Red Sun
瑞德森

体育潮玩设备专家
Sports And Leisure Equipment





产品手册
PRODUCT MANUAL















北京瑞德森保龄科技有限公司
Beijing Red Sun Bowling Technology Co ., ltd

PRODUCT MANUAL

公司简介
COMPANY PROFILE

北京瑞德森保龄科技有限公司自1997年至今一直专注于全套保龄设备及部件的生产，供应，安装等业务。在接近30年的经营过程中，我司在国内外市场生产、销售和安装了10000 多套整套保龄球设备。公司产品远销 80 多个国家和地区。

Beijing Red Sun Bowling Technalogy Co., ltd provides and manufactures the whole set bowling equipment since 1997. In almost 30 years, Red Sun Bowling produced, sold and installed more than 10000 sets whole set bowling equipment in domestic and foreign markets, The' company's products are exported to more than 80 countries and regions.

公司产品 / Company product

瑞德森斯垂克吊瓶式保龄设备，瑞德森迷你吊瓶式保龄设备，瑞德森Duckpin保龄设备，保龄球道互动投影系统，移动靶射箭、实弹胶丸射击、数字棒球、数字足球、光格大战、模拟高尔夫、沉浸式竞技骑行、红外激光打靶设备、激光狩猎、室内攀岩机等。

Red Sun Strike String Bowling Equipment, Red Sun Mini String Bowling Equipment, Red Sun Duckpin Bowling Equipment, Bowling Lane Real Time Interactive object Tracking , Moving target archery equipment, Pneumatic pellet shooting, Simulated field baseball pitching machine, Football Robot Keeper, Jumping LED light Grid, Simulate Golf, Immersive Competitive Cycling , Infrared laser targeting equipment, Laser Hunting, Indoor rotating rock climber etc.

这些产品深受国内外轰趴馆、娱乐中心、保龄球中心和体育中心的青睐。

These product items are favored by fashion houses, Entertainment center, Bowling Center and Sports Center in domestic and foreign markets.



瑞德森保龄在保龄球和运动器材行业从业近30年，积累了大量宝贵的经验和技术储备。

这为今后更好地服务全国乃至全世界的客户奠定了坚实的基础。

In the course of working in the bowling and sport equipment industry for almost 30 years, Red Sun Bowling has accumulated a lot of precious experience and technical reserves.

It has laid a solid foundation for better service to customers from all over the country and all over the world in the future.

现在，瑞德森保龄每年生产 600 多套保龄球设备，每年在全球安装 500 多套保龄球设备。这样的业绩在亚洲地区处于领先地位。

Now Red Sun Bowling produces more than 600 sets of bowling equipment annually, and installs more than 500 sets of bowling equipment worldwide each year. Such performance is at the forefront in the Asian region.

公司的发展目标："在专注保龄设备实体制造将近30年的基础上，持续认真地开拓打磨体育潮玩系列设备！"

The company's philosophy is: "Focus on Physical manufacturing industry for almost 30 years, and continue to deal with Bowling and sports equipment seriously and Wholeheartedly in future!"

投资保龄球中心和娱乐中心，
北京瑞德森保龄科技一定是您的最佳选择！

Build the bowling center and entertainment center
Beijing Red Sun Bowling must be your best choice

北京瑞德森保龄科技有限公司
Beijing Red Sun Bowling Technology Co ., ltd

证书
CERTIFICATE



ATTESTATION OF CONFORMITY

Name and Address of Attestation Holder:
Beijing Redsun Bowling Technology Co., Ltd.
Room 203, 2nd Floor,Building 2,No. 9 Tianhua Street,Daxing District, Beijing

Name and Address of Manufacturer:
Beijing Redsun Bowling Technology Co., Ltd.
Room 203, 2nd Floor,Building 2,No. 9 Tianhua Street,Daxing District, Beijing

Brand: N/A

Product Name: Bowling equipment

Product Model: Redsunstring

Document Number CE-2014-01-250624

Date of Issue: 25.06.2024

Expiration Date: 25.06.2029

Test Report Number: B-S2406C2373

Test Required: EN ISO 12100:2010 EN 60204-1:2018

The product meets the technical requirement of the above standards as mentioned in the reference test reports and hence fulfils the technical requirements of the following directives

2014/35/EU Low Voltage Directive
2006/42/EC Machinery Directive

CGS Test confirms type which is mentioned above according to the [Annex I] Essential Health and Safety Regulations of 2006/42/EC Machinery Directive with inspection report. Manufacturer must ensure that assessment of conformity with internal checks on the manufacture of above product according to the Annex VIII of 2006/42/EC.

This document is only valid for the equipment and configuration described, in conjunction with the test data detailed above reference test reports. Document was issued on voluntary basis and does not imply meeting Notified Body conformity assessment procedure for the product.
The CE Mark, under the responsibility of the manufacturer or the importer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives.

SIGNATURE

CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ
Perhatpaşa Mahallesi 23. Sk. No:17/1 Ataşehir İstanbul/TÜRKİYE
www.cgstestmerkezi.com
Page: 1/1



中标华信(北京)认证中心
CSHCC.CN

质量管理体系认证证书

证书编号：19924Q00971R0S

兹证明

北京瑞德森保龄科技有限公司

统一社会信用代码：91110115MA00CJK44R

注册地址：北京市大兴区天华街 9 号院 2 号楼 2 层 209

办公地址：北京市大兴区生物医药基地天华街 9 号院理悦国际 18 号楼 1907

质量管理体系符合标准：

GB/T 19001-2016/ISO 9001:2015

通过认证的范围：

保龄球自助设备的研发，保龄球设备（成人版、迷你版）、移动靶射箭系统、足球智能守门员系统、胶丸射击系统、运动格子系统的销售

认证范围涉及法律法规要求的行政许可、资质许可、强制性认证的，证书与资质共同使用有效。
在正常接受年度审核的情况下，与证书下方二维码一并使用有效。

发证日期：2024-07-17
有效期至：2027-07-16
初次发证：2024-07-17

签发：

IAF MUTUAL RECOGNITION ARRANGEMENT
CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C182-M

中标华信(北京)认证中心有限公司

中心地址：北京市石景山区石景山路3号五座大厦5层 中心电话：010-88255986 中心邮编：100049
注：证书详细信息可在国家认证认可监督管理委员会官方网站（www.cnca.gov.cn）及本机构网站（www.cshcc.cn）或扫描左侧二维码查询



中标华信(北京)认证中心
CSHCC.CN

Authentication Certificate of Quality Management Systems

Registration No.19924Q00971R0S

This is to certify that

Beijing Redsun Bowling Technology Co., Ltd

Unified Social Credit Code：91110115MA00CJK44R

Registered Address：Room 203, Building 2, No. 9, Tianhua Street, Daxing District, Beijing

Office Address：Room 1907, Building 18, Junyue International, No. 9, Tianhua Street, Daxing District, Beijing

Is in conformity with：

GB/T 19001-2016/ISO 9001:2015

The certificate is valid for the following scope：

Research and development of bowling self-service equipment, sales of bowling equipment (adult version, mini version), mobile target archery system, football smart goalkeeper system, capsule shooting system, sports grid system

This certificate should be used effectively with the legal requirements of the administrative license, qualification license, compulsory certification, which the certification scope involved.
In the case that the organization regularly receives surveillance assessments,
the certificate shall be valid when used together with the Quick Response Code.

Date of Issue：2024-07-17
Date of Expiry：2027-07-16
Date of Initial Certification：2024-07-17

General Manager

IAF MUTUAL RECOGNITION ARRANGEMENT
CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C182-M

China Standard Huaxin (Beijing) Certification Center Co., Ltd.

Address of Certification Authority：5 Floor,YeQuan Building,No.3 Shijingshan Road,Shijingshan District,Beijing Tel：010-88255986 P.C.：100049
Note：The detailed information is available on the Certification and Accreditation Administration of the People's Republic of China official website (www.cnca.gov.cn) the authority's website(www.cshcc.cn) and the Quick Response Code on the left.

项目名称
TABLE OF CONTENTS

01 成人保龄设备
Red Sun String bowling equipment

02 迷你保龄设备
Mini bowling equipment

03 Duckpin保龄设备
Duckpin bowling equipment

04 移动靶射箭
Moving target archery equipment

05 实弹胶丸射击
Pneumatic pellet shooting

06 数字棒球
Simulated field baseball pitching machine

07 数字足球
Football Robot Keeper

08 光格大战
Jumping LED light Grid

09 模拟高尔夫
Simulate Golf

10 沉浸式竞技骑行
Immersive Competitive Cycling

11 红外激光打靶设备
Infrared simulation shooting system

12 激光狩猎
Laser Hunting

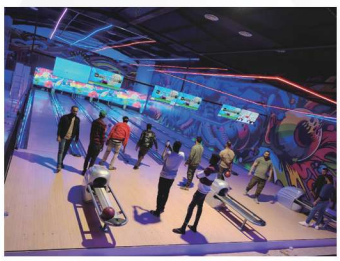
13 室内攀岩机
Indoor rotating rock climber



01
成人保龄设备 / Red Sun String bowling equipment

北京瑞德森保龄科技有限公司可以生产成人款吊瓶机全套保龄设备，迷你保龄设备，Duckpin保龄设备。是目前国内提供保龄设备品牌最全的供应商。

Beijing Red Sun Bowling can produce Red Sun String bowling equipment,Mini bowling equipment,Duckpin bowling equipment. It is currently the supplier of the most complete brand of bowling equipment in China.



◀ 利比亚6道瑞德森保龄球中心
6 Lanes Red Sun String Bowling Center in Libya



◀ 24道瑞德森吊瓶式保龄球中心
24 lanes Red Sun String bowling center

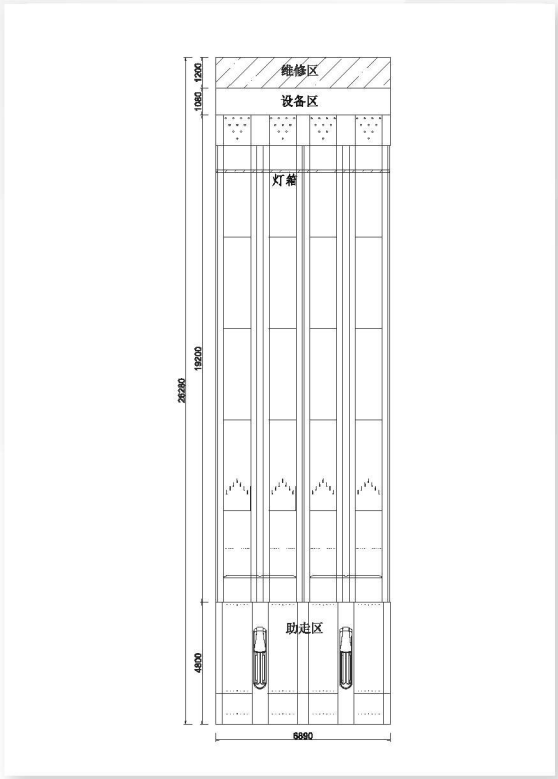


◀ 伊拉克12道瑞德森保龄球中心
12 Lanes Red Sun String Bowling Center in Iraq



◀ 迪拜12道瑞德森吊瓶式保龄球中心
12 Lanes Red Sun String Bowling Center in Dubai

平面图 / Plan



成人保龄四道平面图/Adult Bowling 4 Lanes Floor Plan

耗电量/Power Consumption：

瑞德森吊瓶保龄设备用电需求

Red Sun String Bowling Equipment Power Requirement:

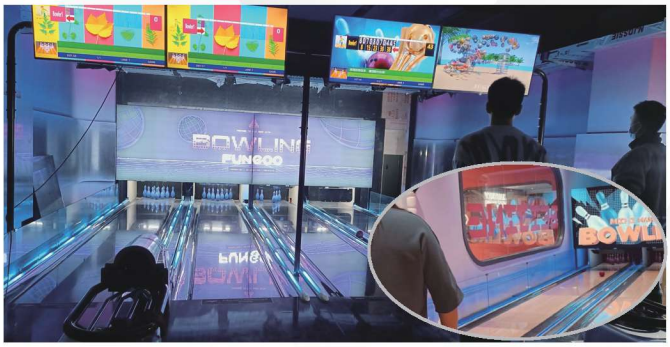
电压/Voltage:220V.50 HZ 2.5 KW/Lane(道)

02

迷你保龄设备 / Mini bowling equipment

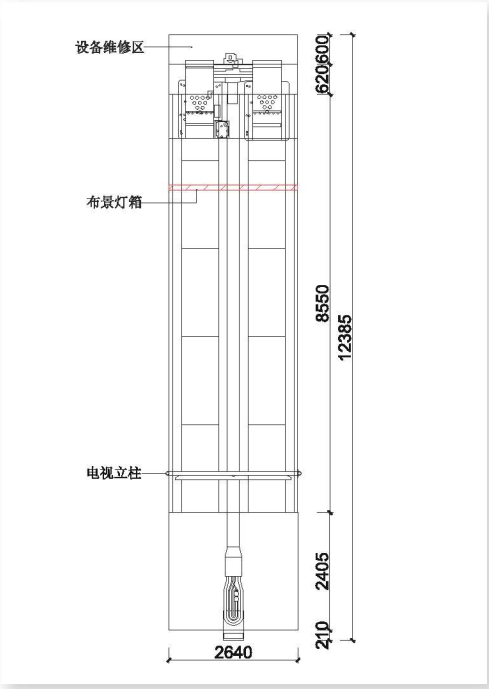
瑞德森迷你保龄球道具有占地面积小，机械结构简便，低噪音，高速排瓶，零故障运行等特点，大大提高了保龄球馆的单位坪效收益！是一款十分适合儿童及青少年的娱乐项目。同时也是一款非常出色的亲子活动保龄项目。

Red Sun Mini Bowling Equipment have the characteristics of small footprint, simple mechanical structure, low noise, high-speed pinning, and zero-fault operation, which greatly improves the per unit area efficiency of the bowling alley! It is a very suitable entertainment project for children and teenagers. It is also an excellent bowling project for parent-child activities.



瑞德森迷你保龄球道
Red Sun Mini Bowling Lane

平面图 / Plan



迷你保龄二道平面图/Mini Bowling 2 Lanes Floor Plan

耗电量/Power Consumption：1.4 KW 220V/Lane (道)

待机状态/Attract Mode:0.25KW



北京瑞德森迷你保龄设备
Beijing Red Sun Mini bowling machine



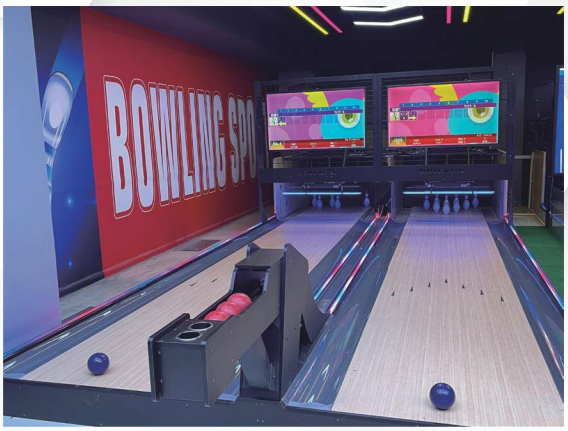




03
Duckpin保龄设备
Duckpin bowling equipment

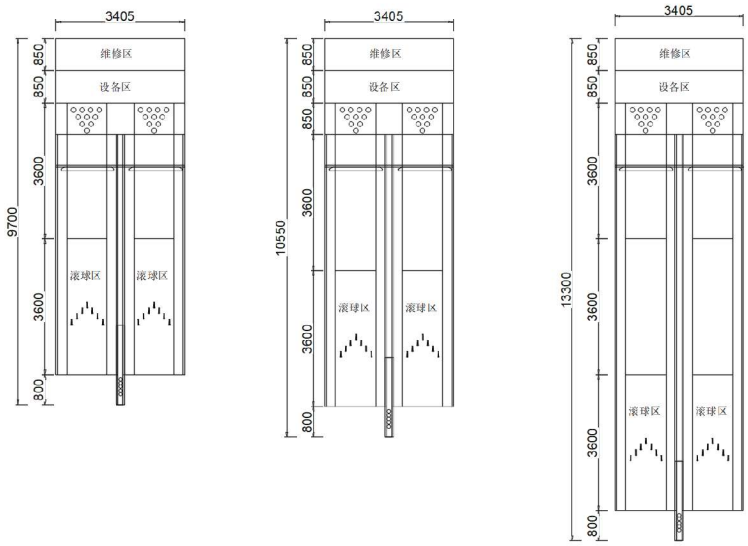
瑞德森Duckpin保龄球道特别适合空间狭小，没有足够空间安装成人球道的场所。比如：酒吧，咖啡厅，啤酒俱乐部，小型潮玩馆，轰趴室，娱乐中心等。同时具备机械结构简便，低噪音，高速排瓶，零故障运行等特点！

Red Sun Duckpin Bowling Equipment is especially suitable for venues that have little space and not enough room to install adult Bowling lanes. For example: Bars, Cafes, Beer clubs, small hipster playgrounds, party rooms, recreation centers, and so on.At the same time with simple mechanical structure, low noise, high-speed bottle discharge, zero fault operation and other characteristics!





平面图 / Plan



Duckpin保龄二道平面图/Duckpin Bowling 2 Lanes Floor Plan
耗电量/Power Consumption：1.4 KW 220V/Lane (道)
待机状态/Attract Mode:0.25KW



04

移动靶射箭设备
Moving target archery equipment

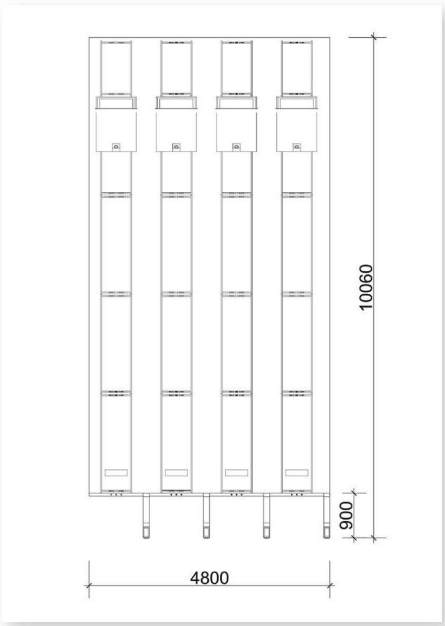
瑞德森生产的移动靶射箭设备，具有靶车运行稳定，箭靶结实耐用，积分准确，移动箭靶装置自动充电等特点。

The Moving target archery equipment produced by Redsun has the characteristics of stable operation of the target carts, strong and durable target,seriously Scoring, and automatic charging of the mobile target device.

移动靶射箭设备含有箭靶，靶车，靶车充电器，轨道，射箭位置挡，射箭位置格栅，积分显示器，弓，箭，靶纸等。

Moving target archery equipment includes archery targets, target carts, target cart chargers, tracks, archery position blocks, archery position partition columns, Scoring Screen, bows, arrows, target paper, etc.

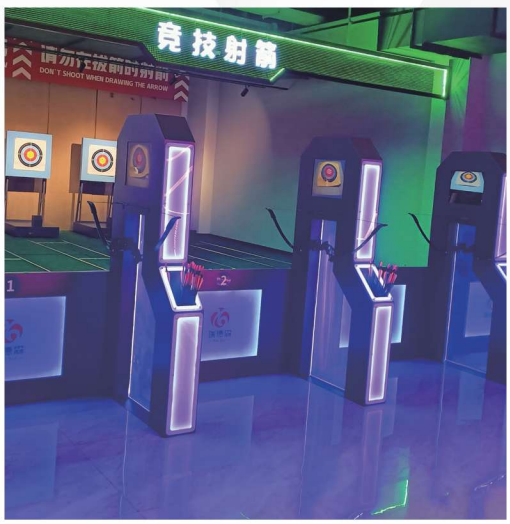
平面图 / Plan



移动靶射箭平面图 / /Moving target archery Floor Plan

耗电量 / Power Consumption：0.5KW/Lane(道)

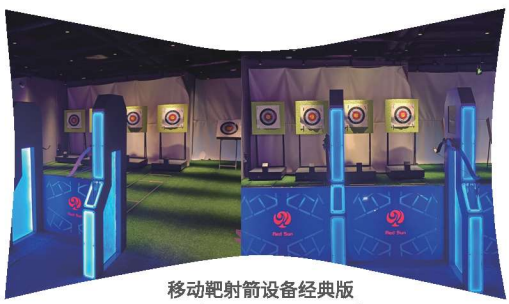
电压 / Voltage:220V



移动靶射箭设备经典版
Moving Target Archery Equipment Classic Version



移动靶射箭设备
Moving Target Archery Equipment



移动靶射箭设备经典版
Moving Target Archery Equipment Classic Version



移动靶射箭设备新款
New Moving Target Archery Equipment

05
实弹胶丸射击
Pneumatic pellet shooting

整套射击系统包括靶箱、箭靶、箭靶气动装置、靶箱装饰贴纸；橡胶弹丸回弹系统、回弹支撑架、回弹板；射击系统框架、支撑箱、支撑杆、计分显示装置、射击系统保护框、保护框装饰卡和射击枪。

The whole set shooting system include Target Case,Target,air drive device for the target,Target Case decoration sticker; Rubber pellet return slop system, Slop support frame,slop panel;Shooting system Frame, Support Case,-Support rod,Scoring show device, Shooting system protection frame,protection frame decoration Card and Shooting Gun.

气动胶丸射击系统是一种令人上瘾的实弹射击游戏，适合所有年龄段的人。

Air operated Rubber Pellet Shooting system is an addictive live-fire shooting game suitable for people of all ages.

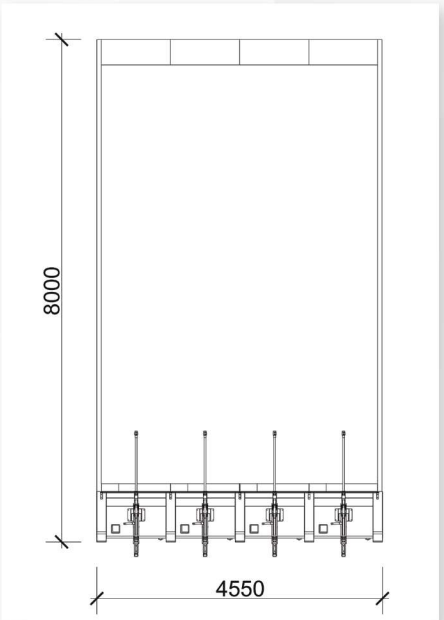
它能模拟真实的后坐力，子弹具有强大的射击威力，子弹击中目标的声音令人震撼。

It simulates real recoil, bullets have strong shooting power, and the sound of bullets hitting the target is shocking.







平面图 / Plan

实弹胶丸射击平面图
Pneumatic pellet shooting Floor Plan
耗电量
Power Consumption：0.8KW/Lane(道)
重量/Weight：220 KG/Lane(道)
电压/Voltage:220V

06

数字棒球
Simulated field baseball pitching machine



数字棒球可以让您体验室内棒球运动的乐趣。它采用三维技术捕捉全方位的棒球。

Digital simulated baseball allows you to experience the fun of playing baseball indoors. It uses three-dimensional technology to capture all-round baseball balls.

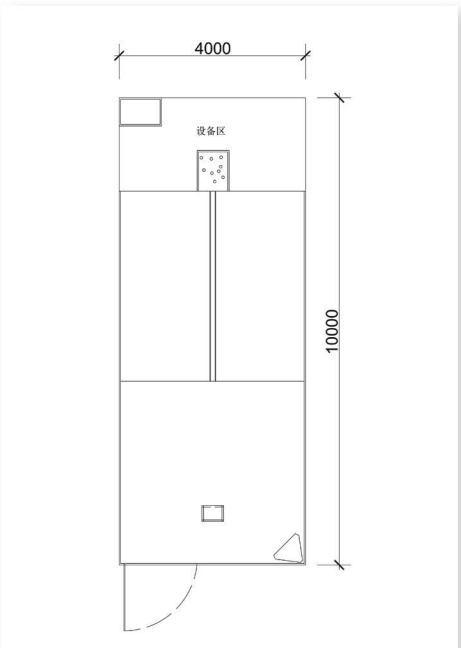
投影屏幕模拟了棒球在球场上被击中的轨迹。您可以在室内身临其境地体验棒球的魅力。

The projection screen simulates the trajectory of a hit baseball on the field. You can experience the charm of baseball immersively indoors.

这项运动现在在综合运动场所和娱乐中心非常受欢迎。

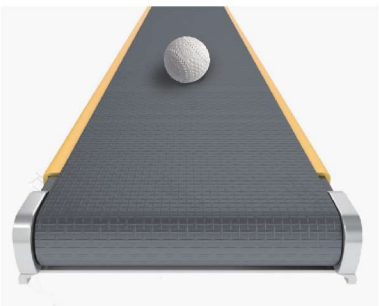
This sport is very popular at multi-sport complexes and entertainment centers now.







JET 棒球
JET Baseball



回球带装置
Ball Return Belt Device

平面图 / Plan

数字棒球平面图/Simulated field baseball pitching machine Floor Plan

耗电量/Power Consumption：3 KW

电压/Voltage:220V

07
数字足球
Football Robot Keeper

机器人守门员是一种配备人工智能的守门员机器人，可以自动扑球。
Robot goalies are goalie robots equipped with artificial intelligence that can automatically pounce on the ball.

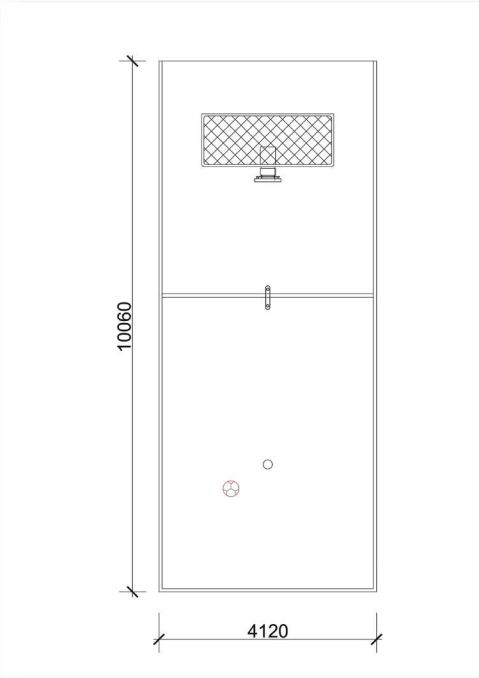
自动守门员机器人既可用于专业足球训练，也可用于娱乐游戏市场。
The Automatic Goalkeeper Robot can be used for professional soccer practice or for the recreational gaming market.

它可以安装在游乐园、度假村、游乐区、海滩、旅游景点、游轮和其他室内外场所。
It can be installed in amusement parks, resorts, play areas, beaches, tourist attractions, cruise ships and other indoor and outdoor locations.

机器人守门员的动作是通过高速摄像机捕捉足球的运动轨迹实现的。
The robot goalkeeper's movement is based on a high-speed camera that captures the trajectory of the soccer ball.

然后计算机会对其进行高速处理，指挥守门员机器人做出即时的单次扑救反应。
It is then processed at high speed by that computer to direct the goalie robot to make an instantaneous one-save response.





平面图 / Plan

数字足球平面图/Football Robot Keeper Floor Plan
耗电量/Power Consumption: 4.5KW/set(套)
电压/Voltage:380V 三相电/Three phase Power supply

08

光格大战
Jumping LED light Grid

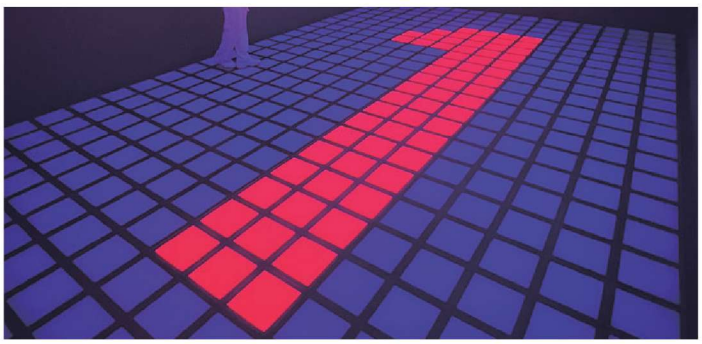
开发逻辑是通过灯光、音乐节奏和游戏关卡设置的变化，不断改变方块的移动方向。

The development logic is to constantly change the direction of movement of squares through changes in lighting, music rhythm, and game level settings.



游戏以 LED 地砖灯为基础，规则非常简单。玩家需要避开红色格子，然后踩到随机出现的蓝色格子上。绿色格子是安全岛，游戏难度逐渐升级。

Based on LED floor tile lights, the rules of the game are very simple. Players need to avoid the red grids and then step on the blue grids that appear randomly. The green grid is a safe island, and the difficulty of the game gradually escalates.

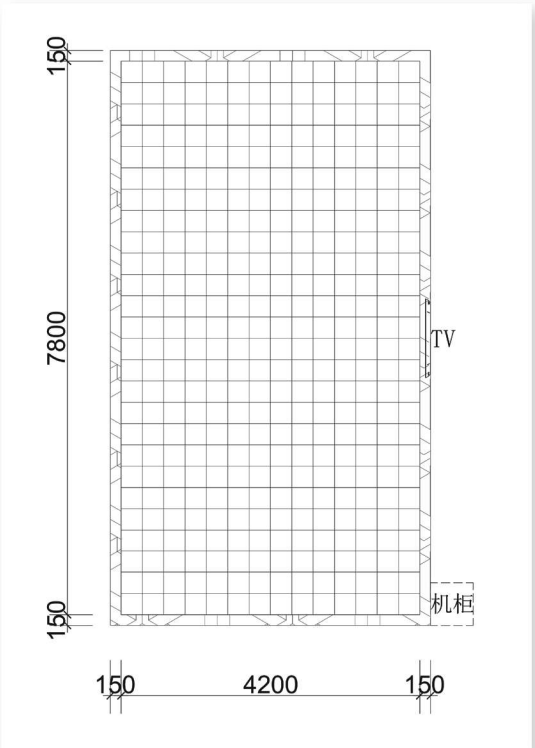


平面图 / Plan

光格大战平面图/Jumping LED light Grid Floor Plan

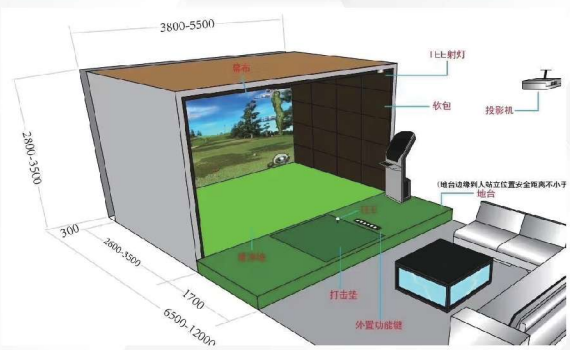
耗电量/Power Consumption：5 KW

电压/Voltage:220V



09
模拟高尔夫 / Simulate Golf









室内高尔夫模拟器是一种模拟真实高尔夫球场的游戏设备。它通常由一个室内模拟器，一个模拟球场和一台电脑组成。模拟高尔夫有多种玩法，相比枯燥的练习场训练更具有乐趣。

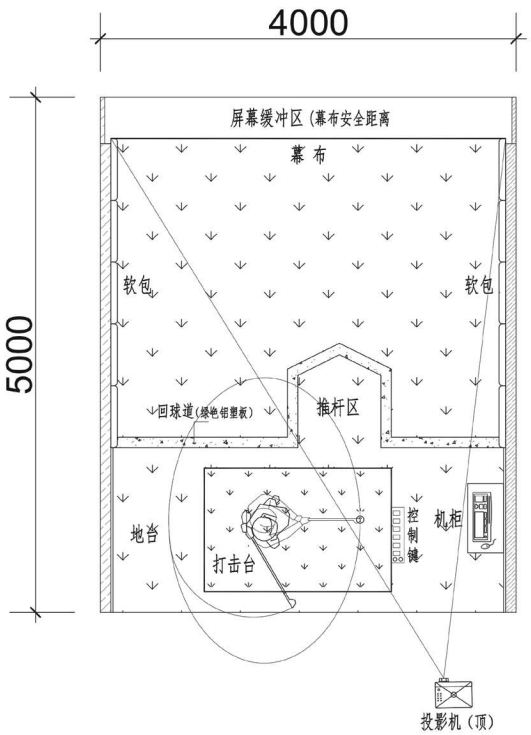
Indoor golf simulator is a gaming device that simulates the real golf course.It usually consists of an indoor simulator, a simulated court and a compuer. Simulate Golf can be played in a variety of ways, making it more fun than a boring driving range session.

使用室内高尔夫模拟器是非常简单的。首先，玩家需要准备好所需的高尔夫球杆和球。然后，将球杆连接到室内模拟器上，并将球放置在模拟球场上。接下来，玩家可以通过电脑使用特定的训练软件来控制室内模拟器的行为。通过控制室内模拟器的行为，玩家可以模拟真实的高尔夫球场，以及不同的挥杆方式。

Using an indoor golf simulator is very simple.Firstly, players need to prepare the required golf clubs and balls.Then, the club is attached to the indoor simulator and the ball is placed on the simulated court.Next, the player can control the behaviour of the indoor simulator through the computer using specific training software.By controlling the behaviour of the indoor simulator, players can simulate a real golf course, and different swings.

模拟高尔夫具有造价低、使用空间小、运行成本低、不存在安全问题、方便升级换代等优势。现已成为高球爱好者的新宠，正在世界各地广泛流行起来。

Simulated golf has the advantages of low cost, small use of space, low operating costs, no safety issues, easy to upgrade.It is now a new favourite among golfers and is becoming widely popular around the world.

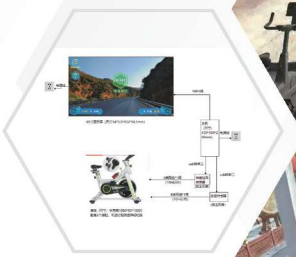


平面图 / Plan

模拟高尔夫平面图/Simulate Golf Plan
耗电量/Power Consumption：3KW
电压/Voltage:220V

10

沉浸式竞技骑行
Immersive Competitive Cycling







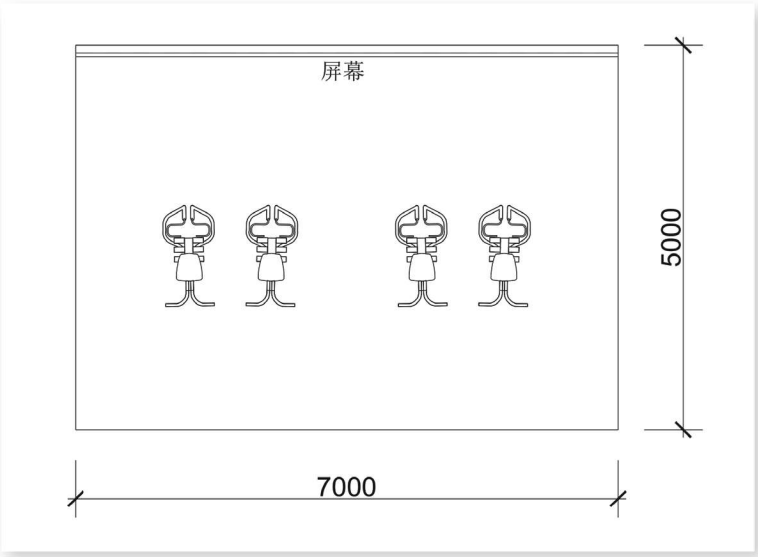


室内自行车锻炼是一种受欢迎的健身方式，可以在狭小的空间内进行。沉浸式竞技骑行则增加了趣味性，有多种虚拟效果可以选择。

Indoor cycling workouts are a popular form of fitness that can be done in tight spaces. Immersive competitive cycling adds to the fun, with a variety of virtual effects to choose from.

富有节奏的音乐和炫彩的动画可以让玩家沉浸在骑行的乐趣中。现在有越来越多的人尝试并喜欢上这项运动。

Rhythmic music and colourful animations can immerse players in the fun of riding. More and more people are now trying and enjoying the sport.



平面图 / Plan

沉浸式竞技骑行平面图

Immersive Competitive Cycling Floor Plan

耗电量/Power Consumption：3KW

电压/Voltage:220V

11
红外激光打靶设备
Infrared simulation shooting system

红外激光打靶设备适用于步枪打靶、汽步枪打靶、手枪打靶练习。

This equipment is suitable for rifle target shooting, steam rifle target shooting and pistol target practice.



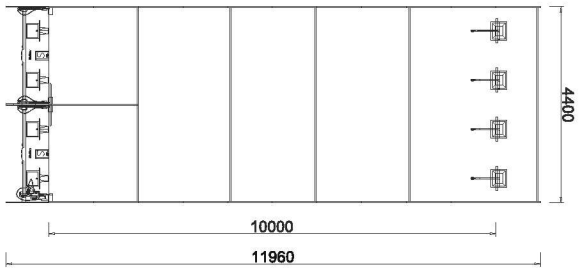


本游戏可单人练习、可四人联机比赛。内容既有规则中的专业性，又有游戏中的娱乐性，当正中靶芯时，还有帅气回放特写！

This game can be practiced by a single player and can be played by four players. The content is both professional in the rules and entertaining in the game, and there is also a handsome replay close-up when you hit the bull's-eye!

交互系统的特点：响应时间快，判断精准，无线接收不漏靶，安装方便，可携带。

Features of the interactive system: fast response time, accurate judgment, wireless reception without missing targets, easy to install and portable.



平面图 / Plan

红外激光打靶设备平面图

Infrared simulation shooting system floor plan

耗电量/Power Consumption：2000W

电压/Voltage:220V

12
激光狩猎/Laser Hunting

激光狩猎设备是现在综合潮玩馆非常流行的项目之一,具有占地面积小,游戏种类多样的优点.包含狩猎怪兽;打飞碟;打水果等多种游戏模式.可根据场地大小设计制作4人位或者8人位机台设备。

Laser hunting equipment is one of the most popular items in the comprehensive trendy play hall. It has the advantages of small footprint and a variety of game types. It includes hunting monsters, shooting flying saucers, shooting fruits and other game modes. It can be designed and manufactured according to the size of the venue for 4 or 8 people.

枪械具有拟真后坐力反馈,给予玩家真实的打击感.更有3种不同枪械可供选择!

The firearms have realistic recoil feedback, giving players a realistic sense of impact. There are 3 different firearms to choose from!











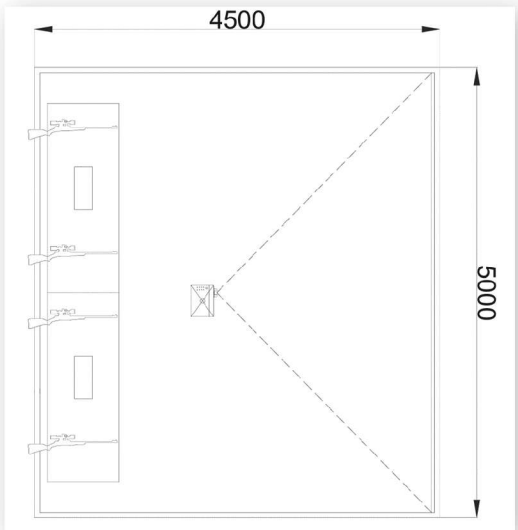


平面图 / Plan

激光狩猎平面图/Laser Hunting Floor Plan

耗电量/Power Consumption:1500W

电压/Voltage:100-240V



12
室内攀岩机
Indoor rotating rock climber





室内攀岩一出现就受到人们的喜爱。在国外，一些中、小学生甚至将室内攀岩列入体育训练的课程之中。室内攀岩机可以在室内进行攀岩技术的训练，难易程度可随意控制，训练时间比较机动。

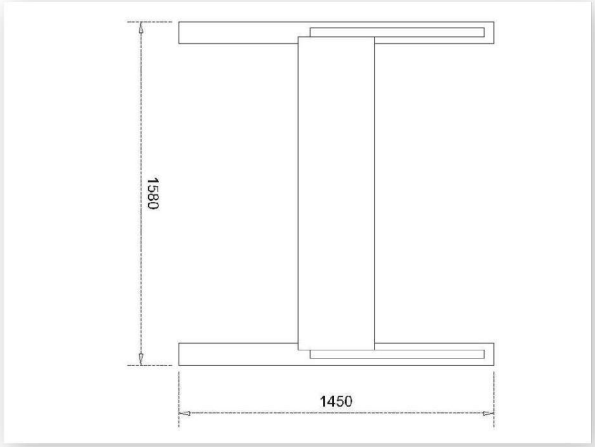
Indoor rock climbing has been loved by people as soon as it appeared. In foreign countries, some primary and secondary school students even include indoor rock climbing in their sports training programs. Indoor rock climbing machine can be indoor climbing technology training, the degree of difficulty can be arbitrarily controlled, the training time is more mobile.

设备采用节能静音马达。空载时约50dB，攀岩时约60dB。

The machine is equipped with an energy-saving silent motor. It is about 50dB when unloaded and 60dB when climbing.

操作界面简洁易懂，可轻松上手，攀岩速度能够任意选择。

The operation interface is simple and easy to understand, can be easily started, climbing speed can be selected at will.



平面图 / Plan

室内攀岩机平面图
Indoor rotating rock climber Plan
耗电量/Power Consumption：150W
电压/Voltage:100-240V

微信 / Wechat

Whatsapp

北京瑞德森保龄科技有限公司
Beijing Red Sun Bowling Technology Co ., Ltd

地址：北京市大兴区天华大街9号院
Add:No.9 Yard,Tianhua Street,Daxing District,Beijing,China

手机号码: 0086 10 89256937　0086 13717769542
Tel: 0086 10 89256937　0086 13717769542

网址:www.redsunbowling.com
Website:www.redsunbowling.com