

CHUAN OptoElectronics Limited

Smart Fitness | Digital Sports | Somatosensory Games

The leader in intelligent fitness and digital sports, we are committed to empowering the big health industry Digitization and visualization, integrating technology with fitness, leading the industry trend!

By Chuan OptoElectronics Co.,Ltd

VERSION 6.0





INTRODUCTION OF COMPANY



CHUAN OptoElectronics is a high-tech enterprise established in Songshan Lake, Dongguan in 2006, specializing in the R&D, design and production of intelligent fitness equipment and AIOT products. The company boasts a complete industrial chain and globalized production bases. It has passed the ISO series system certifications, factory audits by clients such as Walmart, and international certifications including UL. Meanwhile, it has introduced ERP (Enterprise Resource Planning) and QIS (Quality Information System) to enhance its management and quality control capabilities. In 2018, the company set up an overseas factory in Thailand, which became the first electronic manufacturing factory in the region to obtain Walmart certification. Relying on its solid strength, the company continues to serve the global market, fully demonstrating its international competitiveness.





OUR FOCUS



Small intelligent fitness equipment

From smart skipping ropes to resistance bands, our ecosystem supports over 20 types of connected fitness devices for complete workout versatility.



Intelligent Control of Fitness Equipment

Committed to forward-looking technological innovation in the intelligent fitness field and in-depth industry practice of sports digitalization



GameFits Motion-sensing Games

The GameFits platform transforms sports training into an engaging motion-sensing gaming experience, making exercise something to look forward to



24/7 Smart Wearables

This wearable technology continuously tracks your physical health data 24 hours a day, 7 days a week, facilitating the development of sustainable healthy lifestyle



BUSINESS MODEL



Our business takes intelligent AIoT technology as the core driving force. Centering on the three major product lines of intelligent fitness equipment, somatosensory games, and Bluetooth wireless radio frequency technology, we have built a comprehensive and in-depth system for technological R&D and product innovation. Relying on the complete business model integrating R&D, production, OEM and ODM . we accurately grasp market demands and provide global customers with all-round solutions ranging from product customization to delivery, helping them succeed in the competitive market.



Hardware Product Business Model for Intelligent Fitness Equipment



Technical Output Business Model for Bluetooth Modules



Software Output Business Model for Fitness Somatosensory Games



Software Business Model for Fitness App



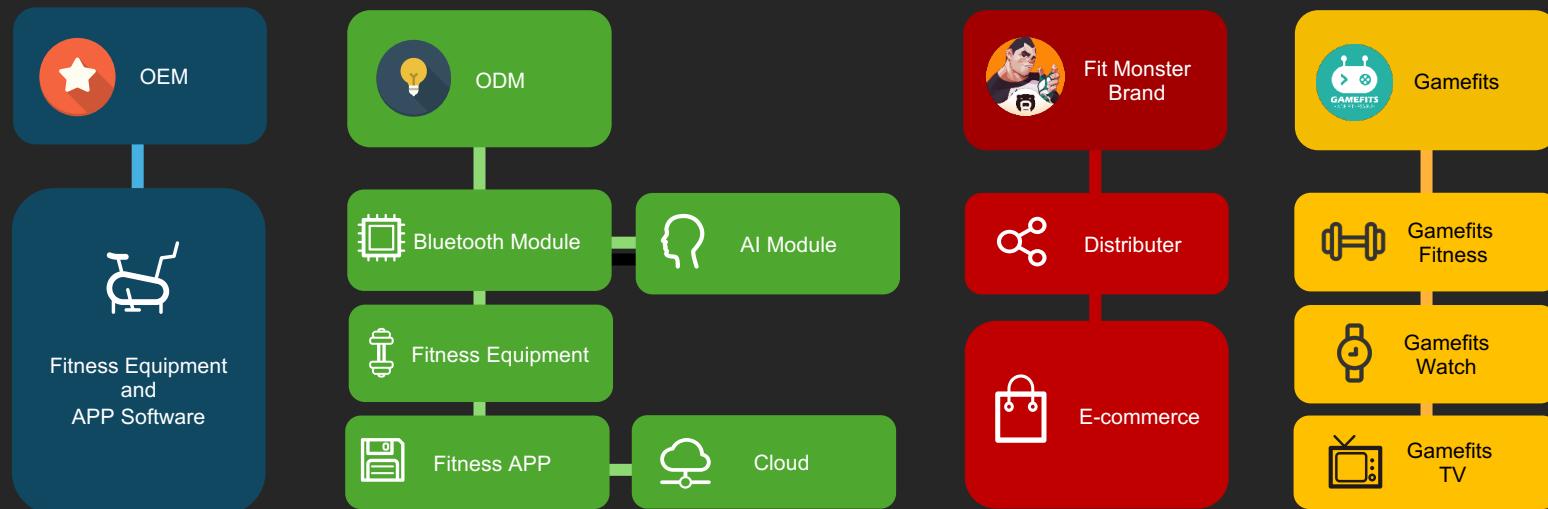
Software Business Model for Cloud and AI Algorithms



PRODUCTS RANGE



A comprehensive technology enterprise integrating R&D, production and sales, which has always been committed to innovation and breakthroughs in the fields of intelligent products and health technology.





CORE TECHNOLOGIES



We have built an in-house technical team composed of senior experts and innovative talents. Leveraging their superb professional skills and unremitting spirit of exploration, the team has achieved in-depth mastery of core technologies such as smart hardware, Bluetooth, firmware, motion algorithms, 3D technology, digital humans, software APPs, somatosensory games, cloud interaction, multi-connection, and direct TV connection.



Chips



Bluetooth



Firmware



Motion Algorithm



3D Technology



Avatar



Motion-sensing
Game



Artificial
Intelligence



Cloud
Interaction



Multi
Connect



Android
TV



Software
APP



FACTORY QUALIFICATION



As a factory certified by the ISO - 9001 Quality Management System and ISO 14001 Environmental Management System, we not only strictly adhere to quality and environmental standards in production operations, but also, with our outstanding performance, have passed multiple authoritative factory certifications such as BSCI Social Responsibility, Qualified Quality System, and Safe Production System. We comprehensively fulfill our corporate responsibilities to ensure product quality and production safety.





PRODUCT QUALIFICATION



In terms of product quality and safety assurance, we always adhere to high standards. We attach great importance to product compatibility and standard safety specifications. As members of authoritative institutions such as TUV GS, SGS, UL, ETL, WPC, and BQB, we can promptly obtain the latest regulatory update information from the associations and regularly participate in seminars organized by the official organizations, actively absorbing cutting-edge industry knowledge.





PLATFORM CONNECTION



In the field of intelligent cloud platforms, we are at the forefront of the industry. We have achieved the connection of intelligent products across multiple clouds and platforms, and can perfectly adapt to cloud-to-cloud interactions and the access of AI large models, truly achieving the ideal state of interconnected everything.



涂鸦智能





TALENT COMPETITIVENESS



In the final analysis, the competition among enterprises is the competition for talents. We have three generations of employees, forming a talent echelon that complements, promotes, and develops in coordination with each other, and establishing a powerful talent competitiveness system. The young team in the R&D department, with its solid professional knowledge and keen market insight, continuously drives technological innovation and product upgrading, injecting impetus for innovative development into the enterprise.



The General Manager of the company was awarded the Certificate of High-level Talents in Shenzhen in 2019

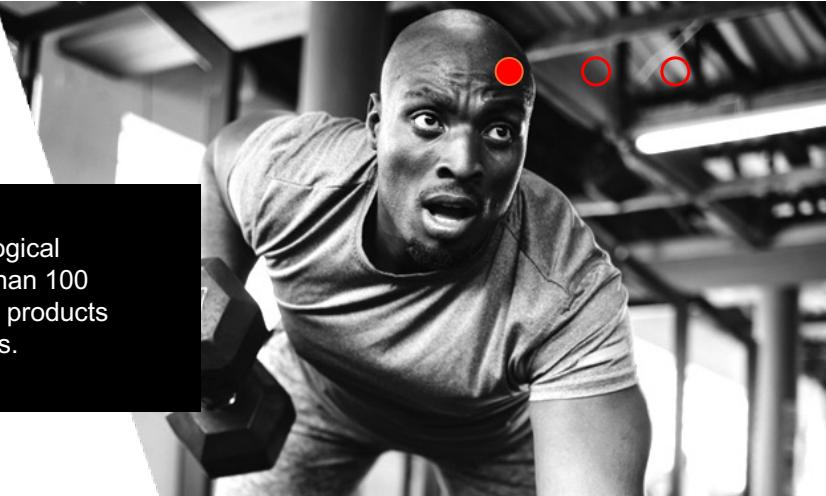


We are the teaching practice base of Dongguan University of Technology. Every year, within CHUAN Group, countless outstanding talents who will become pillars of our country are nurtured here.



PATENT CERTIFICATE

The patent certificate is an important embodiment of a company's technological innovation and intellectual property protection. The company holds more than 100 relevant patents, which not only provide legal protection for the company's products and technologies, but also enhance the company's market competitiveness.





FITNESS EQUIPMENTS



We provide a complete range of intelligent fitness and sports health products.

健身怪兽智能平衡板
GAMEFITS

健身越好玩运动越上瘾
智能体感健身新体验

智能AB健腹轮
实时心率监测

智能语音调节哑铃
一秒重量切换

多部位动作指导训练
多档重量调节
智能语音数据播报

HarmonyOS Connect

Bluetooth 5.1

多档调节

可视化动作指导

SJ200 智能硅胶握力圈

游戏互动 趣味解压
扳手腕训练营

刷抖音功能

练字控笔
改善握笔无力

SJ200 迷你计数握力圈

握力训练 增强握力
书法控笔能力提升
钢琴灵活运指

Bluetooth 5.1

KB20 智能语音壶铃

智感动作纠错 告别盲目训练
智能姿态动作到位提醒
确保你的每一次运动都精准有效

动作到位提醒

DING..
动作到位智能模块发声

体感姿态感应

智能监测每一个
动作的有效性



FITNESS EQUIPMENTS



We provide a complete range of intelligent fitness and sports health products.



Y1 智能语音哑铃
专业动作指导
6大部位35中动作姿势
全方位指导肌群锻炼
1KG 2KG 3KG

胸部 肩部 背部 臀部 腹部 腿部



可视化动作指导



智能语音播报



F1 智能俯卧撑&平板撑训练器
科学动作引导线
矫正不标准姿势
超感知精确计数器
响应灵敏计数精确

黄色引导线 锻炼背阔肌
绿色引导线 强健三头肌
蓝色引导线 雕刻胸肌
红色引导线 锻炼肩肌



Bluetooth 5.0



SJ500 智能语音跳绳
智能跳绳频率语音播报
华为心率广播联动

自由模式
开始跳绳
已跳绳120个, 质量180.....



中国电信 CHINA TELECOM

Bluetooth 5.1



SJ600 智能体感跳绳
内建九轴陀螺仪
精准运动算法
支持Gamefits Sport
健身体感游戏



健身怪兽游戏互动跳绳
健身怪兽游戏互动跳绳
健身怪兽游戏互动跳绳
健身怪兽游戏互动跳绳
线上跳绳陪练让运动不再无聊
音市助力热身
体感跳绳游戏快乐运动
健身就要好玩
智能体感健身游戏新体验

Gamefits 体感游戏
多人异地在线竞技



FITNESS EQUIPMENTS



We provide a complete range of intelligent fitness and sports health products.

健身怪兽智能平衡板
GAMEFITS

沉浸式游戏陪练
健身就要好玩
将游戏融入运动
即好玩又有趣
告别枯燥乏味
畅享运动的快乐

Bluetooth 5.1

健身怪兽智能平衡板
健身怪兽智能平衡板
健身怪兽智能平衡板

健身越好玩运动越上瘾
智能体感健身新体验

智能AB健腹轮
实时心率监测

智能拉力绳

智能手环

沉浸式游戏陪练
健身就要好玩
将游戏融入运动
即好玩又有趣
告别枯燥乏味
畅享运动的快乐

Bluetooth 5.1

GAMEFITS

健身就要好玩
智能体感健身游戏新体验

HarmonyOS Connect

智能踏步机
GAMEFITS 机甲漫步体感游戏

智能踏步机

智能踏步机

智能踏频器
GAMEFITS
多人骑行游戏



GameFits & Fit Monster

Somatosensory Game Solution

Smart Fitness | Digital Sports | Somatosensory Games

The leader in intelligent fitness and digital sports, we are committed to empowering the big health industry Digitization and visualization, integrating technology with fitness, leading the industry trend!





FIT MONSTER APP



- Interconnection of intelligent small devices to capture sports posture interactions
- Dynamic adaptation of interactive courses, advancing and upgrading with users' capabilities
- Built-in fitness somatosensory games for double the fun while burning calories
- In-depth analysis of fitness data to generate visualized result reports
- Offline course caching function for continuous training without an internet connection
- Intelligent iteration of training plans, adjusted according to physical conditions
- Decomposition and tracking of fitness goals to convert goals into daily tasks
- Virtual fitness medal system to award exclusive honor badges for completing challenges
- Fitness check-in calendar reminders to develop habits with customizable cycles
- AI full-dimensional body scanning to create exclusive fitness blueprints





FIT MONSTER APP





Casual Somatosensory Games



动感超慢跑



动感骑行



握力环射击



踏步机体感游戏



划船机体感游戏



体感网球



核心力量平衡板



田径跨栏



握力环扳手腕



投篮训练



体感高尔夫



体感壶铃



平衡板飞行



Skipping



Golf Master





Fitness Interactive Courses

Interactive Live-Scene Courses



Somatosensory Interactive Fitness Course





The Application of GameFits in Wearable Devices



Cooperating Partners for HUAWEI Wearable Device Motion-Sensing Games





Educational Somatosensory Games

Physical Fitness Somatosensory Games



Knowledge-Based Somatosensory Games





Family
Entertainment in
the Living Room

Family Entertainment in the Living Room

Somatosensory Game
Remote Control



Somatosensory Game Remote Control
(Standard TV Remote Control + Somatosensory Game Module)

Smart TV



The GameFits TV Version Somatosensory Game APP is pre-installed, or users can download it externally and install it by themselves.



Living Room Fitness Exercises



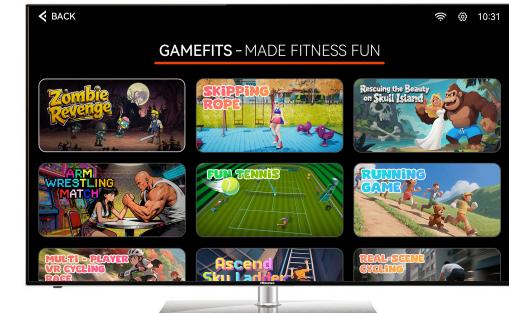
Living Room Fitness Exercises

Somatosensory Fitness Equipment



Two-Way
Interaction

Smart TV



The GameFits TV Version Somatosensory Game APP is pre-installed, or users can download it externally and install it by themselves.



Operator Value Added Services



Operator Value-Added Services

Somatosensory Game
Remote Control



Two-Way
Interaction

Set-Top Box



HDMI

Smart TV



Somatosensory Game Remote Control
(Standard TV Remote Control + Somatosensory Game Module)



2025 HDC Huawei Wearable Device Somatosensory Game Manufacturers



June 10, 2025 Huawei Shanghai New Product Launch Conference - Fitness Monster GameFits
Somatosensory Game Officially Joins the HarmonyOS Ecosystem



Under the spotlight of the Sports & Health Main Forum at Huawei HDC 2025 Developer Conference, Mr. Zhang Wei, President of the Smart Wearables and Sports & Health Product Line of Huawei Consumer BG as well as CEO of Huawei Sports & Health Corps, introduced the cross-device linkage between smartwatches and smartphones realized based on the opening of sensors in Huawei wearables. Gamefits brings more abundant somatosensory interaction experiences, among which the GameFits application of Fitness Monster has even brought a brand-new entertainment experience to wearable devices!





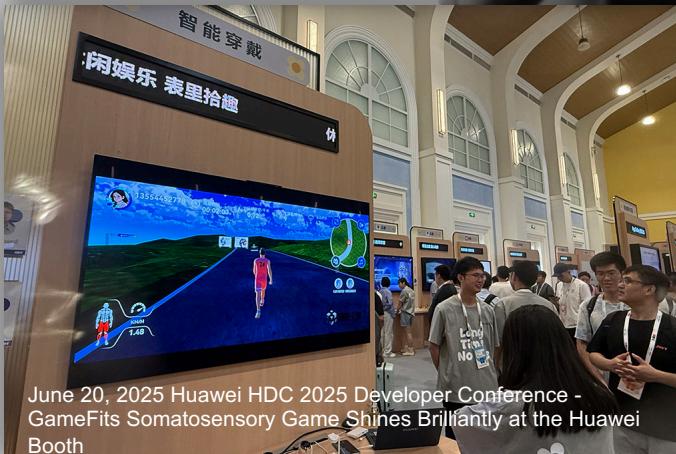
2025 HDC Huawei Wearable Device Somatosensory Game Manufacturers



June 20, 2025 Huawei HDC 2025 Developer Conference - Official Launch of GameFits Somatosensory Game and Planned Launch of Fitness Somatosensory Games



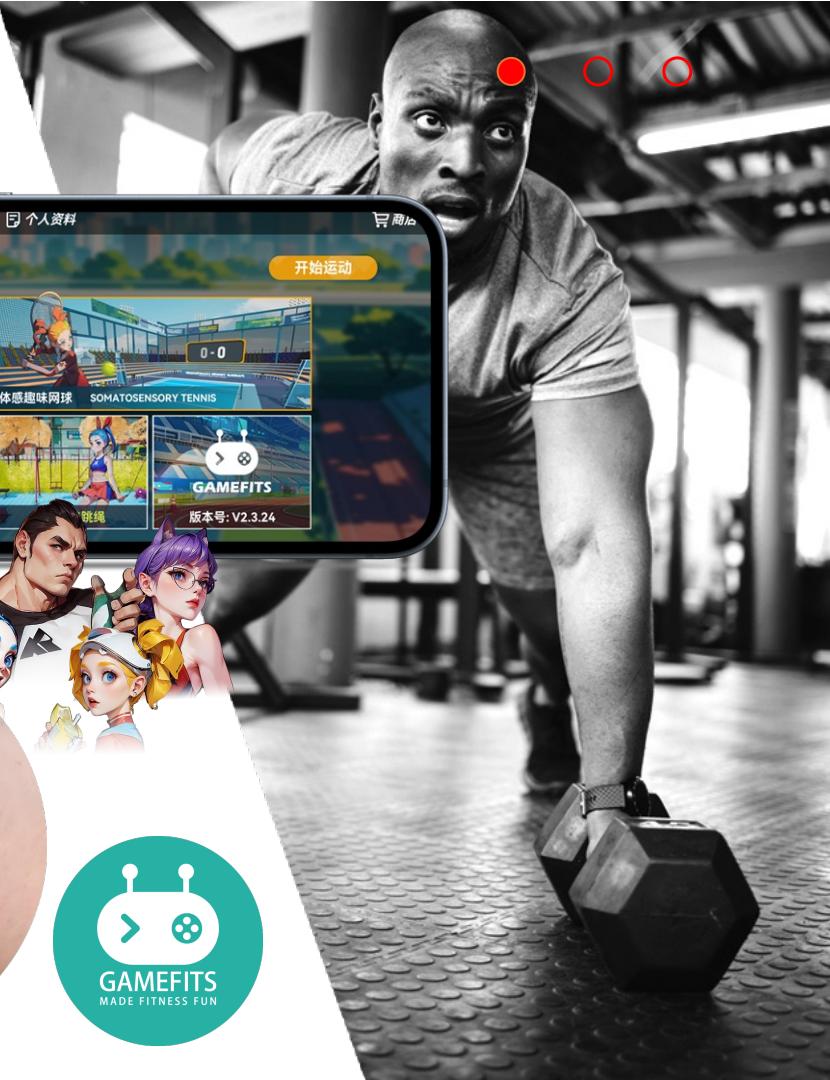
June 20, 2025 Huawei HDC 2025 Developer Conference - GameFits Somatosensory Game Shines Brilliantly at the Huawei Booth



Mr. Zhang Wei, President of the Smart Wearables and Sports & Health Product Line of Huawei Consumer BG and CEO of Huawei Sports & Health Corps, introduced the richer somatosensory interaction experience brought by Huawei wearables and Gamefits, with the event broadcast live globally.



AI + Sports + Scenarios + Games + IP





KEY CUSTOMERS

Existing Cooperative Customers



Lenovo 联想

中国电信
CHINA TELECOM

PHILIPS

中国移动
China Mobile

JOHNSON®
乔山健康科技

tuya

涂鸦智能

MERACH
麦瑞克



vivo

BOWFLEX

HEAD®

荣耀honor

顺电
sundan

DECATHLON
迪卡侬



THANK

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