

Digitizing the Fit Model using 3D Body Scanning Technology

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Body scanning technology allows us to digitize the three-dimensional surface area of the human body in minimal clothing for body measurement or in clothing prototypes for fit assessment. With specialized computer software, a variety of good resolution 3-D visualizations can be created from the data such as triangulations around the coordinate points and smoothed surfaced three-dimensional images. Results of our research evaluating these digital images as tools for fit analysis support the use of digital fit models to improve clothing fit in a target market.