



AVE 3D HEAL

SCAN IN MOTION



WORLD'S FIRST 3D SCANNER FOR DIAGNOSIS AND OBJECTIFICATION
OF PATIENTS IN MOVEMENT



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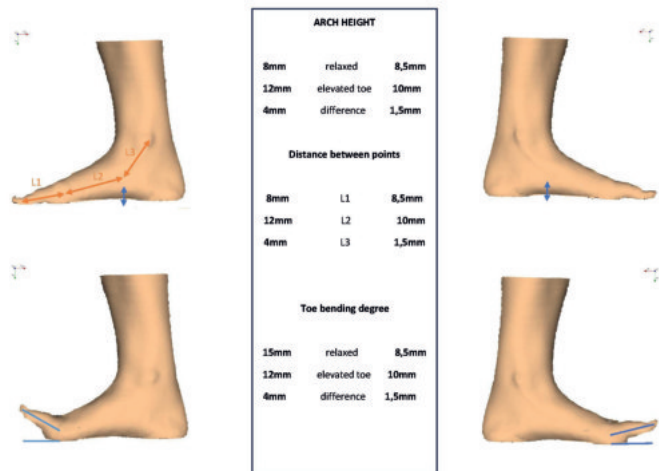


MEASURABLE 3D MOVIE WITH MOTION

ONE SHOT TECHNOLOGY

We register a 3d movie in just a few seconds. Acquired data in real time can be used to reproduce body movement for the diagnosis and treatment of various orthopedic, neurological, and other conditions. They can also be used to help design prosthetics and for rehabilitation after injury.

A new approach to utilizing a 3D scanner in medicine, enabled by its capability to scan in motion. We created the system for scanning and diagnosis patients physical condition.



3D GONIOMETER - MEASURE, COMPARE AND CONTROL.

AVE 3D Heal is the world's first scanner that allows 3D dynamic scanning of the geometry of the body's limbs, with a particular focus on the feet and wrists. Unlike traditional medical imaging, the 3D scanner works non-invasively, eliminating the need for X-rays. As a result, doctors and physiotherapists receive detailed information about the shape, anatomical structure, and possible deformities and swellings, which are important for issuing a precise diagnosis regarding the patient's condition. The biggest advantage of this developed solution is the ability to spatially image the patient in motion, thus allowing for the generation of detailed documentation, including three-dimensional examination results. These results can be used for analysis, comparisons of treatment progress, as well as for research and scientific purposes.



A REVOLUTIONARY SYSTEM FOR DIAGNOSTICS AND DATA OBJECTIFICATION

COMPREHENSIVE ASSESSMENT:

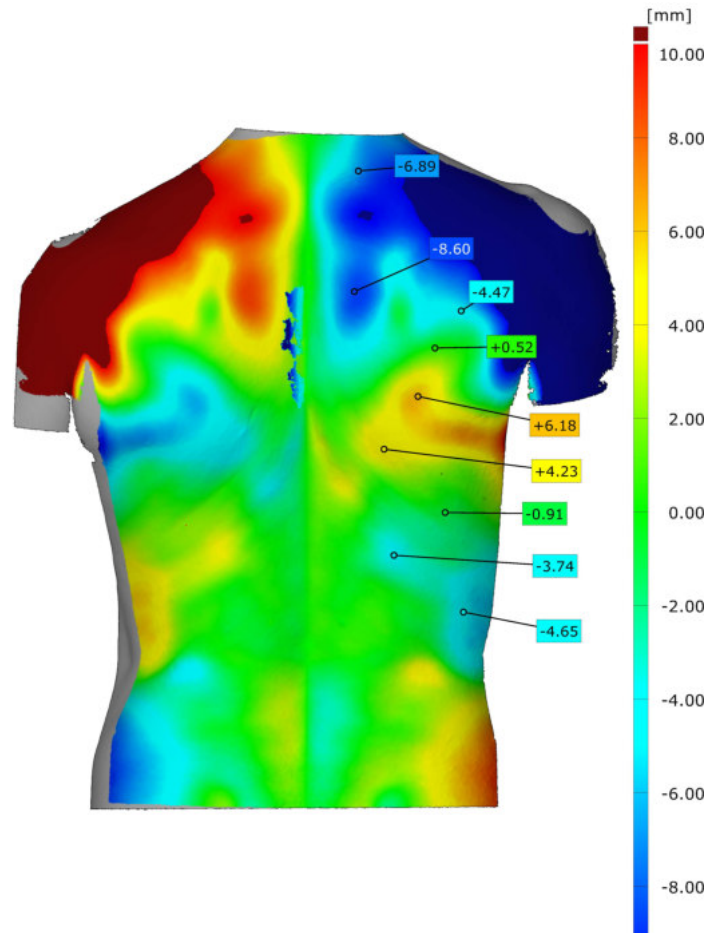
Dynamic scanning enables the capture of a wider range of data, including information about joint mobility and muscle function, which can provide a more comprehensive assessment of the patient's condition.

3D MODELS FROM EACH SECOND:

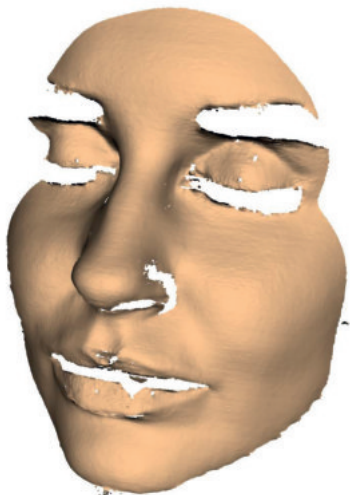
Our software is using patented technology called ONE SHOT. It enables to export digital models of particular parts of the body. You can freeze-frame registered 3d movie at any second and export captured earlier 3D data from particular position in movement. We can export data in such formats as *.STL ; *.PCS ; *.CLOUDDATA

IMPROVED VISUALIZATION:

The 3D movie generated from the dynamic scan can be manipulated and viewed from different angles, providing a more detailed and interactive visualization of the scanned area.



YOUR SHIELD AGAINST PATIENTS CLAIMS



AESTHETIC MEDICINE

Capabilities of our device for facial motion scanning in aesthetic medicine

The Ave 3D Heal scanner allows for precise capturing of even subtle changes in facial expressions in real time, which allows for in-depth analysis of muscle dynamics and their impact on facial appearance.

This knowledge is extremely valuable for aesthetic medicine doctors, as it allow for accurate diagnosis of the causes of aesthetic problems, such as wrinkles, nasolabial folds, drooping eyelids, or facial asymmetry. Based on the 3D scan, it is possible to precisely determine the areas that require correction and select the appropriate techniques and preparations to achieve optimal results.

BENEFITS OF USING AVE3D

THE 3D SCANNER BRINGS NUMEROUS BENEFITS TO PROFESSIONALS AS WELL AS PATIENTS. ITS MOST IMPORTANT ASPECTS INCLUDE:

► SHIELD AGAINST PATIENT CLAIMS

The 3D scanner provides accurate information about the anatomical structure of the lower extremities, enabling doctors to effectively diagnose conditions.

► DOCUMENTATION AND CONTROL

With Ave3D Heal 3D scanner, it is possible to document the 3D results of the limb examination in detail, thanks to reports created by the software. This documentation provides a valuable record that can be used for analysis, comparisons, and as a reference for possible future studies.

► FACILITATED INTERDISCIPLINARY COMMUNICATION

Three-dimensional movie provide clear and understandable data, facilitating communication between different medical specialists. This, in turn, contributes to reducing errors in diagnoses.

► PATIENT SAFETY

The elimination of X-rays makes the 3D scanner a safe solution, especially for children and people who are sensitive to radiation.

► ARCHIVING FOR RESEARCH AND SCIENTIFIC PURPOSES

Precise 3D documentation from the 3D scanner can be used for research and scientific purposes by future specialists. Archiving the results allows for analysis of the data in the long term, which can contribute to advances in the field of or-thopedics.

► 3D GONIOMETER - MEASURE AND COMPARE

The 3D scanner offers highly precise measurements of the lower extremities' anatomical structure. This detailed information empowers doctors to diagnose conditions effectively

**AVE
3D**

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