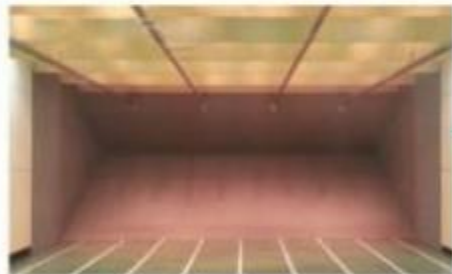
IV Image laser shooting simulation system FNY-ST-S3

The Imaging target system consists of a projection screen , image program, projection system, laser bullet point acquisition equipment, real-time imaging, video camera system, centralized control center of shooting training center, police interactive equipment, screen installation assembly, weather simulation control system, and simulated shelter facilities. Equipped with live fire and laser shooting functions, the target can appear on the large screen at the preset position, distance, and time.

The target can be fixed or mobile, or transformed into terrorists appearing at nuclear facilities or various pre made movies. The system practices shooters' fast reaction, make "shooting", "no shooting", and conventional gun holding combat skills; and it can do shooting training at various distances such as 7 meters, 15 meters, and 25 meters, etc.



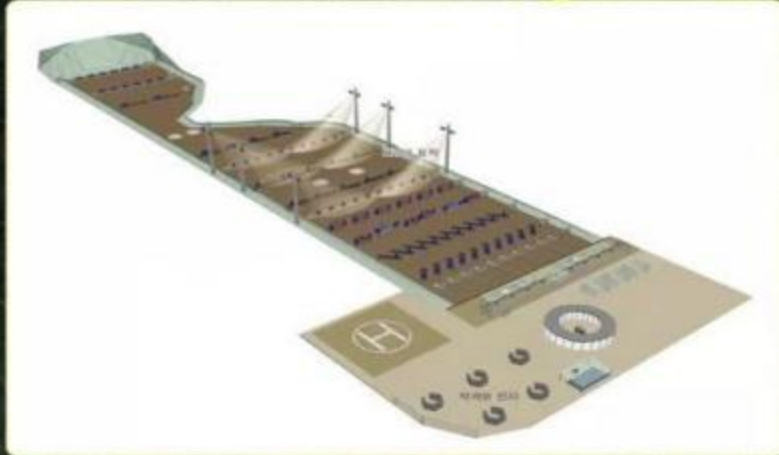
Field III Design and construction of indoor/outdoor



Field III Indoor/outdoor shooting range design and construction



Field III Indoor/outdoor shooting range design and construction



Field III Indoor/outdoor shooting range design and construction



Overall planning and design



Application Cases

Field III Indoor/outdoor shooting range design and construction



Live firing block



Mock-up



Company Qualification





CERTIFICATE OF COMPLIANCE

Certification number: CTE230907001
Issued date: Sep. 20, 2023

Applicant: RIZHAO ZHONGTAI SPORTS EQUIPMENT CO., LTD.
WULIAN COUNTY INDUSTRIAL BASE, RIZHAO CITY, SHANDONG PROVINCE,
262300, CHINA

Manufacturer: RIZHAO ZHONGTAI SPORTS EQUIPMENT CO., LTD.
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EUT Name: SPORT'S DATAANALYZER

Trade Mark: FNY

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Laboratory: Shenzhen CTA Testing Technology Co., Ltd.
Room 106, Building 1, Yibao Industrial Park, Qixiao Community, Futian Street,
Bao'an District, Shenzhen, China

In accordance with the following Applicable Directives: 2014/53/EU RED DIRECTIVE
The equipment, as described herewith, was tested pursuant to applicable test procedure and complies with the requirements of:

Requirement	Applied Standards	Test Report No.	Result
Radio	ETSI EN 300 328 V2.2.2 (2019-07)	CTA2006700101	Conform
EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2019-09) EN 60332-30-18-A11:2020/EN 60332-30-17-A11:2020 EN IEC 61000-6-3:2019/A1:2021 EN 61000-6-3:2017/AC:2022	CTA2006700102	Conform
Health	EN IEC 62311:2020	CTA2006700103	Conform
Safety	EN IEC 62368-1:2020/A1:2020	CTA2006700104	Conform

The test results are traceable to the international or national standards.



Note: The certification is only valid for the equipment and configuration indicated in conjunction with the test data attached below. The CE mark as shown herein can be used under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives.

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Room 106, Building 1, Yibao Industrial Park, Qixiao Community, Futian Street, Bao'an District, Shenzhen, China
Tel: +86-755 2322 5875 E-mail: cta@cta-test.cn Web: http://www.cta-test.cn



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Welcome to inquire us!