MO-CATCH

Intelligent physical examination system

M100

PART 01

Product introduction

The MO-CATCH intelligent physical test system is an all-in-one physical test service machine that provides institutions with intelligent body function evaluation and intelligent membership services.

The system combines intelligent sensing technology, AI human body analysis technology, AI data processing technology, etc., and adopts internationally advanced technical means and cutting-edge design concepts to provide members with the most professional health evaluation services, while providing standardized intelligent publicity services for institutions. Create a full-process service system integrating service + physical test + publicity, and bring all-round, multi-link, high-value deep empowerment to sports and health institutions.

External monitor

Smart wearable devices

MO-CATCH Intelligent Physical Examination Terminal

Basic Edition

Smart wearable devices
+
External monitor
(self–provided)
+
Intelligent physical
examination terminal

Professional Edition

Smart wearable devices

Intelligent physical
examination machine

PART 02

Function Introduction

Physical fitness assessment

Comprehensive understanding of human body function status

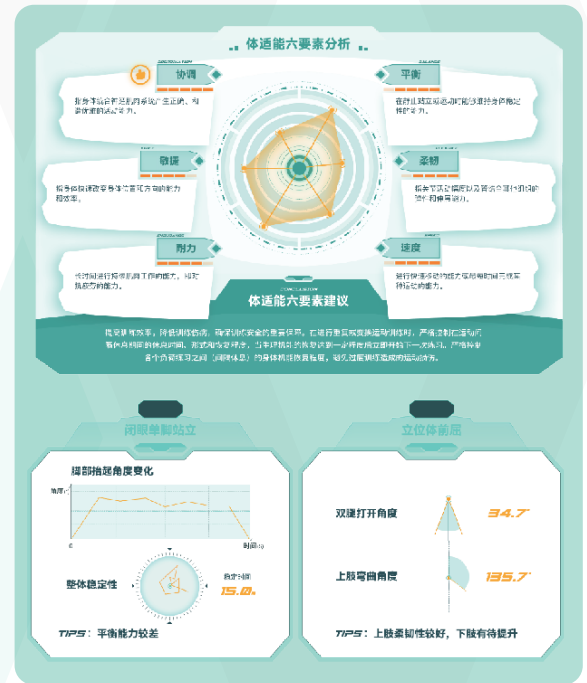#### 6 Key indicators of physical fitness

- **Evaluation Action**
  Stand on one leg, bend forward, sprint on the spot, plank support, crunch
- **Analytical Indicators**
  Six elements of physical fitness (coordination, balance, agility, flexibility, endurance, speed), joint angles, limb heights, force analysis, stability analysis, sports performance statistics, analysis and interpretation, training suggestions, etc.
- **Real-time visualization of sports data and intelligent interactive experience**

Human posture analysis

Scientific screening for musculoskeletal disease risks

12 body risk tests

- **Evaluation Method**
  3D detection (front view + side view + back view) + gait analysis
- **Evaluation Principle**
  Static human skeleton recognition + dynamic motion detection, True restoration of bone shape
  Adopting the gold standard of sports medicine and rehabilitation
  Accurate measurement data and comprehensive test indicators

Smart Member Service

- Smart display system specially designed for institutions
- High-definition large-screen digital, interactive and intelligent
- Built-in 8 display templates: organization introduction, functional area introduction, facility introduction, course recommendation, team introduction, member case, publicity display, health questionnaire, etc.
- One-click setting, background customization setting display content
- No development required, no fees, 0 yuan to own your own exclusive display platform

Intelligent evaluation report

- **Support electronic version report download/report printing**

- **Intelligent interpretation report, automatic generation of analysis conclusions, and provision of targeted training suggestions**
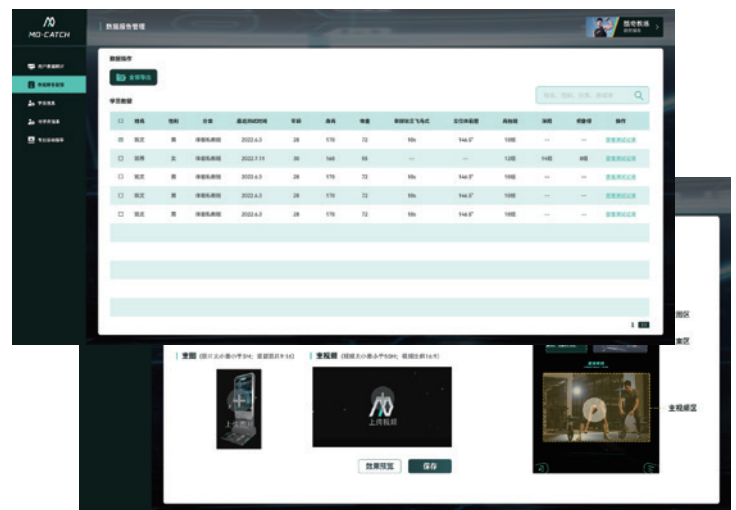

Physical fitness assessment

Body analysis

Backend management system

- **Efficient statistical analysis of testers' scores and reports**
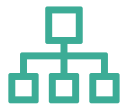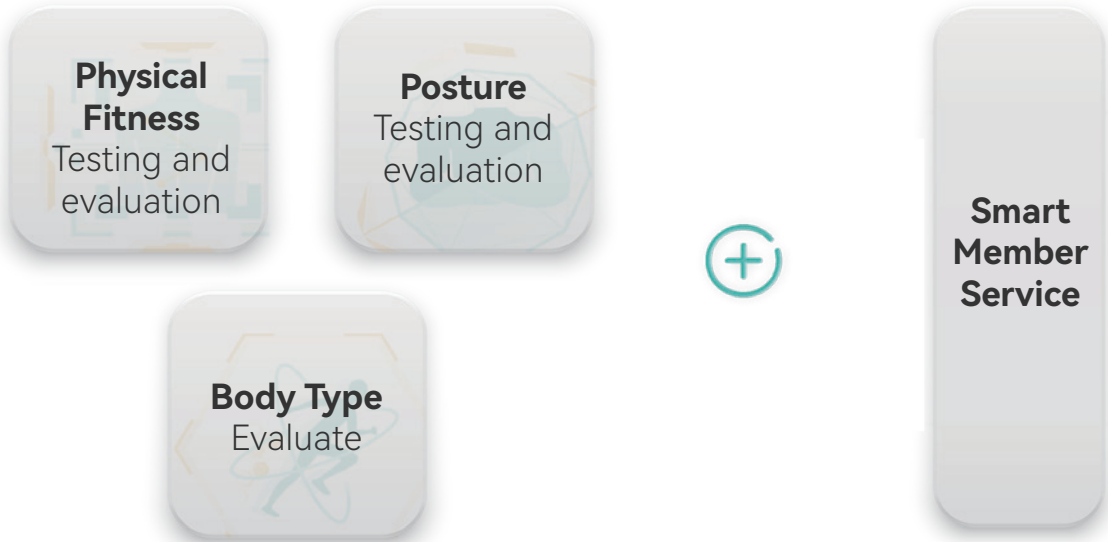
- **Data upload and download are convenient and fast**

PART 03
Product highlights

Multi-dimensional physical health test

Physical Fitness
Testing and evaluation

Posture
Testing and evaluation

Body Type
Evaluate

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Smart Member Service

Physical examination service integration

Integrates service + physical examination + publicity
All-round, multi-link, high-value empowerment

High-precision measurement

Olympic technology endorsement
Millimeter-level accuracy

Real-time interactive experience

Real-time body data display
Animation interaction
Voice reminder

Intelligent system guidance

Intelligent guidance of the entire testing process
Efficient and convenient

AI action judgment

AI determines the standardization of actions
Wrong action reminder

Intelligent report interpretation

Automatically generate interpretation words
Understand professional reports in one second

Data Management

Backend management system
One-click data export

PART 04

Technical advantages

Smart wearable devices

External monitor

MO–CATCH Intelligent Physical Examination Terminal

AI visual recognition and image analysis technology

Use AI visual recognition and image analysis technology to accurately identify key bone points in the human body, track joint movement trajectories and collect static posture test data

Biomechanical analysis technology

Through the collection and analysis of human movement information, biomechanical restoration is performed to analyze muscle force, force direction, impact force, force distribution, etc.

AI intelligent human body analysis technology

Use fusion algorithm technology to analyze the collected data and evaluate the test data in combination with relevant test standards

Big Data Technology

The backend management system uses big data technology to count, classify and analyze test data

Inertial motion capture technology

High-precision motion capture sensors are used to accurately capture human body data such as joint position, angle, height, speed, acceleration, center of gravity, etc. during human motion to evaluate athletic ability.

Dynamic body measurement technology

Using dynamic posture measurement to collect gait information and joint data during human movement, it is more scientific and accurate

Ergonomic technology

The product and software design is ergonomic and provides a good user experience

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