



WHEEL MOVING ARMOR TARGET

www.lomah-target.com

----RIZHAO FZH INTERNATIONAL TRADE CO., LTD.
MANUFACTURER OF SHOOTING TARGET SYSTEM

Contents

1 Working principle

2 System purpose

3 System composition

4 System function

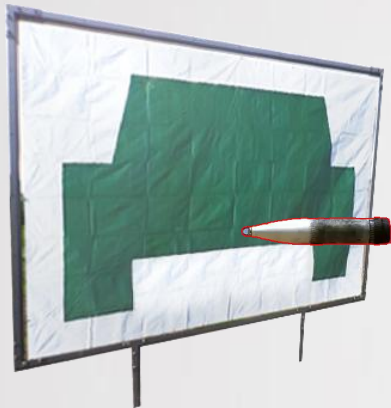
5 Main technical indicators

6 Complete configuration

7 System interface

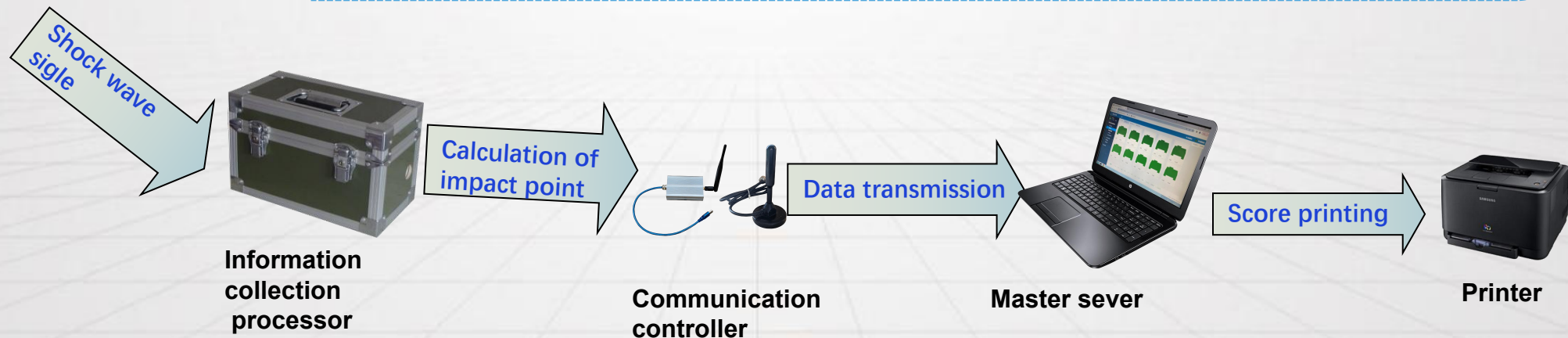
8 Application cases

1 . Work principle



Automatic scoring by Lomah

The working principle is that when a supersonic projectile is fired at the target, a certain conical shock wave is generated due to the compression of the surrounding air by the high-speed moving projectile. The characteristic values of the shock wave are measured through sensors placed below the target, encoded by a data acquisition processor and transmitted to the main control server through wired or wireless means. Finally, the impact point position is displayed on the display, and the target is reported in real-time through both voice and image methods.



2 . System application



Wheeled moving armor target are used to simulate the external characteristics of hypothetical enemy armored vehicles or tanks (mainly used to simulate side moving targets) and simulate maneuvering characteristics.

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.

Remote control can be used to achieve automatic movement and complete various comprehensive training for coach shooting or combat shooting .

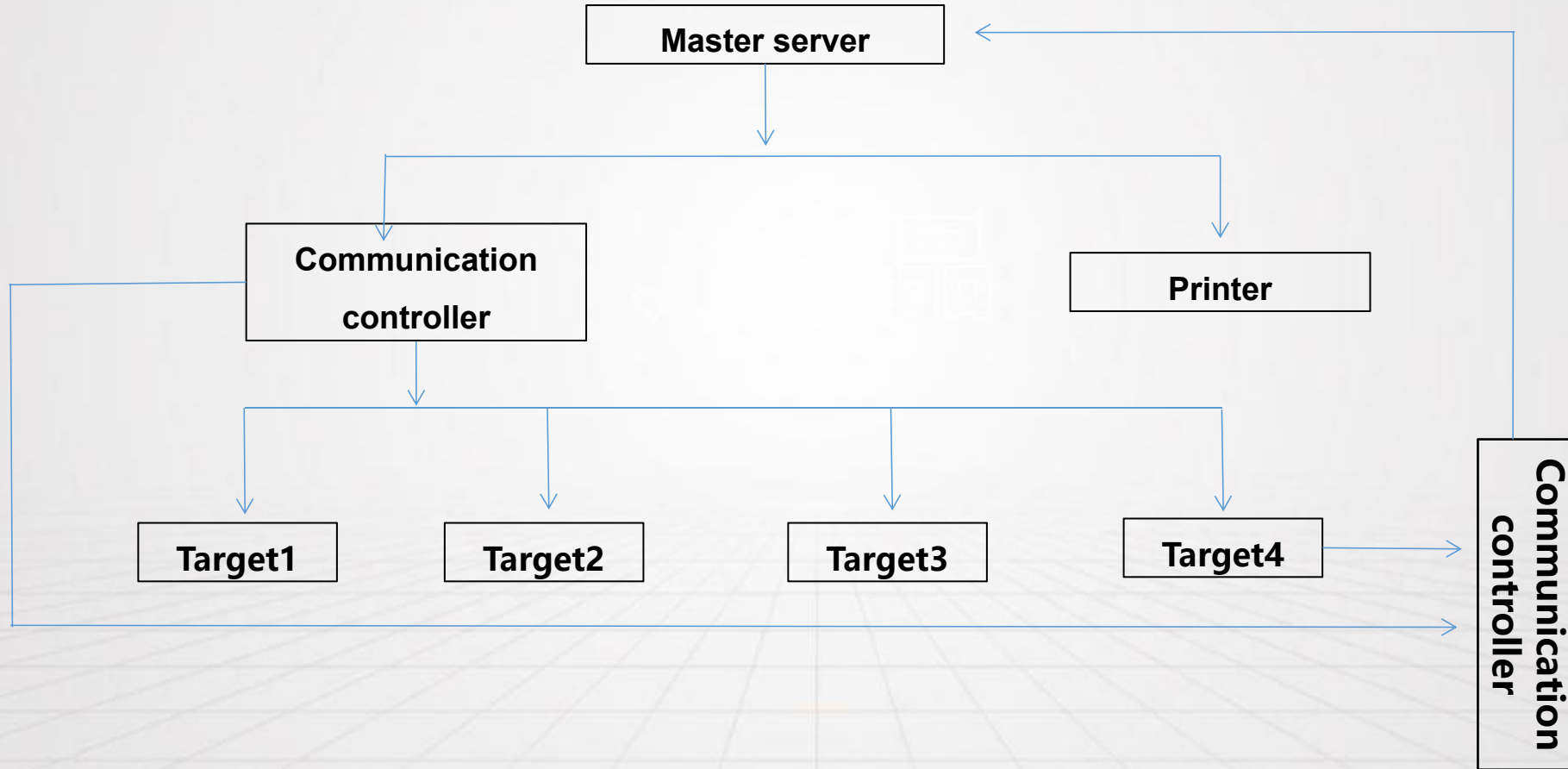


Wheeled moving armor target





3 . System composition





System composition



1. Wheeled moving armor target

The wheeled moving armor target maps the model to the target position and calculates the impact point position based on the spatial geometric relationship between the impact point and the sensor array by analyzing the process of projectile incidence.



2. Master sever

The main control server adopts a highly configured laptop computer equipped with server management software, which is easy to control, view, count, and query the shooting results of units or individuals.



3. Target remote control

The target machine is equipped with a remote control that can control the forward, backward, and stop movements of the target machine, and can control the movement of the moving target vehicle within a range of 1-1000 meters.



4. Communication controller

A high-power communication system can provide 900MHZ wireless services, providing a cleaner wireless environment and more stable wireless access. Capable of accurately transmitting signals from the target and main control server to the other party within a range of 1-3000 meters.



4 . System function



Adjustable movement speed

The moving speed of the target car can be adjusted through the speed regulating Potentiometer. The moving speed is adjustable at 10 gears, and the maximum moving speed is 10m/s, which can adapt to different training scenarios.

Spatial positioning technology

The target plane maps the model to the target position by analyzing the process of projectile incidence and using time difference to calculate the position of the impact point based on the spatial geometric relationship between the impact point and the sensor array.

Traget function

Different control way

The target vehicle can be controlled through upper computer software and target remote control. The wheeled armored moving target can complete forward, backward, and braking of the target vehicle through remote control commands; Complete automatic reciprocating motion based on the set starting and ending positions.

Applicable to multi-caliber weapons

Suitable for shooting training with multi caliber weapons ranging from 12.7mm to 130mm. Provide mobile artillery targets for training or combat shooting of various types of armored vehicles.



5 . Main technical indicators



No.	Item	Target
1	Applicable target plate	5.0m * 2.0m (width * height) wooden target board and gauze target
2	Applicable weapon	Multiple types of weapons such as rifles,air guns,pistols,light machine guns,sniper rifles,etc
3	Applicable bullet diameter	5mm-130mm
4	Applicable velocity	100m/s~1500m/s
5	Applicable temperature	-30°C~+65°C
6	Maximum target quality	100kg
7	Maximum target size	5. 0m*2. 0m
8	Target reporting accuracy	≥98%
9	Target reporting accuracy error	≤10cm
10	Wireless control distance	1-3000m (Intervisibility)
11	Rain proof performance	1.7mm/min, 30min
12	Target reporting response time	≤1s
13	Battery pack	48V72AH
14	Maximum movement speed	10m/S (10 adjustable gears)



Complete configuration



No.	Part name	Quantity	Unit	Remark
1	Master sever	1	pc	Including software
2	Communication controller	1	set	
3	Wheeled moving armor target	1	pc	
4	Target remote control	1	set	
5	Power supply battery pack	1	pc	48v72ah
6	High frequency suction cup antenna	1	set	900MHZ
7	Target surface	1	set	Camouflage net
8	Target rod	2	pc	wooden
9	Target charger	1	set	
10	Spare parts kit	1	set	
11	Instruction manual	1	pc	
12	Certificate card	1	pc	
13	Packing box	1	pc	Wooden box



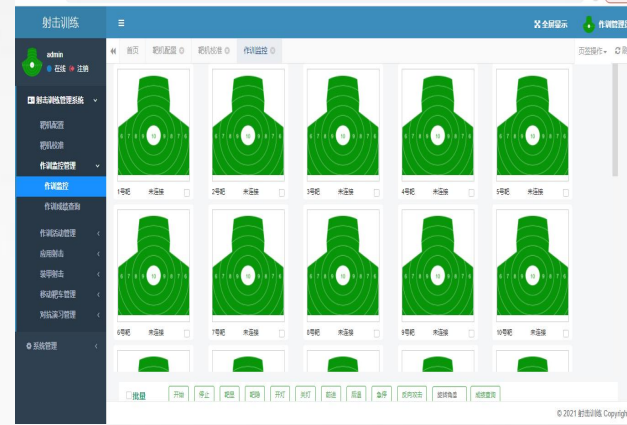
7. Product picture



Picture of complete target



Product picture



Operating System

Shooter monitor



Communication system



8 . Application cases





Application cases

