

AI Balance

Balance Analysis and Exercise Device



Alrenas

www.alrenas.com
info@alrenas.com



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The AI Balance static balance analysis and exercise device is an essential tool for healthcare professionals, developed for orthopedic, neurological, geriatric, and balance rehabilitation, as well as for athlete health. It is a stabilometric system that comprehensively addresses balance analysis and rehabilitation, considering the clinical needs for objective assessment and technological rehabilitation required by doctors and physiotherapists. It enhances balance, increases muscle tone, and reduces the risk of falls.

The AI Balance device caters to a wide range of users, from geriatric patients to athlete health. It comprehensively addresses balance issues using protocols from the literature and objective data to meet all your needs. As an advanced stabilometric balance analysis and exercise device, the AI Balance offers a combination of balance tests, exercises, and games. It can be utilized across all phases, from the acute phase to performance enhancement.

Test

As a rehabilitation method, the AI Balance enables objective balance testing of the patient using predefined protocols. Balance tests such as limits of stability, postural stability, motor control, fall risk, and sensory integration/Romberg tests can be applied. Depending on the requirements, tests can be conducted with eyes open or closed, on firm or foam surfaces, and in monopodal, bipedal, or tandem stances. Various patient parameters are assessed, and fall risk is reported based on normative data from the literature. The patient's balance condition is enhanced through exercises, with the final status presented objectively.

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Balance Exercise and Analysis Device Features

Exercise

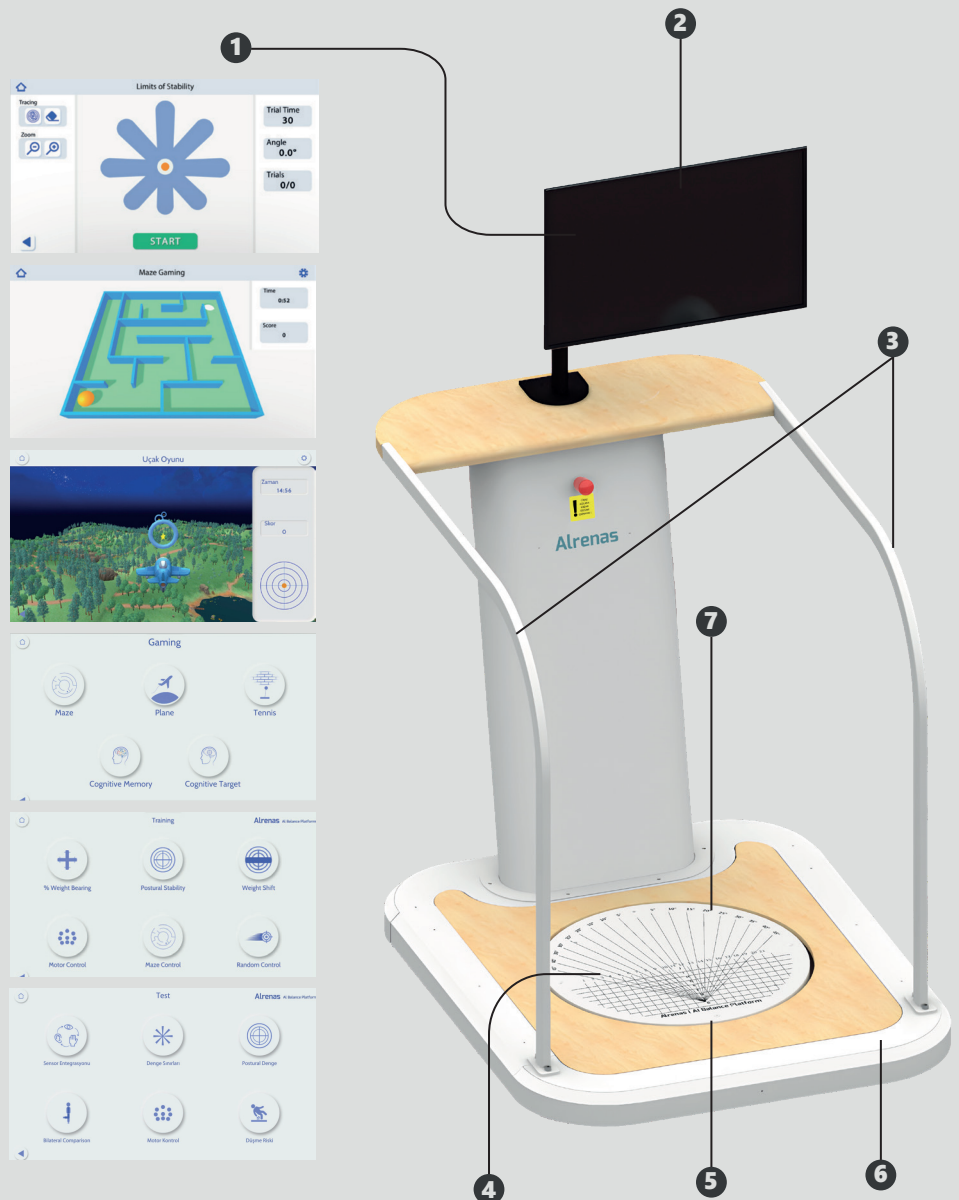
The AI Balance allows for the implementation of numerous standardized exercise protocols through its user-friendly interface. You can apply weight shifting, weight balancing, postural stability, motor control, labyrinth control, and three-stage random control exercises as personalized protocols.

Game

The AI Balance offers personalized exercise games based on analysis results to facilitate customized treatment. With entertaining games aligned with exercise protocols, patients can enjoy exercising while you save time. Visual and auditory feedback aim to enhance the patient's balance performance and cognitive state. Balance games can include single-task and multi-task options, simulating the patient's balance and improving postural stability. The device's software features games like tennis/brick breaking, 3D labyrinths, static patterns, airplane games, cognitive memory, and target tap. Additional games can be incorporated into the software as needed.

Reporting

All patient parameters are measured and recorded objectively. This allows for tracking the patient's condition and reporting the rehabilitation process. All tests and exercises are documented. Patient progress can be evaluated and used in scientific publications. Outputs can be obtained in PDF or Excel format. Two or more test results can be compared, enabling measurement of the patient's improvement.



1. User-Friendly Interface
2. All-in-One 24-Inch Touchscreen Computer
3. Patient Protection Bars
4. Static Platform
5. Force Sensor for Accurate Measurement
6. Safe System
7. Additional Foam Surface

Platform

Dimensions	133 x 95 x 190 cm (Length x Width x Height)
Weight	70 Kg
User Capacity	220 kg
Load Measurement	4 Load Cells
Supply	115V, 230-240 VAC, 50-60 Hz
Absorbed Power	80 W
Display	All In One PC: 24" Touchscreen
Languages	English, German, Spanish, Malay, Turkish
Standarts	CE, UK CE
Warranty	Two years parts and labor

Unit Features

Integrated Touchscreen All-in-One Computer or Touch Panel Screen and Mini PC
Adjustable Height and Orientation Computer
Balance Test Mode: Static
Balance Software Modes: Tests, Exercises, Games
Protocol: Predefined Static Balance Tests
Test Modes: Stability Limits, Postural Stability, Motor Control, Fall Risk, Sensory Integration (BESS, mCTSIB)
Exercise-Game Modes: Tennis (Brick Breaking), Labyrinth, Three-Stage Tracking (Random Control), Static Pattern, Weight Shifting, Weight Balancing, 3D Games, Cognitive Memory, Cognitive Target Tap
Personalized Protocol: Customized exercises and games based on data obtained from stability limits testing
Patient Record, Test and Exercise Reporting
Body Mass Index Measurement (BMI-BMR)
Safe Platform with Lateral Protection Bars
Predefined Test and Exercise Protocols
Automatic Calibration
Connection Loss Warning and Automatic Reconnection
Accessory: Foam Surface for Unstable Tests and Exercises
Remotely Updatable Software during the Warranty Period
2-Year Warranty and 10-Year Spare Parts Supply