

XFIT – BODY DATA

HUMAN DATA FOR
EFFICIENT WORK ENVIRONMENTS

Modern personnel operate in increasingly complex environments, where individuals must perform under demanding conditions while wearing protective gear and carrying essential equipment. At the same time, fitting and logistics processes often still rely on outdated assumptions, manual measurements, and stock-driven planning.

xFit addresses this gap by introducing a fully digital, human-centric ecosystem that connects precise body data with outfitting, logistics, and system design. By combining advanced 3D body scanning (Anthroscan) with standardized digital population models (iSize), Humanetics enables organizations to make data-driven decisions based on real human variability rather than assumptions.

A strong foundation for performance starts with properly fitted clothing and equipment. Poor fit can reduce mobility, endurance, and overall comfort. xFit digitizes the entire process by capturing highly accurate 3D body data and translating it into precise size allocation across all fitting categories. This ensures that every individual is equipped based on real anthropometric data.



Beyond improved fit, this approach enables a shift toward demand-driven logistics. Instead of relying on generalized size distributions, procurement and inventory are aligned with actual workforce body data. This reduces overstocking, minimizes returns, and significantly lowers warehousing costs through optimized, scanner-based logistics processes.



Key Features



Digital toolchain enabling data-driven decision-making across outfitting and logistics



High-precision 3D body scanning with Anthroscan for fast, automated measurement



Standardized iSize population models for **realistic representation** of force diversity



Demand-driven logistics enabled by **accurate size prediction** and allocation



Reduction of overstocking and warehousing costs through real body data



Scalable integration into existing procurement and logistics systems

CONTACT US

Humanetics Digital Europe GmbH
Europaallee 10 D-67657 Kaiserslautern
P +49 631 343593-00
contact.hdeu@humaneticsgroup.com

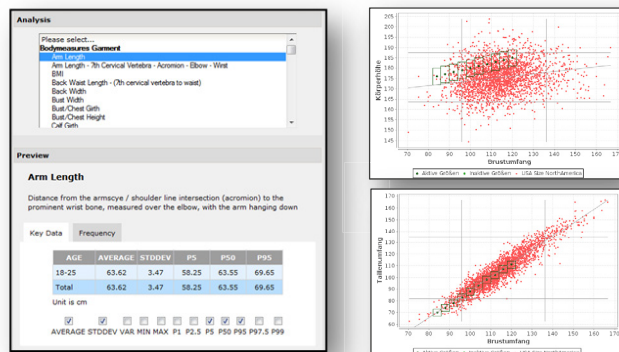
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FROM BODY DATA TO SMARTER LOGISTICS

Traditional logistics processes are often stock-driven, leading to inefficiencies, overstocking, and unnecessary costs. Without accurate knowledge of individual body dimensions, inventory planning must rely on estimates, resulting in unused stock and avoidable expenditure.

xFit replaces this approach with a data-driven model. Using 3D body scanning, individual measurements are captured quickly and accurately, enabling automated size prediction and allocation. This allows logistics systems to transition from stock-based to demand-driven planning, where procurement is aligned with actual needs.



Measurements and Analyses in iSize

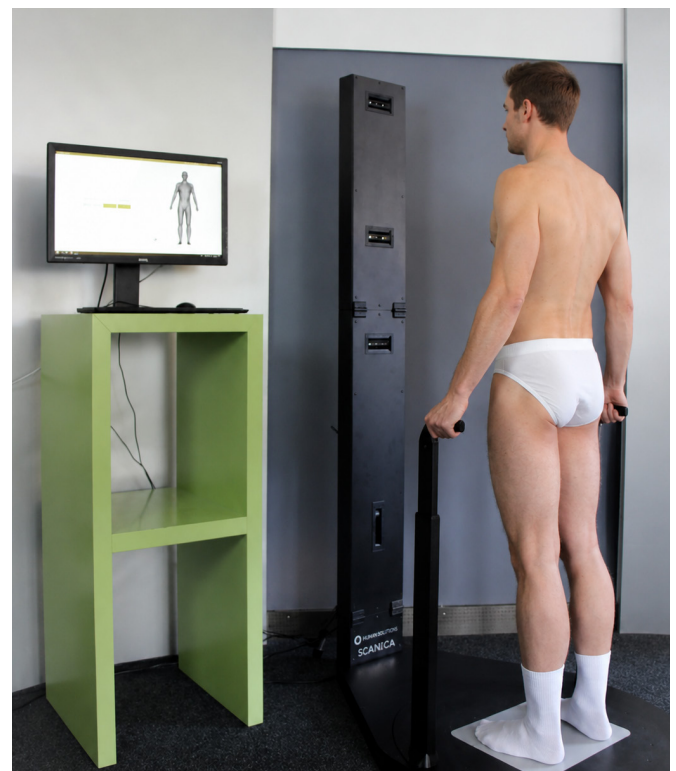
As demonstrated in large-scale studies, integrating 3D body data into logistics processes significantly improves efficiency, reduces fitting time, and minimizes allocation errors.

THE FULL HUMAN DATA ECOSYSTEM

Humanetics provides a unique, end-to-end portfolio that combines high-precision body scanners, large-scale anthropometric databases, iSize population models, and

simulation technologies into one integrated solution for modern organizations.

Anthroscan captures accurate, real-world body data at scale, creating a reliable foundation for downstream processes. Anthroscan Connect enables efficient handling of your scan data, sociodemographic information, and body measurements. iSize transforms this data into standardized digital populations, enabling consistent representation of human variability across systems, regions, and applications.



Anthroscan Mobile 3D

Together, these components create a powerful foundation for data-driven decision-making by improving individual fit, optimizing logistics processes, and ensuring that every investment in clothing, equipment, or workplace systems is aligned with the real people it is designed for.