

FOOTWORK LAB[®]

Industry Solutions

行业解决方案

步态健康全场景解决方案

Gait Health Full Scenario Solution

AI + 医疗双轮驱动 | 自主研发 + 专利技术 | OMO全域生态

AI + Medical Dual-Engine Driven · Independent Research & Development + Patented Technology · OMO Omni-channel Ecosystem

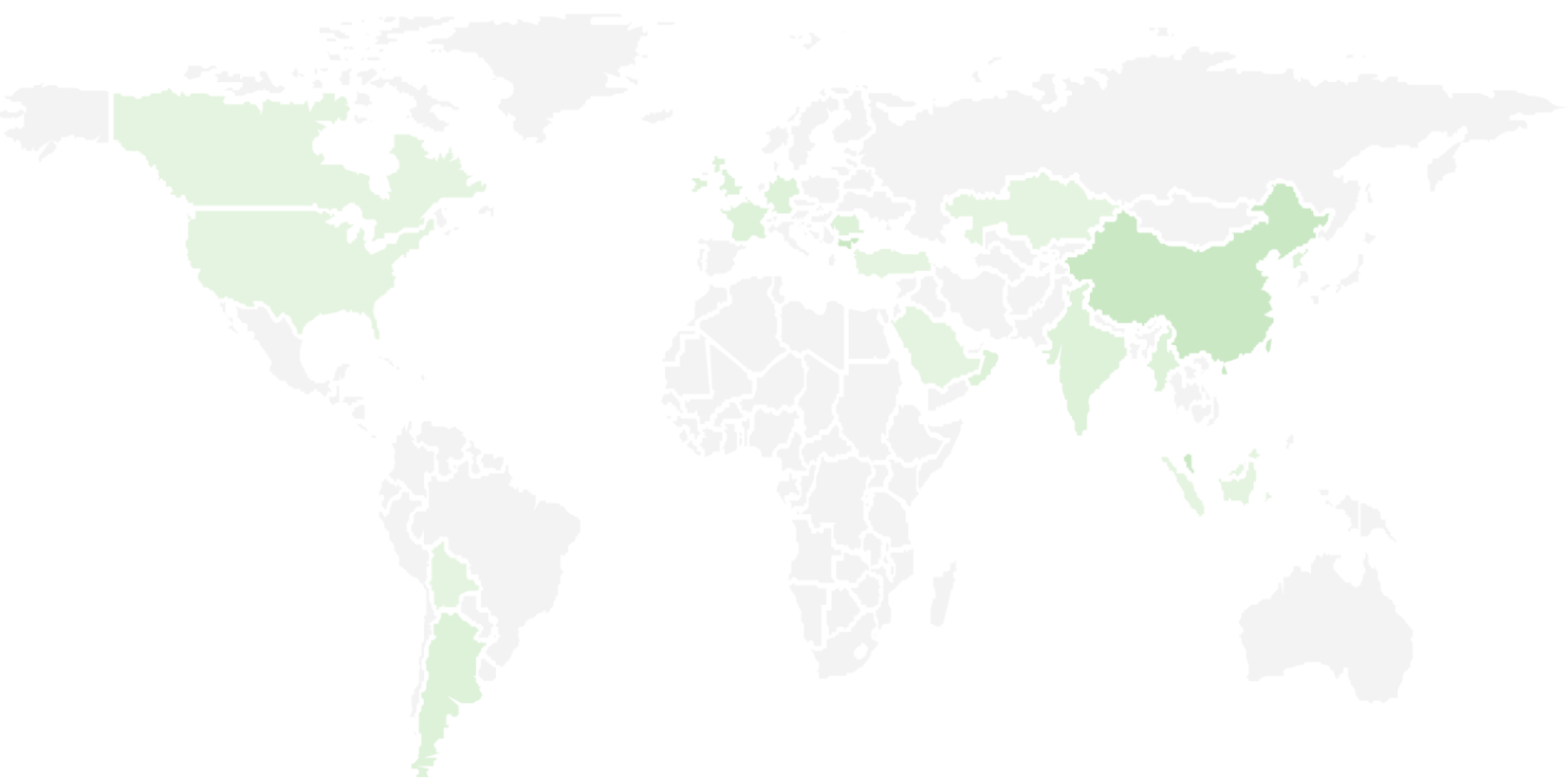
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FOOTWORK LAB®

FOOTWORK LAB 是芯迈数智医疗科技核心品牌，聚焦步态足脊健康领域，以行业领先的自主技术体系以及自有供应链体系，实现AI数智化步态足脊检测系统与定制穿戴耗材产品的深度融合与交付链条闭环，形成完整的用户解决方案及行业解决方案，广泛应用于康复、医疗、健康、运动、儿童青少年步态矫正等场景。

FOOTWork LAB is the core brand of Xinmai SINMEC SMARTMED, focusing on the field of gait, foot and spine health. With an industry-leading independent technology system and its own supply chain system, it achieves deep integration and delivery chain closure of AI smart gait and spine detection system and customized wearable consumables products, forming a complete user solution and industry solution, widely used in rehabilitation, medical, health, sports, children and adolescents gait and posture correction and other scenarios.

SINMEC SMARTMED

芯迈数智医疗科技，全球Ai+柔性织物传感技术领导者，重构医疗与泛智能产业底层感知逻辑。创造全球首个将柔性织物传感模组与AGI技术深度融合的垂直领域解决方案体系，聚焦步态健康评估、矫正及康复，开创智能医疗穿戴与数智化诊疗新品类，重塑医疗与运动健康行业标准，是集数智化研发、产品实现、整合制造、营销服务于一体的医疗科技公司。

SINMEC SMARTMED, a global leader in Ai+flexible fabric sensing technology, reconstructs the underlying perception logic of the medical and pan intelligent industries. Creating the world's first vertical field solution system that deeply integrates flexible fabric sensing modules with AGI technology, focusing on gait health assessment, correction, and rehabilitation, creating new categories of intelligent medical wearables and digital diagnosis and treatment, reshaping the standards of the medical and sports health industry, it is a medical technology company that integrates digital research and development, product realization, integrated manufacturing, and marketing services.

截止2026年4月
已获得授权专利
110+

As of April 2026 the
company applied for a
total of patents 110+



为全球65个国家的运动和康复行业赋能

Serving Medical And Health Institutions In 65 Countries Worldwide

以Ai数智化辅助诊断、定制系统及其配套的耗材类定制产品为主，芯迈解决方案已销往全球65个国家，覆盖足踝科诊所及医院、医足部护理、步态体姿矫正、运动康复、运动教培等行业客户，并已经启动国家级代理的发展。

Based on Ai intelligence assisted diagnosis, customized systems, and related consumables customized products, our machines and insoles has been sold to over 65 countries and regions worldwide, covering industries such as foot clinics, foot care, gait and posture correction, sports rehabilitation, and sports education and training. It has also initiated the development of national level agents.



65国

65+ Countries

医疗及健康机构使用

Used by Medical and Health Institutions

1000名

1000+

专家及医生验证与应用

Expert and Doctor Verification and Application

20万+

200,000+

服务用户超过20万

Serving over 200000 Users

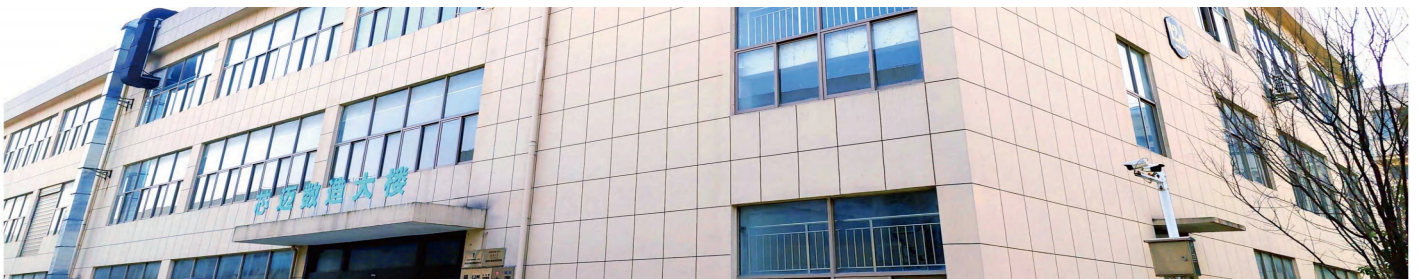


智造基地，品质保障

Intelligent Manufacturing Base, Quality Assurance

作为全球领先的源头工厂，我们依托10000平方米的现代化智慧制造基地，深度融合物联网、大数据与自动化技术，打造从研发到交付的全链路数字化生产体系，为全球客户提供设备组装与鞋垫生产的高效解决方案。

As a leading global source factory, we rely on a modern smart manufacturing base of 100000 square meters, deeply integrating IoT, big data, and automation technologies to create a fully digitized production system from research and development to delivery, providing efficient solutions for equipment assembly and insole production to global customers.



全链智造 Full Chain Intelligent Manufacturing

源头工厂全流程垂直运行，严控品质与成本，灵活响应需求

Vertical integration of the entire process of the source factory, strict control of quality and cost, flexible response to demand



智驱高效 Intelligent Driving With High Efficiency

AI与自动化技术深度融合，实现高精度生产与柔性定制

Vertical integration of the entire process of the source factory, strict control of quality and cost, flexible response to demand



权威认证 Authoritative Certification

国际权威验厂背书，多语言服务能力打破跨国合作壁垒

International authoritative factory certification endorsement, multilingual service capabilities break down barriers to cross-border cooperation



绿色环保 Green And Environmentally Friendly

环保材料应用、低碳办公协同模式，打造绿色环保可持续供应体系

Vertical integration of the entire process of the source factory, strict control of quality and cost, flexible response to demand



智造内核 · 数智根基 Intelligent Manufacturing Core · Deep Analysis

通过物联网中枢实现生产全链路可视化管控，从原料到成品全程精准追溯，奠定零误差制造基石；同时构建客户直连研发体系，依托模块化设计加速"概念-样品-量产"敏捷迭代，精准响应需求。数字化柔性供应链，国内首条功能鞋垫智慧制造产线，结合产业带的供应链整合，实现“千人千面”的数字化柔性定制制造模式。

Realize visual control of the entire production chain through the IoT hub, with precise traceability from raw materials to finished products, laying the foundation for zero error manufacturing; Simultaneously building a customer direct R&D system, relying on modular design to accelerate agile iteration of "concept sample mass production" and accurately respond to requirements. Digital flexible supply chain, the first intelligent manufacturing production line for functional insoles in China, combined with supply chain integration of industrial belts, to achieve a "thousand people, thousand faces" digital flexible customized manufacturing model.

智造实力 · 灼然可见 Intelligent Manufacturing Strength · Clearly Visible



行业深度合作打造足脊健康科技领航者

Industry Deep Cooperation To Build A Leader In Foot And Spine Health Technology

作为全球足脊健康科技领航者，以“筛查-干预-管理”闭环为核心，联动医疗、运动、科研伙伴落地全球方案。AI筛查定位风险，运动防护装备提升效能，3D鞋垫精准适配个体需求，覆盖多场景。基于生物力学与材料创新，数据驱动服务闭环，重塑足部健康标准，融合科技与人文关怀。

The global leader in foot and spine health technology, with a "screening intervention management" closed-loop as its core, collaborates with medical, sports, and research partners to implement global solutions. Ai screening locates risks, sports protective equipment improves efficiency, 3D insoles accurately adapt to individual needs, covering multiple scenarios. Based on biomechanics and material innovation, data-driven service closed-loop, reshaping foot health standards, integrating technology and humanistic care.

全球合作伙伴网络：构建健康科技生态 Global Partner Network: Building a Healthy Technology Ecosystem



全场景解决方案：科技精准触达需求 Full Scenario Solution: Precise Technology to Meet the Needs



Ai检测系统+定制产品，实现完整解决方案

Ai Detection System+customized Products To Achieve A Complete Solution

通过Ai数智化检测系统精准检测足脊数据，基于检测数据定制矫正鞋垫，融合生物力学算法与医疗级材料，适配儿童、运动员及大众的差异化需求，实现“检测-干预”无缝衔接，赋能医疗机构、康复机构、运动场景与家庭场景等，让科技精准守护每一步。

By using Ai intelligent detection equipment to accurately detect foot spine data, customized corrective insoles are made based on the detection data, integrating biomechanical algorithms and medical grade materials to meet the differentiated needs of children, athletes, and the public, achieving a seamless connection between screening and intervention. Two major technological loops empower medical institutions, sports scenarios, and home scenarios, promoting the upgrading of foot and spine health management from personalized services to a global ecosystem, and enabling technology to accurately safeguard every step.

行业级Ai数智化解决方案 Industry level Ai Digitalization Solution



X1便携式足部及
下肢检测系统

X1 Portable Foot and Lower Limb
Detection System



X3足压及力线检测及鞋
垫定制系统

X3 Foot Pressure And Force Line Detection
Insoles Customization System



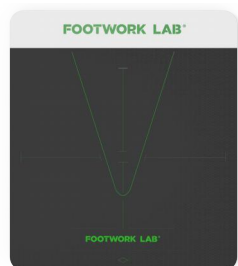
X5足踝及力线检测定制系统

X5 Foot & Posture detection
insoles customization system



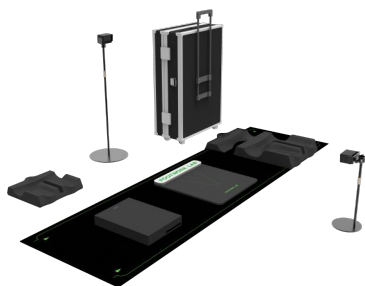
Q1P足踝快筛检测定制系统

Q1P Foot & Leg Detection Insoles
Customization System



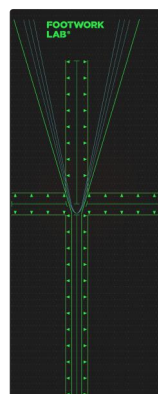
F2足底压力检测系统

F2 Foot Pressure Detection System



FMP足压及体态检测定制系统

FMP Foot Pressure & Posture
Detection Insoles Customization
System



F2-Pro足底压力检测系统-加长版

F2-Pro Foot Pressure Detection System
- Extended Version



F5-LAB 动态步态检测系统

F5-Lab Dynamic Gait Detection&Analysis
System

X1

便携式足部及下肢检测系统

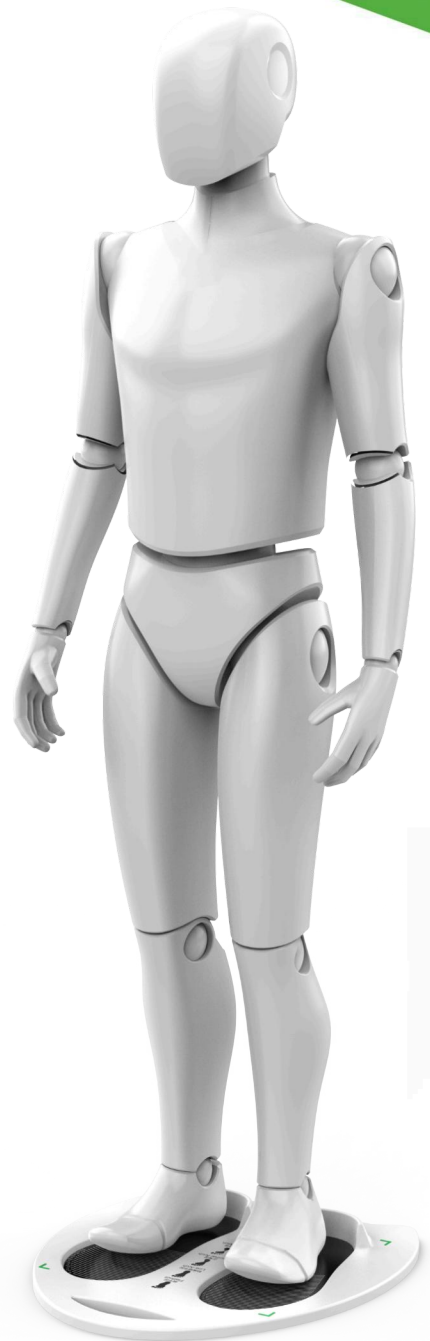
Portable Foot And Lower Limb Detection System

通过温感足印板及专属分析软件，进行数据采集及Ai分析，推荐鞋款，或用于步态健康筛查。

Data collection and Ai analysis are carried out through temperature-sensitive footprints and exclusive analysis software to recommend shoes or for gait health screening.

基于足印数据、下肢力线图片等数据，构建足踝健康数据库。通过大模型分析用户数据，并根据系统录入的鞋款产品信息，进行Ai推荐，同时可用于扁平足风险筛查。

Based on the data of footprint data and lower limb force line pictures, a foot and ankle health database is constructed. User data is analyzed through a large model, and Ai recommendation is made according to the shoe product information entered by the system, which can also be used for flat foot risk screening.





核心功能 Core Functions

- 足弓检测
- 下肢生物力学线检测
- Ai分析与智能推荐
- Foot arch detection
- Lower limb biomechanical alignment detection
- Ai analysis and intelligent recommendation



功能定位 Functional Positioning

- 快速筛查检测
- 动态训练引擎
- 生态互联方案
- Intelligent perception system
- Dynamic training engine
- Ecological interconnection solution



全流程服务 Full process service

- 售前咨询服务

·售后专属技术产品团队对接

·可定制软件系统(单独定制收费)

·售后营销、服务指导

·线上OTA更新
- Pre sales consulting services

·After sales exclusive technical product team docking

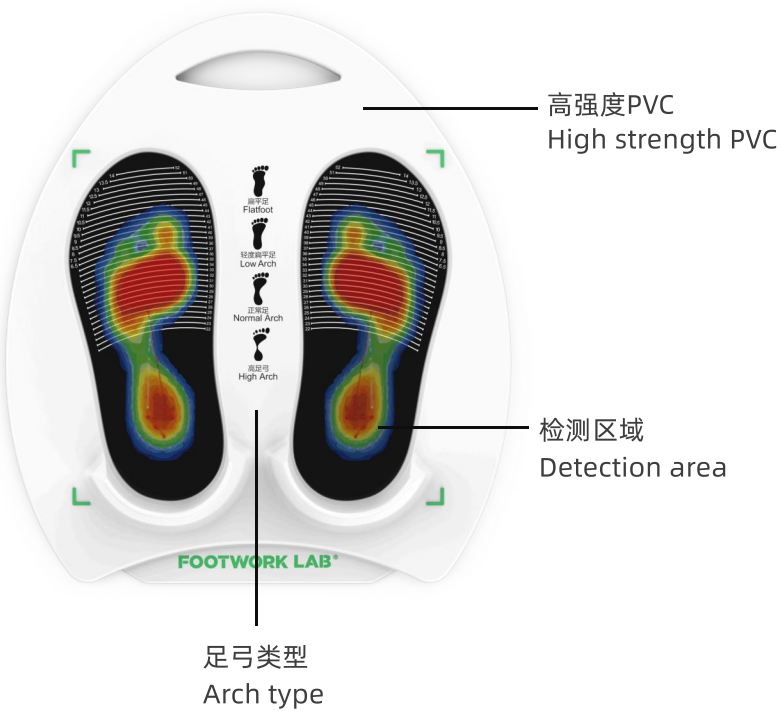
·Customizable software system (charged separately for customization)

·After sales marketing and service guidance

·Online OTA update

设备参数 Device Parameters

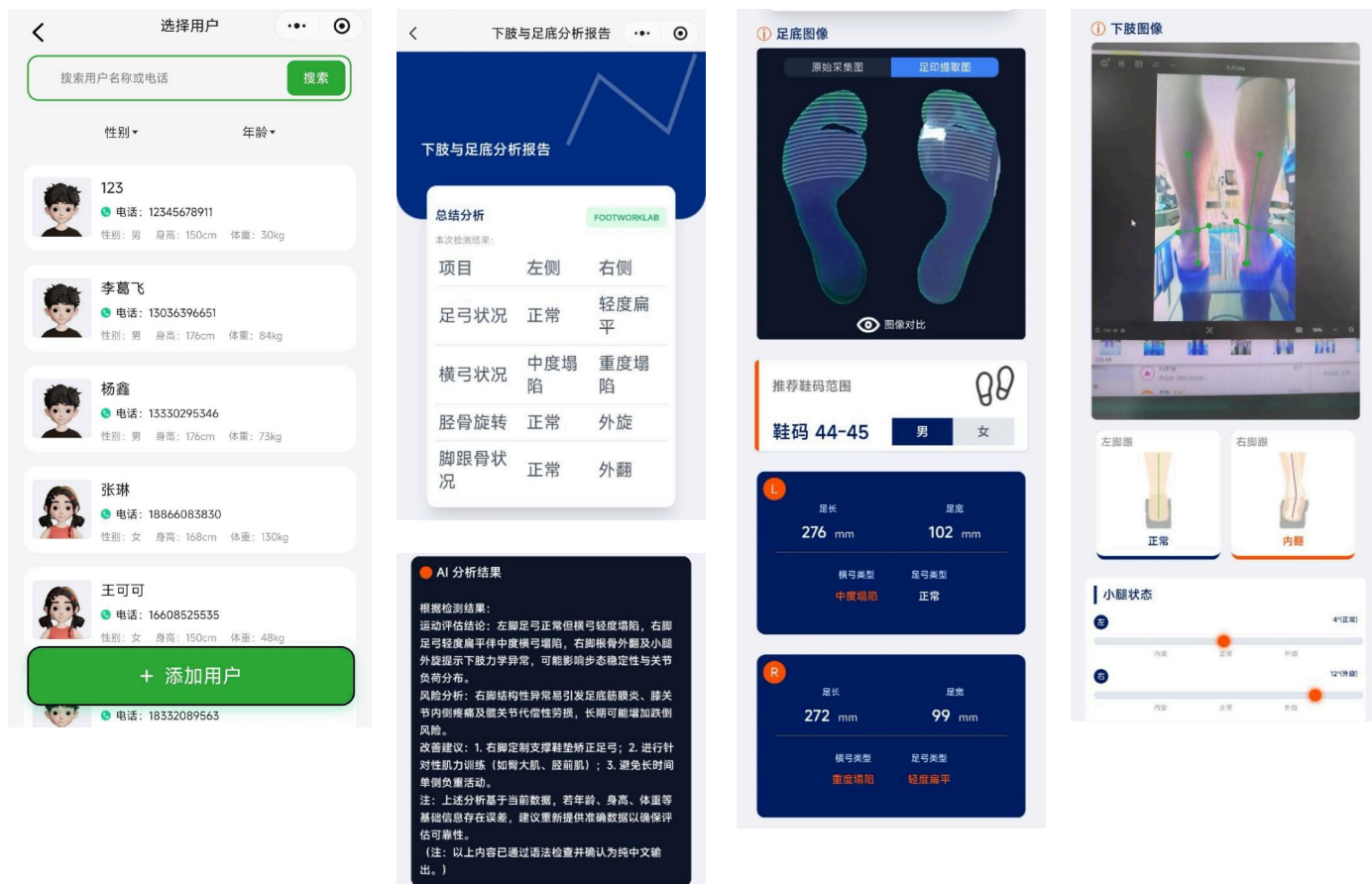
主机尺寸 Host Dimensions:	产品重量 Product Weight	操作系统 Operating System:
460*540*50mm	1.5kg	Web



产品配套清单 Product Equipment Matching List

X1主机	X1 Machine	使用手册/安装说明书	User Manual / Installation Instructions
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系统界面展示 System Interface Display



使用场景 Application Scenario



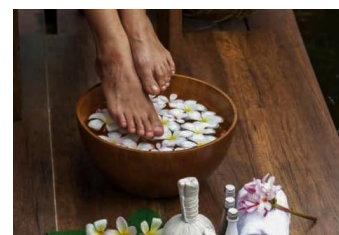
运动培训机构

Sports Training Institutions



体育场

Sports Venue



足疗中心

Foot Therapy Center



鞋业门店

Shoe Store



健身房

Gym



儿童体适能机构

Children's Physical Fitness Institutions



X3

足压及力线检测及鞋垫定制系统

Foot Pressure And Force Line Detection Insoles Customization System

基于足底和下肢力线图片构建数据库，大模型分析数据，Ai推荐鞋

款，配套设备现场定制鞋垫。

Based on foot and lower limb force line images, a database is built;

a large model analyzes the data; Ai recommends shoe models; and

supporting equipment customizes insoles on-site.

基于足底图片、下肢力线图片等数据，构建足踝健康数据库。通过

大模型分析用户数据，并根据系统录入的鞋款产品信息，进行Ai推

荐，同时可通过配套的鞋垫定制设备现场进行鞋垫定制。

Based on foot images, lower limb force line images, and other data,

a foot and ankle health database is built. Through large model

analysis of user data, and based on the shoe product information

entered into the system, Ai recommendations are made.

Simultaneously, custom insoles can be created on-site using the

supporting insole customization equipment.





核心功能 Core Functions

- 足弓检测
- 下肢生物力线检测
- 静态足压检测
- 动态步态检测
- 往返步态视频记录
- 鞋垫定制
- Foot arch detection
- Lower limb biomechanical alignment detection
- Static foot pressure detection
- Dynamic gait detection
- Back and forth gait video recording
- Insoles customization



功能定位 Functional Positioning

- 智能感知系统
- 动态训练引擎
- 生态互联方案
- Intelligent perception system
- Dynamic training engine
- Ecological interconnection solution



全流程服务 Full Process Service

- 售前咨询服务

·售后专属技术产品团队对接

·可定制软件系统(单独定制收费)

·售后营销、服务指导

·线上OTA更新
- Pre sales consulting services

·After sales exclusive technical product team docking

·Customizable software system (charged separately for customization)

·After sales marketing and service guidance

·Online OTA update

设备参数 Device Parameters

主机尺寸 Host Dimensions:	地垫尺寸 Floor Mat Dimensions:	操作系统 Operating System:
180×60×6.5/40 cm	180×60 cm	Windows

- 可支持报告在线打印、现场打印尺寸
- Report Printing: Supports Online Report Printing and On-Site Printing of Specified Sizes



产品配套清单 Product Equipment Matching List

X-3主机	X-3 Machine	压力板	Pressure Plate
安装工具包	Installation Toolkit	扶手	Armrest
使用手册/安装说明书	User Manual / Installation Instructions	定制全套:定型枕套件、加热盒	Customization Tools: Shaping Pillows, Heating Box

系统界面展示 System Interface Display



使用场景 Application Scenario



儿童体能机构
Children's Fitness Centers



足科诊所
Podiatry Clinics



鞋业门店
Shoe Stores



足疗中心
Foot Therapy Centers

X5

足踝及力线检测定制系统

Foot & Posture Detection Insoles Customization System

集足部数据检测、下肢生物力线检测、全身体态检测检测、检测分析与评估、足垫定制为一体的智能场景解决方案。

An intelligent scenario solution integrating foot data detection, lower limb biomechanical alignment detection, full-body posture detection, detection analysis and evaluation, and insole customization.





核心功能 Core Functions

- 足底数据检测
- 全身肢体生物力线检测
- 足踝数据检测
- 体态检测
- Plantar data detection
- Lower-limb biomechanical alignment detection
- Ankle data detection
- Body posture detection



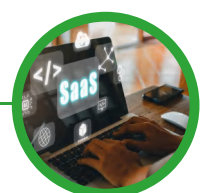
现场定制模块 On Site Customized Module

- 生物力学鞋垫现场定制
- On site customization of biomechanical insoles



核心技术运用 Core Technology Application

- Bodyft Ai 机器视觉识别
- Ai生成式工具
- Bodyft Ai machine vision recognition
- Ai generative tools



全流程服务 Full Process Service

- 售前咨询服务

·售后专属技术产品团队对接

·可定制软件系统(单独定制收费)

·售后营销、服务指导

·线上OTA更新
- Presales consulting services

·Aftersales exclusive technical product team docking

·Customizable software system (charged separately for customization)

·Aftersales marketing and service guidance

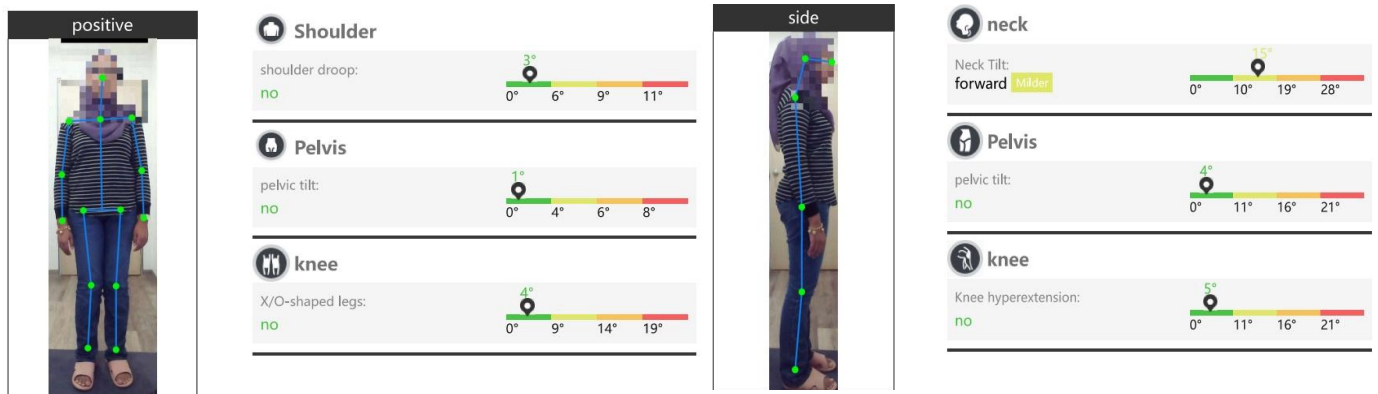
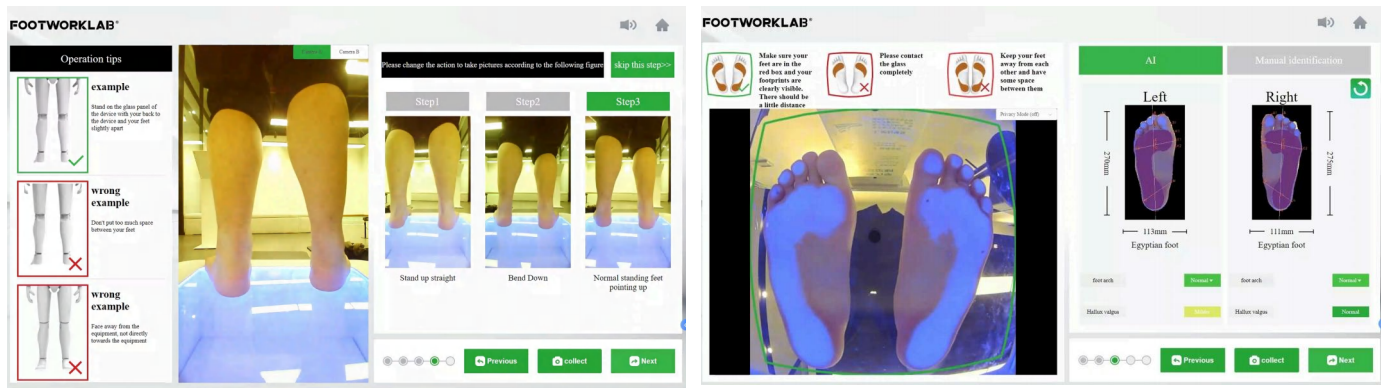
·Online OTA update



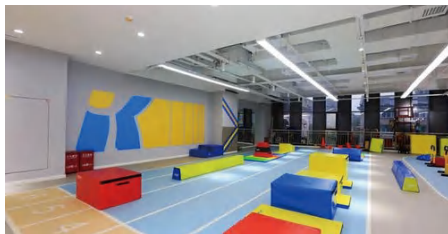
产品配套清单 Product Matching List

设备主机	X5 Machine	地垫	Floor mMat
安装说明书	Installation Manual	可定制磁吸贴纸	Customizable Magnetic sticker
WiFi模块	WiFi Module	校对板	Proofreading Board
三项电源线	Power Cord	设备安装工具包	Equipment Installation Kit
加热盒	Heating box	使用手册	User Manual
鞋垫定制模具一套(成人、儿童、辅助配件)		One Set of Shaping Pillows (Adults, Children and Auxiliary Accessory)	

软件系统展示 Software System Display



使用场景 Application Scenario



运动培训机构
Sports Training Institutions



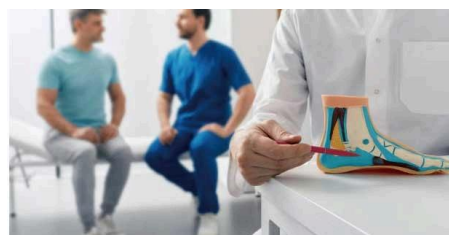
康复医院
Rehabilitation Hospital



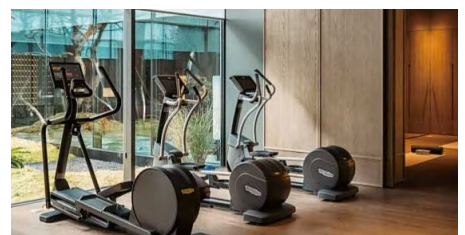
体育场
Sports Venue



鞋业门店
Shoe Store



足科诊所
Podiatry



健身房
Gym

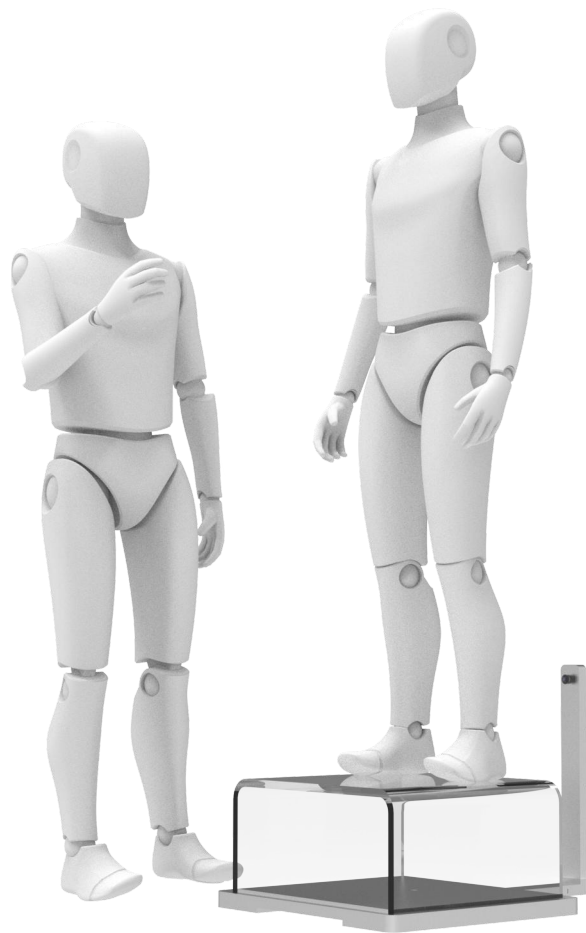
Q1P

足踝快筛检测定制系统

Foot & Leg Detection Insoles Customization System

集足部数据检测、下肢生物力学线检测、鞋垫定制为一体的智能场景解决方案。通过Ai机器视觉检测仪器及专属分析系统件进行快速筛查评估,并根据个体数据实施足垫的现场定制服务。

An intelligent scenario solution integrating foot data detection, lower limb biomechanical alignment detection, and insole customization. It conducts rapid screening and evaluation through Ai machine vision detection instruments and an exclusive analysis system, and provides on-site insole customization services according to individual data.





核心功能 Core Functions

- 足底数据检测
- 下肢生物力线检测
- 足踝数据检测
- Plantar data detection
- Lower limb biomechanical alignment detection
- Ankle data detection



现场定制模块 On Site Customized Module

- 生物力学鞋垫现场定制
- On site customization of biomechanical insoles



核心技术运用 Core Technology Application

- Bodyft Ai 机器视觉识别
- Ai生成式工具
- Bodyft Ai Machine Vision Recognition
- Ai generative tools



全流程服务 Full Process Service

- 售前咨询服务

·售后专属技术产品团队对接

·可定制软件系统(单独定制收费)

·售后营销、服务指导

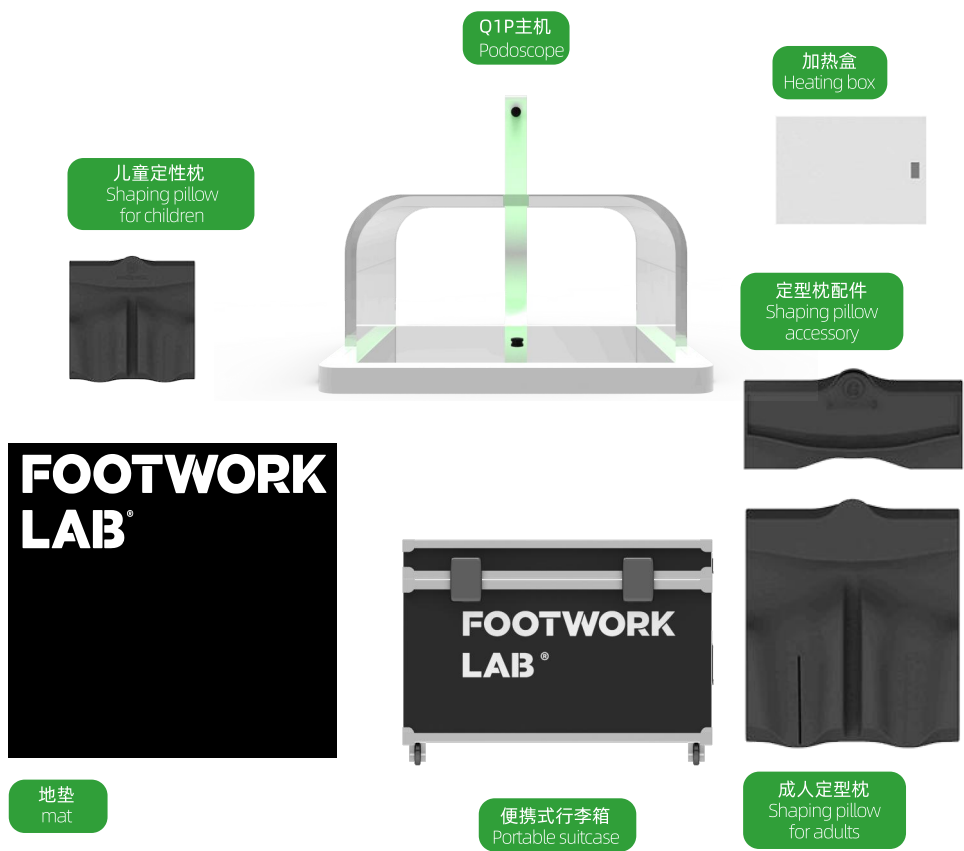
·线上OTA更新
- Pre sales consulting services

·After sales exclusive technical product team docking

·Customizable software system (charged separately for customization)

·After sales marketing and service guidance

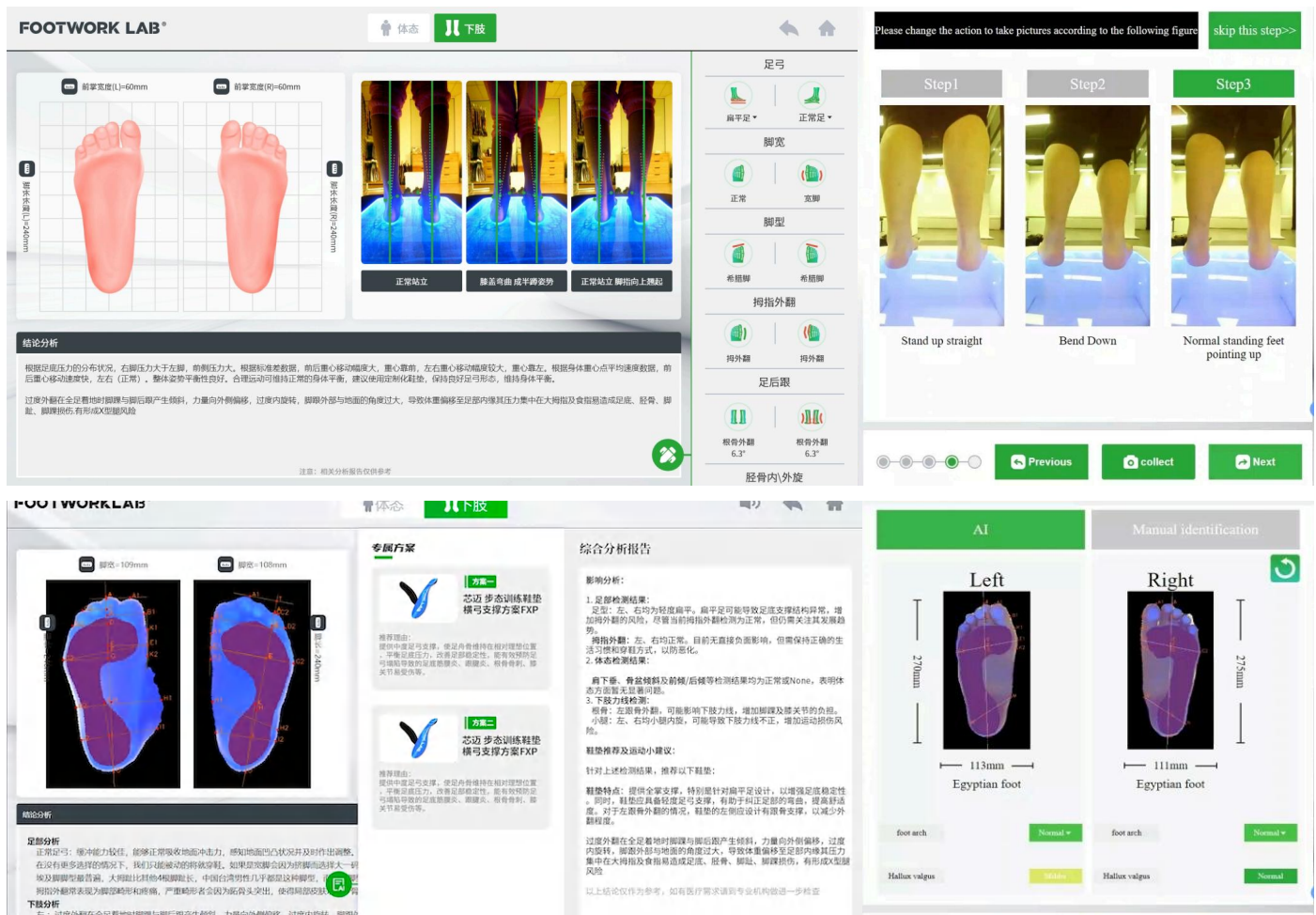
·Online OTA update



产品配套清单 Product Equipment Matching List

Q1P主机	Podoscope	USB数据线	USB Data Cable
安装说明书	Installation Manual	行李箱	Portable Suitcase
使用手册	User Manual	加热盒	Heating Box
摄像头配件	Camera Accessories	安装工具包	Installation Toolkit
地垫	Mat		
定型枕一套(成人、儿童、辅助配件)		One Set of Shaping Pillows (Adults, Children Auxiliary Accessory)	

软件系统展示 Software System Display



使用场景 Application Scenario



鞋业门店
Shoe Store



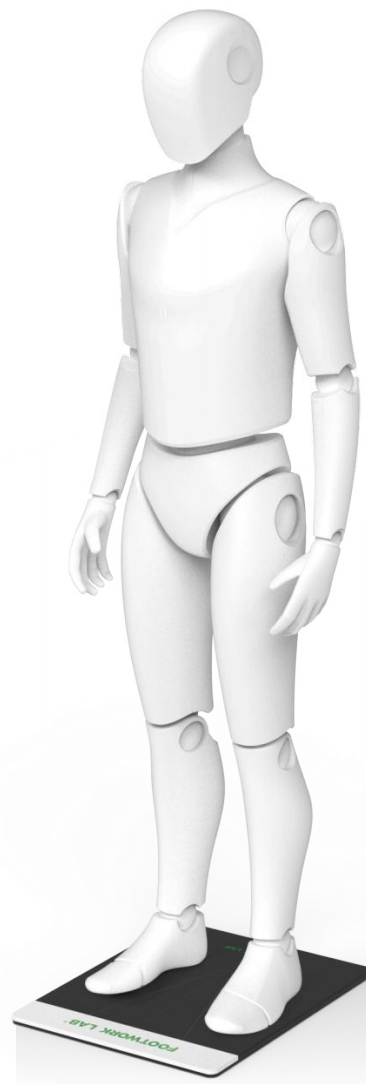
F2

足底压力检测系统

Foot Pressure Detection System

通过压力传感仪器及专属分析系统，采集与分析足底压力分布。根据静态、动态、平衡分析，临床上可用于足部畸形的筛查、康复情况、运动能力等评估，也为定制矫正方案提供一定量化依据。

Through pressure sensing instruments and an exclusive analysis system, the plantar pressure distribution is collected and analyzed. Based on the static, dynamic, and balance analyses, it can be clinically used for the screening of foot deformities, the assessment of rehabilitation status, athletic ability, and other aspects. It also provides a certain quantitative basis for formulating customized correction plans.





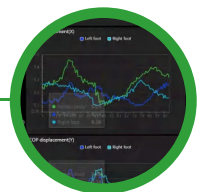
核心功能 Core Functions

- 静态压力检测评估
- 动态压力检测评估
- 平衡压力检测评估
- Static pressure detection and evaluation
- Dynamic pressure detection and evaluation
- Balance pressure detection and evaluation



核心技术运用 Core Technology Application

- Sinmec Fabric 织物传感
- Ai生成式工具
- Sinmec fabric sensor
- Ai generative tools



全流程服务 Full Process Service

- 售前咨询服务

·售后专属技术产品团队对接

·可定制软件系统(单独定制收费)

·售后营销、服务指导

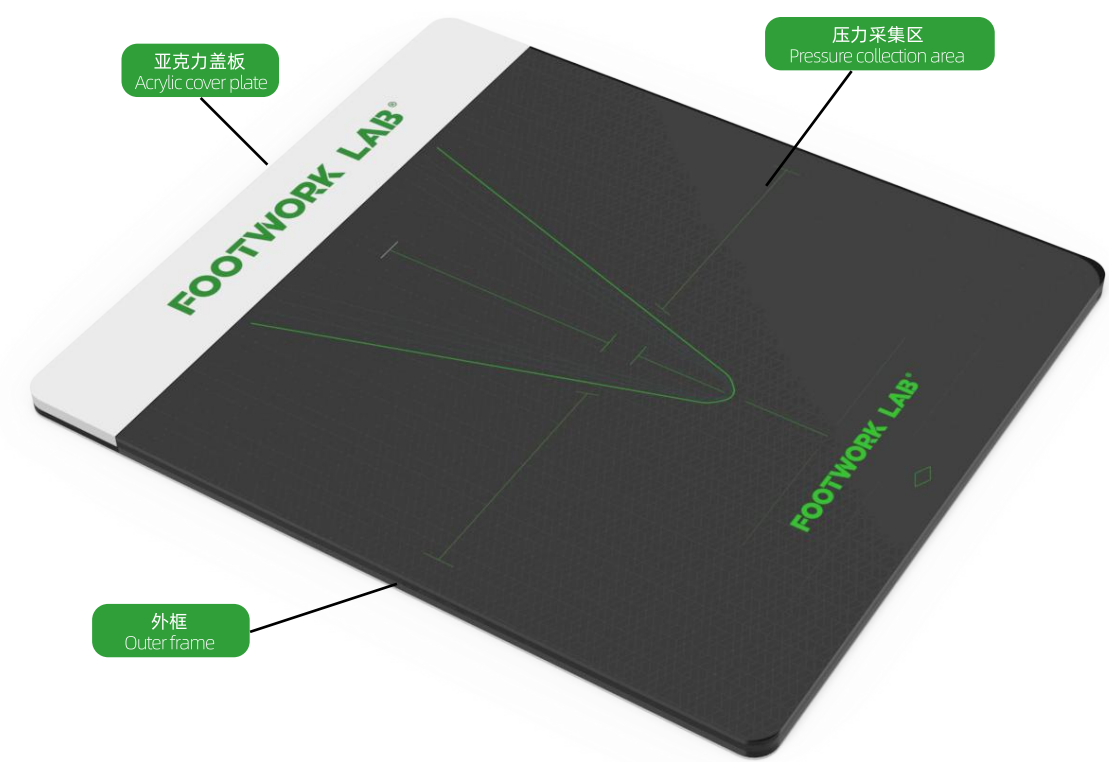
·线上OTA更新
- Presales consulting services

·Aftersales exclusive technical product team docking

·Customizable software system (charged separately for customization)

·Aftersales marketing and service guidance

·Online OTA update



产品配套清单 Product Matching List

F2主机	F2 Pressure Plate	USB数据线	USB Data Cable
安装说明书	Installation Manual	F2手提包	F2 Handbag
使用手册	User Manual	安装工具包	Installation Toolkit



F2-Pro

足底压力检测系统-加长版

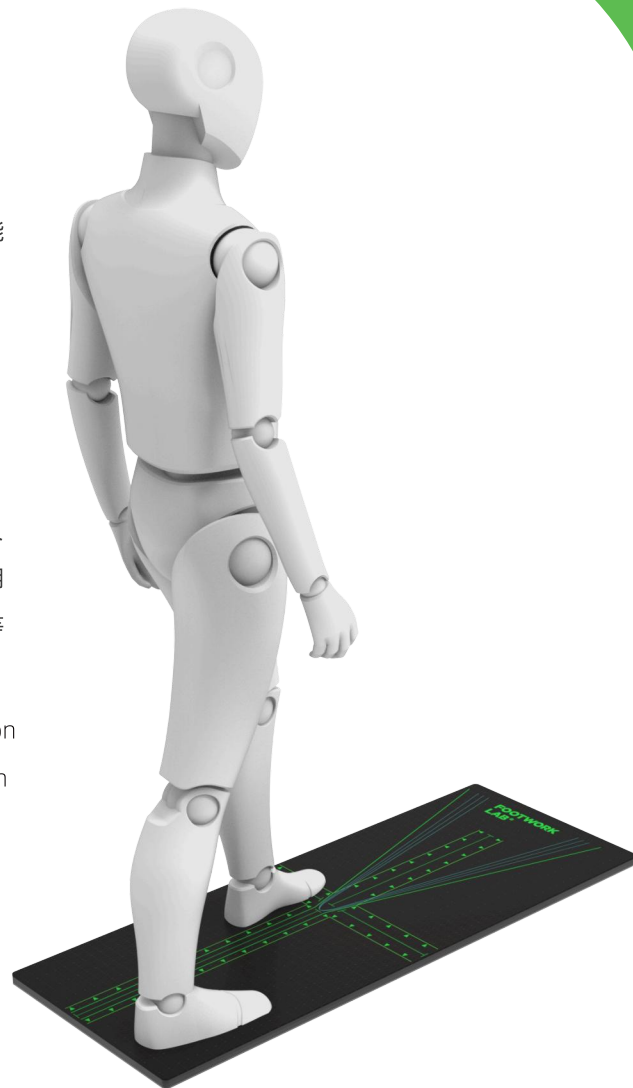
Foot Pressure Detection System - Extended Version

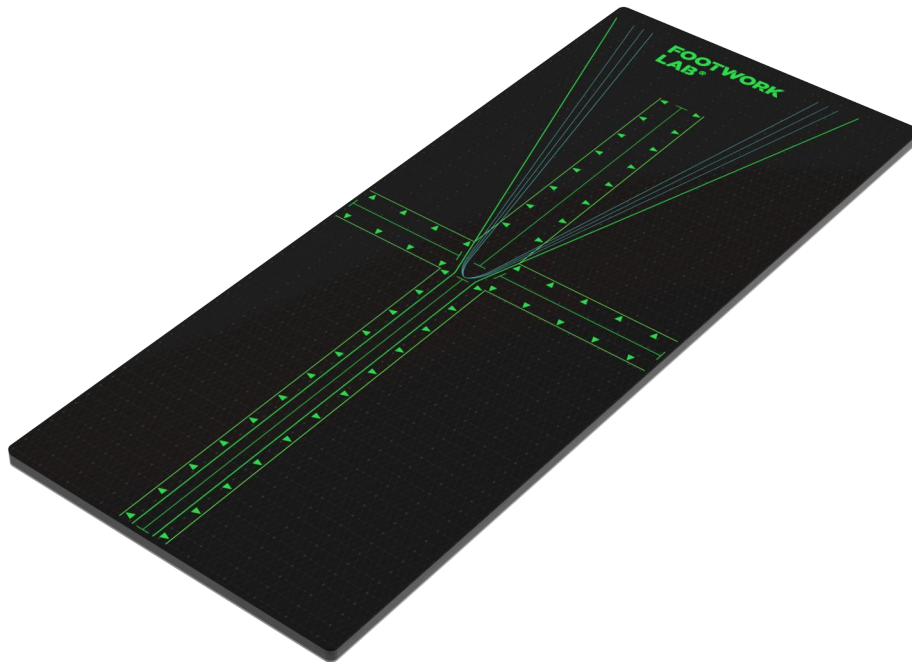
通过传感与分析系统采集动态足底压力，可评估足部畸形、康复及运动能力，为定制矫正方案提供量化依据。

By collecting dynamic plantar pressure through a sensing and analysis system, foot deformities, rehabilitation, and exercise ability can be evaluated, providing quantitative basis for customized correction plans.

F2-Pro足底压力系统-加长版，作为F2的升级版本，通过压力传感仪器及专属分析系统，采集与分析动态周期足底压力分布。根据静态、动态周期步态及平衡分析，临床上可用于足部畸形的筛查、康复情况、运动能力等评估，也为定制矫正方案提供一定量化依据。

F2-Pro Plantar Pressure System - Extended Edition, as an upgraded version of F2, collects and analyzes dynamic periodic plantar pressure distribution through pressure sensing instruments and dedicated analysis systems. Based on static and dynamic periodic gait and balance analysis, it can be used clinically for screening foot deformities, evaluating rehabilitation status, motor ability, and providing a quantitative basis for customized correction plans.





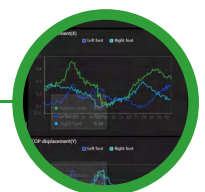
核心功能 Core Functions

- 静态压力检测评估
 - 动态压力检测评估
 - 平衡压力检测评估
- Static pressure detection and evaluation
 - Dynamic pressure detection and evaluation
 - Balance pressure detection and evaluation



核心技术运用 Core Technology Application

- Sinmec Fabric 织物传感
 - Ai生成式工具
- Sinmec fabric sensor
 - Ai generative tools



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·售后营销、服务指导

·线上OTA更新
- Pre sales consulting services

·After sales exclusive technical product team docking

·Customizable software system (charged separately for customization)

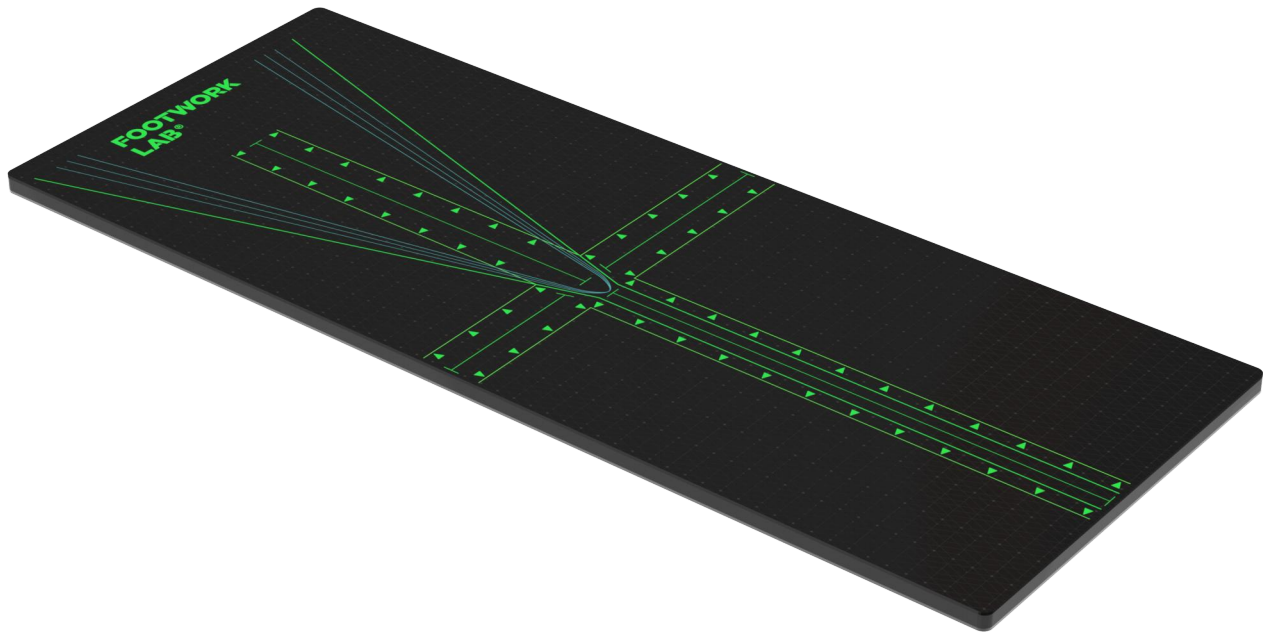
·After sales marketing and service guidance

·Online OTA update

设备参数 Device Parameters

主机尺寸 Host Dimensions:	传感区域尺寸 Sensing Area Size	工作电压 Working Voltage	重量 Weight	操作系统 Operating System
120×47.5×1.9 cm	41×115.2 cm	5V	10.5KG	Windows/Mac
采集频率 Collection Frequency	压力点数量 Number of Pressure Points	传感器 Sensor		
60-100HZ	64×64×3	电阻式压敏织物传感器 Resistive Pressure-sensitive Fabric Sensor		

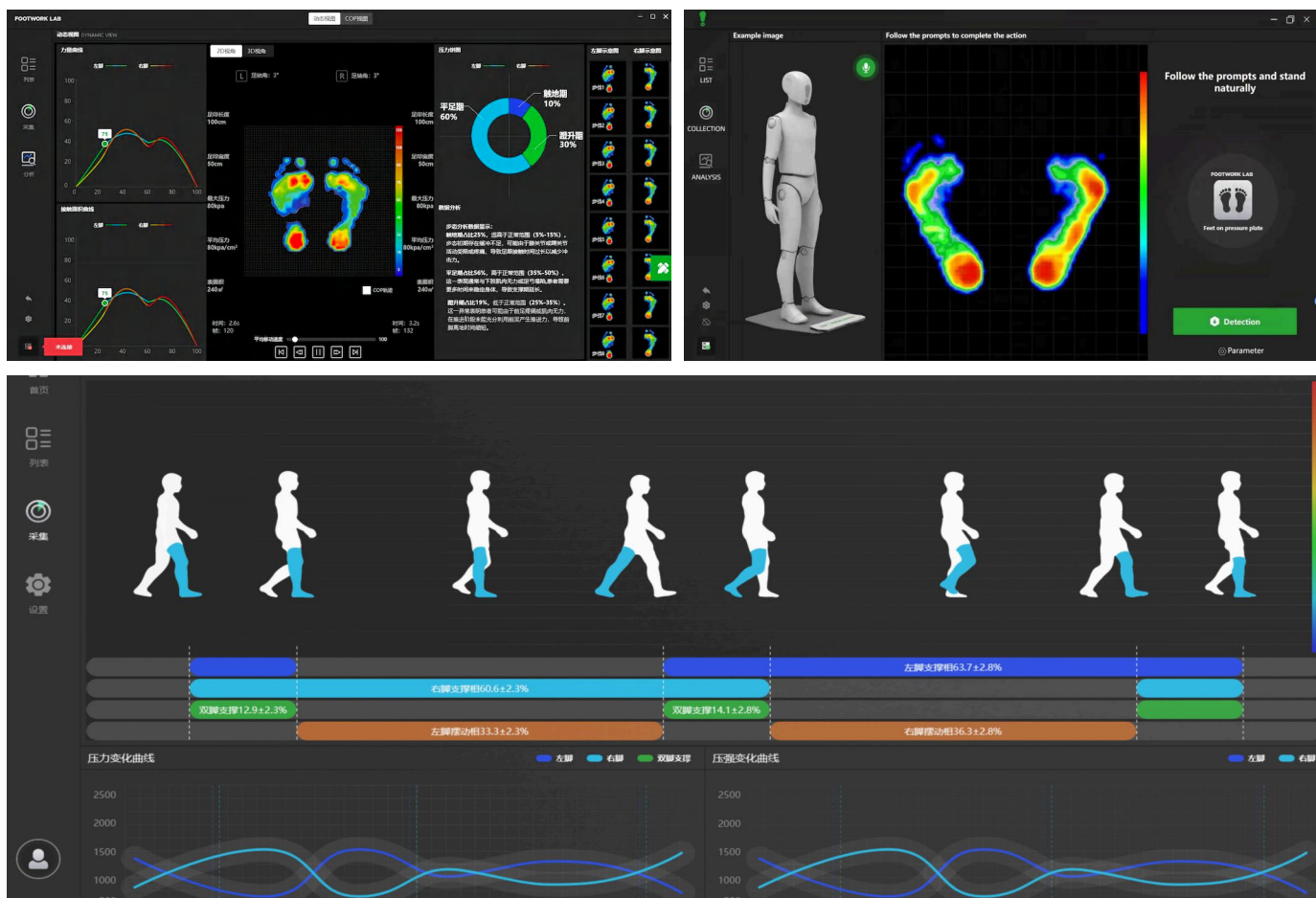
- 可支持报告在线打印、现场打印尺寸
- Report Printing: Supports Online Report Printing and On-Site Printing of Specified Sizes



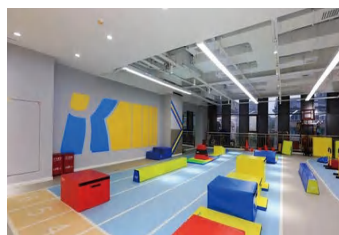
产品配套清单 Product Equipment Matching List

F2-Pro主机	F2- Pro Machine	F2-Pro手提包	F2-Pro Handbag
安装工具包	Installation Toolkit	USB数据线	USB Data Cable
使用手册/安装说明书	User Manual / Installation Instructions		

系统界面展示 System Interface Display



使用场景 Application Scenario



运动培训机构

Sports Training Institutions



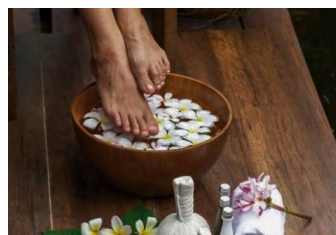
康复医院

Rehabilitation Hospital



体育场

Sports Venue



足疗中心

Foot Therapy Center



鞋业门店

Shoe Store



足科诊所

Podiatry



健身房

Gym



儿童体能机构

Children's Physical Fitness Institutions

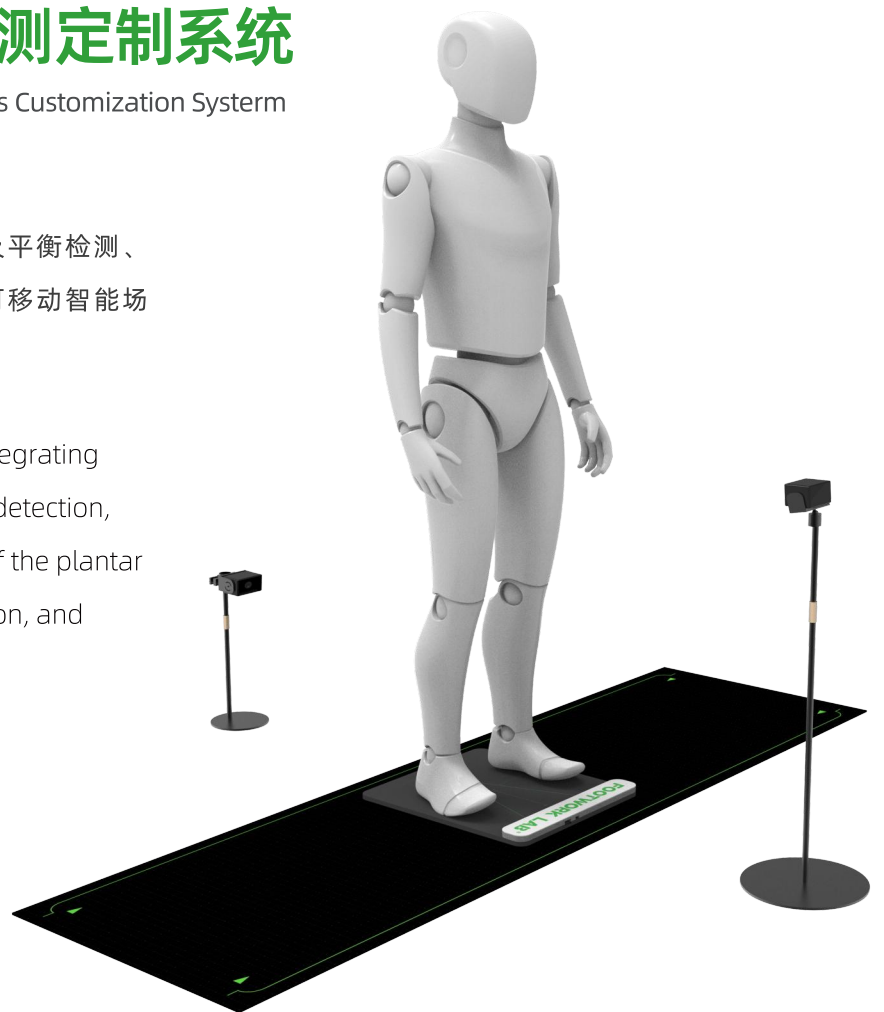
FMP

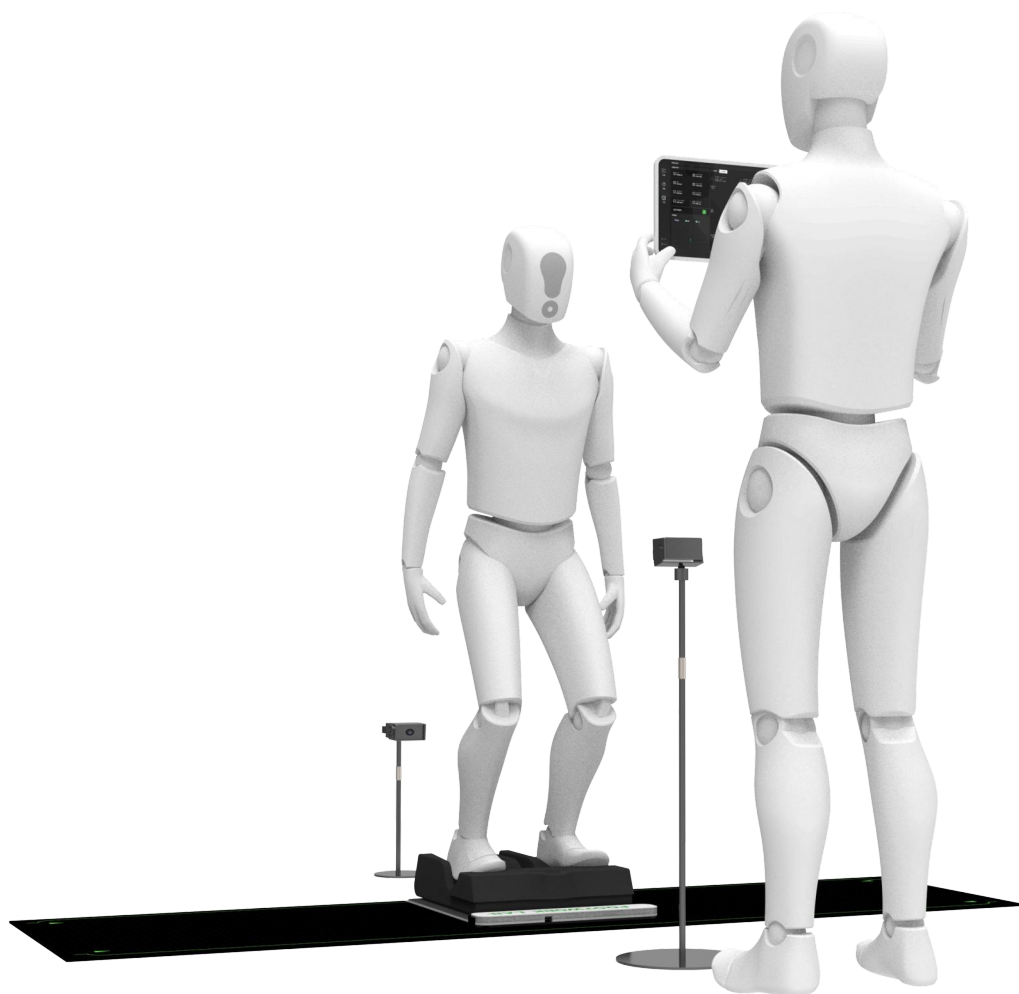
足底压力及体态检测定制系统

Foot Pressure & Posture Detection Insoles Customization System

集人体力线检测、足底的静态、动态及平衡检测、检测分析与评估、足垫定制为一体的可移动智能场景解决方案。

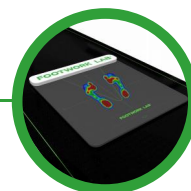
A mobile intelligent scenario solution integrating human body biomechanical alignment detection, static, dynamic and balance detection of the plantar surface, detection analysis and evaluation, and insole customization.





核心功能 Core Functions

- 静态压力检测评估 ·Static pressure detection and evaluation
- 动态压力检测评估 ·Dynamic pressure detection and evaluation
- 平衡压力检测评估 ·Balance pressure detection and evaluation
- 全身肢体生物力线检测 ·Full-body biomechanical alignment detection



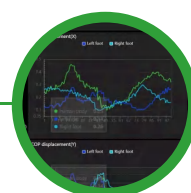
现场定制模块 On Site Customized Module

- 生物力学鞋垫现场定制 ·On site customization of biomechanical insoles



核心技术运用 Core Technology Application

- Bodyft Ai 机器视觉识别 ·Bodyft Ai machine vision recognition
- Sinmec Fabric 织物传感 ·Sinmec fabric sensor
- Ai生成式工具 ·Ai generative tools



全流程服务 Full Process Service

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·线上OTA更新
- Presales consulting services

·Aftersales exclusive technical product team docking

·Customizable software system (charged separately for customization)

·Aftersales marketing and service guidance

·Online OTA update



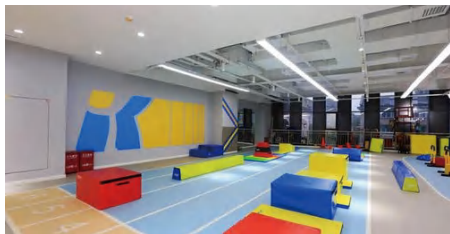
产品配套清单 Product Matching List

FMove Pro主机	F2 Pressure Plate	USB数据线	USB Aata Cable
安装说明书	Installation Manual	手提包	Handbag
使用手册	User Manual	加热盒	Heating Box
高精度摄像头*2	High Precision Camera * 2	集线器	Hub
摄像头支架*1	Camera Bracket * 1	安装工具包	Installation Toolkit
定型枕一套(成人、儿童、辅助配件)		One Set of Shaping Pillows (Adults, Children Auxiliary Accessory)	

软件系统展示 Software System Display



使用场景 Application Scenario



运动培训机构
Sports Training Institutions



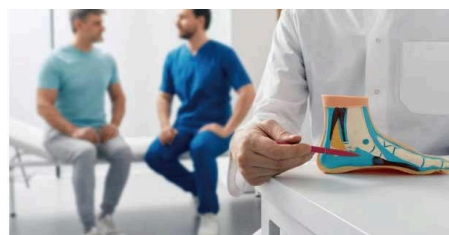
康复医院
Rehabilitation Hospital



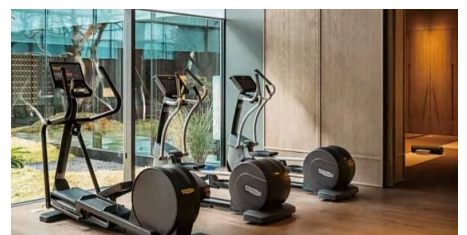
体育场
Sports Venue



鞋业门店
Shoe Store



足科诊所
Podiatry



健身房
Gym

F5-LAB

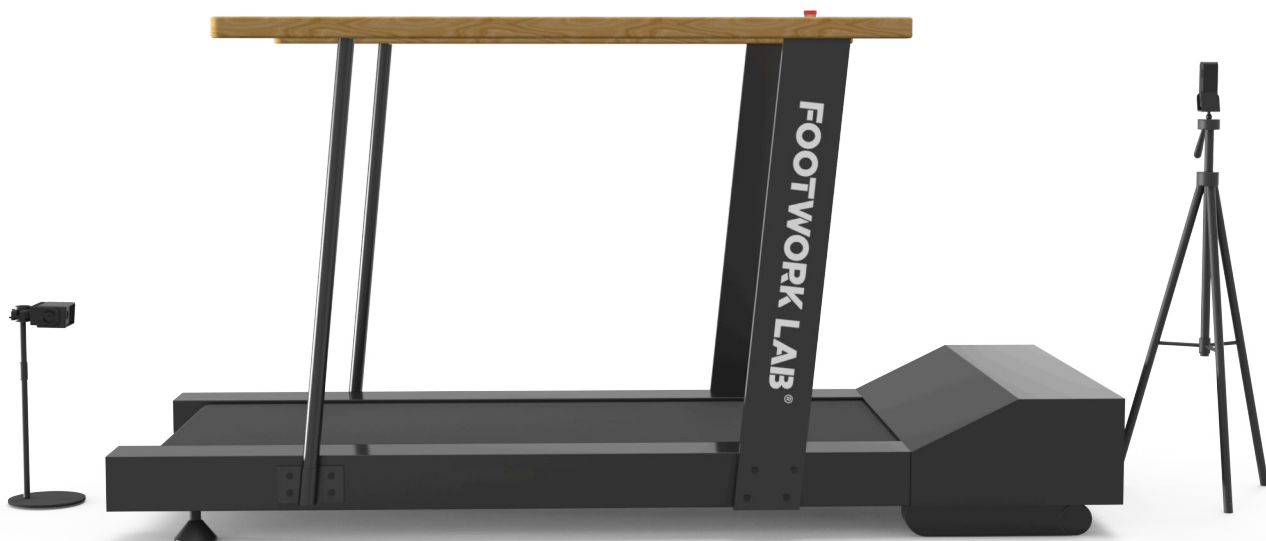
动态步态检测定制系统

Dynamic Gait Detection Customization System

F5-LAB动态步态检测定制系统能够测量和分析行走和跑步时的压力分布情况、体态情况,从而自动识别步伐,提供临床步态参数,广泛应用于医疗康复、体育科研、制鞋领域。

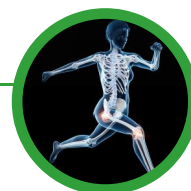
The F5-LAB Dynamic Gait Detection Customization System is capable of measuring and analyzing the pressure distribution and body posture during walking and running, thus automatically identifying the gait pattern and providing clinical gait parameters. It is widely applied in the fields of medical rehabilitation, sports scientific research, and customized shoes.





核心功能 Core Functions

- 步态周期检测评估
 - 运动姿态评估
 - 动态压力评估分析
 - 动态双足蝴蝶线分析评估
- Gait cycle detection and evaluation
 - Assessment of motion posture
 - Dynamic stress assessment analysis
 - Dynamic bipedal butterfly line analysis and evaluation



核心技术运用 Core Technology Application

- Bodyft Ai 机器视觉识别
 - Sinmec Fabric 织物传感
 - Ai生成式工具
- Bodyft Ai machine vision recognition
 - Sinmec fabric sensor
 - Ai generative tools



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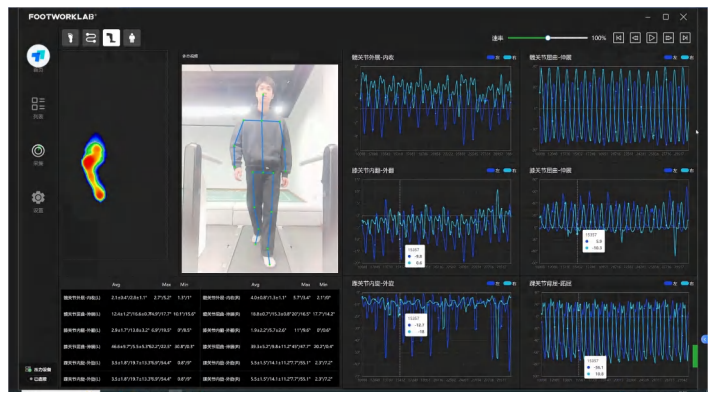
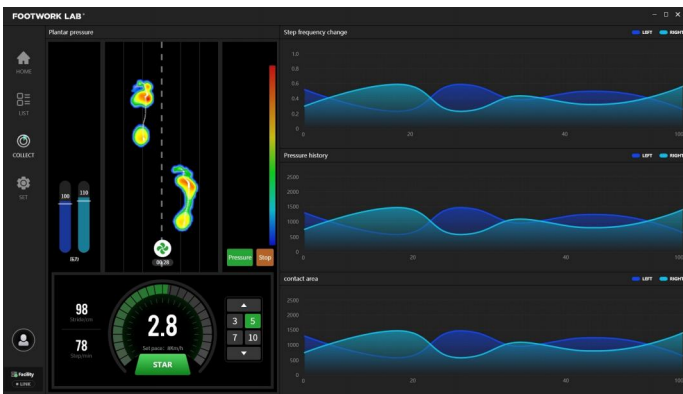
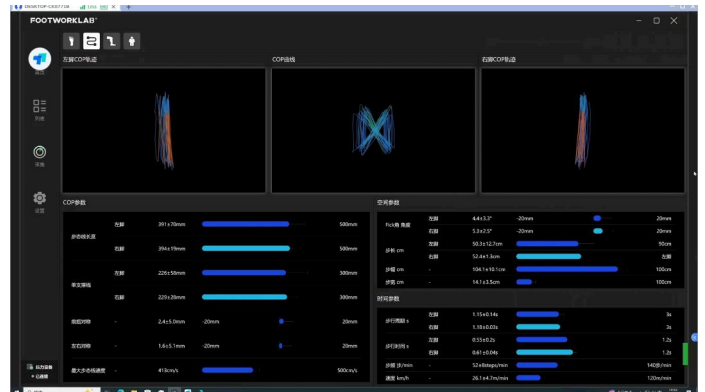
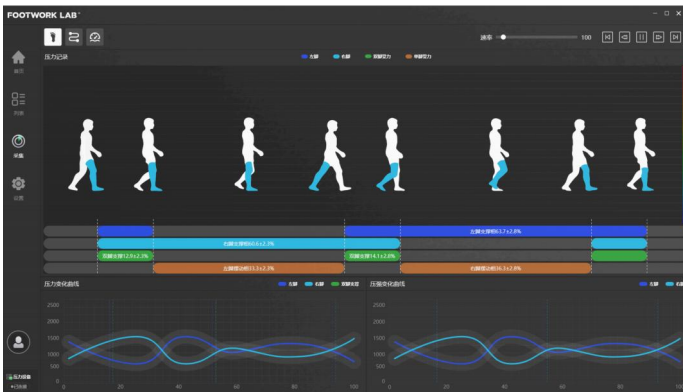
·Online OTA update



产品配套清单 Product Equipment Matching List

F5-LAB主机	Treadmill	USB数据线	USB Data Cable
安装说明书	Installation Manual	摄像头支架*2	Camera Bracket * 2
使用手册	User Manual	集线器	Hub
摄像头*2	Camera *2	安装工具包	Installation Toolkit

软件系统展示 Software System Display



使用场景 Application Scenario



康复医院
Rehabilitation Hospital



体育场
Sports Venue



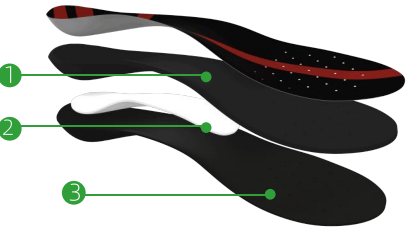
足科诊所
Podiatry



健身房
Gym

三类使用人群 · 针对定制 Three types of user groups · Targeting customization

从足部生物力学数据到个性化产品输出，以精准适配重构健康根基。
From foot biomechanical data to personalized product output, to accurately adapt and reconstruct the foundation of health.



(本图仅为示意)
(This image is for illustration only)

Dynamic Correction Core

芯迈「动态纠正核」

① 功能训练模块

Functional training module

根据不同场景，配置不同方案，帮助动态纠正与调节。

Configure different solutions according to different scenarios to help dynamically correct and adjust.

② 记忆支撑核

Memory support nucleus

高分子材料，根据个体数据成型，塑造个性化纠正支撑核。

Polymer materials are shaped based on individual data to create personalized correction support cores.

③ 定型记忆基层

Basic level of stereotyped memory

随个体数据形成加强巩固基层，辅助侧边包裹以及定位感知。

Strengthen and consolidate grassroots level with the formation of individual data, assist in side wrapping and positioning perception.

日常款 Daily style

针对有保健需求的人设计，能减缓足底疲劳，加强步行、运动耐力，预防足部问题发生。
From foot biomechanical data to personalized product output, to accurately adapt and reconstruct the foundation of health.



久站款
Long-standing Type



日常款
Daily Walking Type

更多
more
.....

足护款 Foot protection

针对已经患有足部问题的人所设计，可加强足弓支撑，调整人体力线，减缓足患引起的疼痛、改变发力习惯、增强运动耐力。进一步达到康复辅助,体态调整的效果。

Designed for people who already have foot problems, it can strengthen arch support, adjust body force lines, alleviate pain caused by foot problems, change force habits, and enhance exercise endurance. Further achieve the effect of rehabilitation assistance and body posture adjustment.



扁平足款
Flat Foot Type



拇指外翻款
Hallux Valgus Type



足底筋膜炎款
Plantar Fasciitis Type

更多
more
.....

精准支撑·定制化矫正鞋垫体系

Precise Support And Customized Correction Insole System

鞋垫是一种外置矫形器，以运动生物力学的原理，改变足底发力特征。人体足部情况差异性大，同一年龄、身高、体重、性别的两个人，脚长、脚宽、足弓、发力习惯均不一样。统一标准生产的鞋垫，无法为足部问题提供切实有效的解决方案。

定制鞋垫能为不同的足部情况，提供差异化设计方案，用于预防足部疾患发生，减缓足部疾患带来的代偿影响及疼痛,加强康复辅助。

Insole is an external orthotic device that changes the force characteristics of the sole of the foot based on the principles of biomechanics of movement. There are significant differences in the condition of the human foot. Two people of the same age, height, weight, and gender have different foot lengths, widths, arches, and exertion habits. Uniform standard production of insoles cannot provide practical and effective solutions for foot problems.

Customized insoles can provide differentiated design solutions for different foot conditions, used to pre limit the occurrence of foot diseases, alleviate the compensatory effects and pain caused by foot diseases, and enhance rehabilitation assistance.

定制鞋垫为何有效? Why is custom insole effective?



强力支撑 Strong Support

可以支撑塌陷的足弓，让足部有回弹的作用，缓解长时间走路造成足部疲劳及疼痛。

It can support the collapsed arch of the foot, allowing the foot to rebound and relieve foot fatigue and pain caused by prolonged walking.



改善足底力线 Improve Plantar Line Of Force

可以改善足部力线异常，引导关节正常运动，达到稳定关节和减轻疼痛的目的。

It can improve abnormal foot force lines, guide normal joint movement, and achieve the goal of stabilizing joints and reducing pain.



分散足底压力 Disperse Plantar Pressure

改善足底压力分布，纠正异常步态，延缓足病进展，减少各关节及组织代偿,缓解足部疼痛。

Improve the distribution of plantar pressure, correct abnormal gait, delay the progression of foot disease, reduce joint and tissue compensation, and alleviate foot pain.



改善足底压力分布 Improve Plantar Pressure Distribution

改善足底压力分布，纠正异常步态，延缓足病进展，减少各关节及组织代偿，缓解足部疼痛。

Improve the distribution of plantar pressure, correct abnormal gait, delay the progression of foot disease, reduce joint and tissue compensation, and alleviate foot pain.

根据不同运动项目的发力特征，使用专项运动定制鞋垫（如篮球定制鞋垫、跑步定制鞋垫、高尔夫球定制鞋垫等），达到加强运动保护，增强运动表现的效果。

According to the power characteristics of different sports, customized insoles for specific sports (such as basketball insoles, running insoles, golf insoles, etc.) are used to enhance sports protection and performance.



人体力学定制 · 使用建议 Human body mechanics customization and usage suggestions

如您穿着不舒适请渐进式调整穿着时间,鞋垫能更好地契合您的脚部轮廓。

If you feel uncomfortable wearing, please gradually adjust the wearing time so that the insole can better fit your foot contour



- 1 初次使用有异物感，可逐渐适应；
There is a foreign object sensation during initial use, but it can gradually adapt;
- 2 请勿穿此鞋垫踩梯子等硬物，以免造成损坏；
Please do not wear this insole and step on hard objects such as ladders to avoid damage;
- 3 鞋垫不能在高于50℃的高温下受热；
insole should not be heated above 50 °C;
- 4 定期风干晾晒，保持鞋垫干爽，脚汗大者建议每日风干晾晒，不用时取出，放置通风干燥处；
Regularly air dry and air dry the insole to keep them dry. For those with excessive foot sweat, it is recommended to air dry and air dry them daily and remove them when not in use, Place in a ventilated and dry place;
- 5 建议2双以上鞋垫交替使用效果更佳。
It is recommended to use two or more pairs of insole alternately for better results.



WhatsApp



扫码添加微信

 : Harken Wong
 : +86-17365240409
 : serviceam@xiaoaitech.com