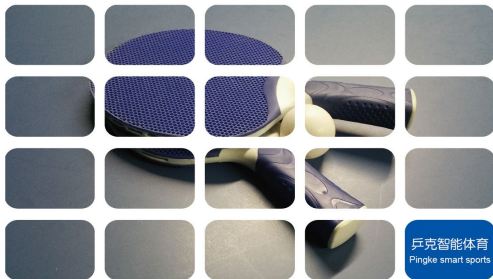


精
准
从 现 在 开 始...



乒克智能体育
Pingke smart sports

PINGKE 

承载国球经典 领袖乒乓训练

Carrying the national table tennis classic
Leading table tennis training



天津利克奥德乒乓智能训练系统科技有限公司
Tianjin Lekord (利克奥德) Table Tennis Intelligent Training System Technology Co., LTD.
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乒克 PINGKE

和它承诺的一样
高效便捷

as efficient and convenient
as it promises



乒乓球智能训练机

满足您迅速提升的……

Table tennis intelligent training
machin

Help with your rapid
improvement.....



乒克乒乓球智能训练 PINGKE

Table tennis intelligence training

天津利克奥德乒乓智能训练系统科技有限公司，隶属于天津九极集团的专业体育智能公司，品牌是“乒克”，乒克智能体育训练器械，以设计为先导，以科技为武器，以智能为高度，以训练为目的，采用云端大数据为支撑，手机端控制技术，融合了数据网络化系统和模块化结构，并利用最有效的自检程序，使智能系统灵活精确，高效合理。

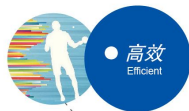
为适应培训机构、专业队伍、各类学校、各种场馆、专业运动员、乒乓爱好者、初学者等不同需求，乒克产品经过大量的调研和试训，内置完整的训练系统体系，设计师与专业教练建立良好的沟通体系，会不断更新设计风格，不断升级训练体系，成功满足国球在基础训练、逐步发展、专业的理想选择对象，以完美可靠的产品、极具竞争力的品质和高效的服务，为客户创造独一无二的价值！

Tianjin Lekord (利克奥德) Table Tennis Intelligent Training System Technology Co., LTD. is a professional sports intelligent company affiliated to Tianjin Jiuji Group. With the brand "Pingke", our equipment is designed to be highly technological, intelligent and training-targeted. It uses cloud big data to support mobile terminal control technology, combining the data network system and the modular structure. And it uses a most effective self-check program to make it flexible, accurate, efficient and reasonable.

Pingke products are designed to meet the needs of training agencies, professional teams, various schools, venues, professional athletes, ping-pong enthusiasts, beginners and so on. Our products have gone through a number of research and trial trainings to have a complete training system built in them. Designers have established good communication with professional coaches in order to constantly update the design style and the training system, making Pingke an ideal for basic training and gradual development. Pingke is striving to create unparalleled value for customers with its reliable products, competitive quality and efficient service.

五大性能

Five Major Advantages



● 高效 Efficient

云端大数据网络系统中，微处理芯片遍布训练机的结构内，已实现对整个系统进行高效的控制。每台训练机的微处理器专门设计调试，极大高效完成指令动作：

In the cloud big data network system, the micro-processing chip is spread throughout the structure of the training machine, which has realized the efficient control of the whole system. The microprocessor of each training machine is specially designed for debugging, which can complete the instruction with high efficiency.



● 系统 System

唯一的从零开始的系统训练方法，利用手机APP云端大数据控制，植入初级到高级的系统模式。具有强大的晋级功能：

Ours is the only systematic training method that starts from scratch. It uses the cloud big data control of mobile APP, and implants a system mode from the primary level to the advanced level to provide powerful promotion.



● 灵活 Flexible

云端大数据功能强大，对每台训练机设备进行配置，手机APP令系统的功能和操作更加简单化，从而能迎合不同用户的需求：

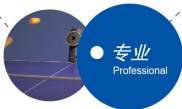
The powerful cloud big data configures various training machines. The mobile APP simplifies the functions and operations of the system, so as to meet the needs of different users.



● 可靠 Reliable

云端大数据需连接数台训练机，确保了高性能。在每台微处理器配备诊断程序并设置备份系统，进一步提高系统的可靠性和安全性：

Cloud big data connects several training machines to ensure high performance. Each microprocessor is equipped with a diagnostic program and a backup system to further improve the reliability and security of the system



● 专业 Professional

多年专业乒乓球教练的系统开发和实践，结合国球的专业训练方法，循序渐进训练模式，专业的软硬件设计，独一无二移动功能：

We have the systematic development and practice of table tennis coaches with years of professional experience. We employ the professional training methods and a step-by-step training mode provided by special software and hardware design to offer unique mobile functions.

云端网络控制系统

Cloud network control system

先进的云端数据网络化

Advanced cloud data networking

- 网络化、模块化智能型控制
Networked, modular intelligent control
- 可控制、记录、远程访问、远程参数设置
Parameter setting to be controlled, recorded, accessed remotely
- 通过APP全程控制
Whole process controlled through the APP
- 云端后台大数据管理
Cloud background big data management
- 教练员、运动员训练的信息管理
Information management of coaches and athletes' training
- 全系统训练信息数据管理
Systemwide training information and data management
- 参考视频训练功能
Training video for reference
- 最大的可靠性
Maximum reliability provided
- 自动编写教程功能
Self-authoring tutorial provided

APP控制系统

APP control system

- 功能强大的云端处理器，数据处理高效实时
Powerful cloud processor, efficient and real-time data processing
- 实现系统训练功能
Systematic training realized
- 全网控制
Whole network control
- 强大的升级空间
Great upgrade space
- 齐全的功能满足不同用户需求
Complete functions to meet the needs of different users

智能机 大智慧--乒乓球智能训练机

Smart machine, great wisdom - table tennis intelligent training machine

先进的云端数据网络化

Overview of table tennis intelligent training machine

除采用智能高效的控制系统外，训练机采用国乒的训练特点，内置初级到高级的全部训练课程，系统化、渐进化、专业化，设计灵活，满足不同需求，也是考级、设定标准的必备器械。

In addition to the employment of the intelligent and efficient control system, the training machine adopts the training characteristics of China's national table tennis team.

All the training courses from the beginning to the advanced level are built systematically, progressively and professionally. With a flexible design and an aim to meet different needs, it is also the necessary equipment for grading test and setting standards.



小智慧 大用处

--乒乓球落点计数器--出球测速器

Small wisdom, great use - table tennis drop counter - serve speedometer

- 训练更高效
More efficient training
- 落点更精准
More precise placement
- 考级更需要
More necessary for grading tests
- 中考定标准
Standard set for tests
- 练习更趣味
More fun in practice
- 打点更刁钻
More trickier placement

训练系统 专业便捷

Professional and convenient training system

- 零基础起步，循序渐进
Start with zero and make gradual progress
- 专业性教程，科学合理
Professional, scientific and reasonable course
- 技巧和技术，同时掌握
Skills and techniques at the same time
- 素质和速度，齐头并进
Quality and speed go hand in hand
- 灵敏和协调，由繁到简
Sensitive and coordinated, from complex to simple
- 合理和规范，快速提升
Reasonable, standard, rapid improvement
- 时间和强度，准确安排
Accurate arrangement of time and intensity

功能列表

List of functions

证书

Certificates

数据传输	Data transfer
数据反馈	Data feedback
APP控制	APP control
远程控制	Remote control
上旋球控制	Topspin control
下旋球控制	Underspin control
左侧旋球控制	Left spin control
右侧旋球控制	Right spin control
短球控制	Short ball control
长球控制	Long ball control
高抛球控制	High throw control
出球速度控制	Ball speed control
出球频率控制	Ball frequency control
左右移动控制	Left-right movement control
计数控制	Counting control
开机提示音	Power-on prompt tone
故障检测功能	Fault detection
警铃故障自动断电	Alarm failure auto power off
故障提示音	Trouble prompt tone
训练系统显示	Training system display
训练系统选择	Training system selection
训练时间提示	Training time reminder
左右手转换	Left-right-hand switching
场馆管理	Venue management
训练机管理	Trainer management
使用者管理	User management
信号反馈	Signal feedback
会员注册	Member Registration
开关按钮	Switch button
安全回路保护	Safety loop protection
限位保护	Limit protection
抗干扰保护	Anti-interference protection
缓冲保护	Buffer protection
视频管理	Video management



贴心服务

Thoughtful service

标准化: Standardized

指定服务标准，统一服务规范。服务教练员和工程师在上岗前都经过严格系统的技术培训和规范培训。
We have uniform service standards and our service coaches and engineers have undergone strict and systematic technical training and service standard training before taking up their posts.

专业化: Specialized

组建专业的售后服务团队，整个服务团队，有着解决售后服务问题和解决问题的深厚经验。教练员都有多年的教练经验；服务工程师都经过专业化、规范化的严格培训且考核合格才能上岗。
Our after-sales service team have profound experience in solving relevant problem. Our coaches have years of coaching experience; Service engineers all have undergone professional and standardized training and examination.

个性化: Personalized

根据不同客户的服务需求制定售后服务方案、服务内容，个性化、多样化满足不同需求。
After-sales service plan and service content are made according to the demand of customers to meet different needs with individualization and diversification.

层次化: Stratified

不同的用户就有不同的层次，就有不同需求，分层次满足不同用户的层次需求，以用户满意为衡量标准。
Users have diverse levels. We provide stratified service to meet the satisfaction of different users.

用心 Diligence

对每个用户的认真管理，用心服务
We provide earnest management of each user and careful service.

天心 Care

保持在微信公共平台随时联系，及时发布相关信息
We keep users posted on WeChat public platform by releasing relevant information in time.

安心 Peace of mind

坚持系统的有效升级，扩大服务网络
We keep the effective upgrading of the system and expand our service network.

各电机参数

Parameters of each motor

出球电机	Serve Motor	空载转速No Load Speed 负载力矩 Load Torque 转向间隙 Steering Clearance	11250r/min 210g.cm 0.18mm
侧旋电机	Sidespin Motor	减速比Gear Ration 步进角Step Angle 启动转矩Pull in Torque	30:1 7.5° 30N.cm
俯仰角电机	Pitch Angle Motor	空载转速No Load Speed 控制角度Running Degree 控制精度Dead Band Width	0.16sec/60° 180° 3μsec
摆头电机	Rotary Motor	步距角Step Angle 静力矩Holding Torque 转子惯量Detent Torque	1.8° 0.55N.m 250q.cm2
上球电机	Loading Motor	空载转速No Load Speed 负载力矩 Load Torque	160 r/min 260g.cm
滑轨电机	Slide Motor	步距角Step Angle 静力矩Holding Torque 转动量 Rotor Inertia	1.8° 12kg.cm 360g.cm2

每个档位的电机转速

Motor speed of each level

第一档	Level one	2003 r/min
第二档	Level two	2670 r/min
第三档	Level three	3405 r/min
第四档	Level four	3977 r/min
第五档	Level five	3628 r/min
第六档	Level six	4205 r/min
第七档	Level seven	4845 r/min
第八档	Level eight	5880 r/min
第九档	Level nine	6624 r/min
第十档	Level ten	7304 r/min