



DELMIA V6

ErGonomics Evaluation

Create and Evaluate Lifelike Manikins

DELMIA Ergonomics Evaluation provides a 3D collaborative environment through which multi-site and multi-discipline users can seamlessly share ergonomic analysis results and the related design changes.

DELMIA Ergonomics Evaluation (EGE) is the core product for creating V6 Lifelike Manikins, with scalable anthropometry (human body dimensions) which represents 5th, 50th and 95th percentile male and female manikins. Users can place a manikin into a V6 3D model and evaluate how a human will interact with a product or workplace during the design process. An intuitive user interface with a wide range of manipulation and analysis tools makes ergonomics assessment accessible to all V6 users.

DELMIA Ergonomics Evaluation features a lifelike manikin that enhances the confidence of the ergonomics evaluation results. The lifelike manikin also expands the scope of this



solution beyond product and manufacturing engineering to other domains such as technical documentation, marketing and communications.

Intuitive manikin creation and positioning

DELMIA Ergonomics Evaluation enables users to easily create manikins of different genders, populations and anthropometry in an immersive 3D environment. Manikins can be rapidly placed anywhere in the virtual environment by simply clicking on a target location or by dragging the manikin to the desired location.

Manikin manipulation

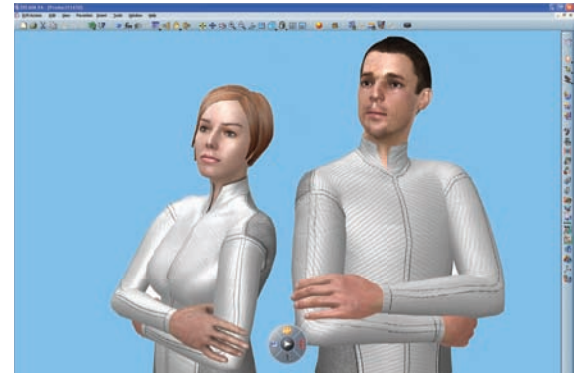
Users can select any part of the manikin's body and position it using the corresponding manipulator (available in an immersive menu) based on the selected segment. Users can also define how any object will be efficiently reached and grasped by the manikin. These pre-defined human "skills" can be re-used for similar objects in the same virtual model.

Ergonomic evaluation of the 3D space

A rich set of ergonomics assessment tools, including detailed reach envelopes, interferences / clashes, vision window and swept volume are easily accessible. Users can also visualize the position of the center of gravity inside the base of support, in order to verify whether the manikin is in balance.

Product Highlights

- Integration of human factors and ergonomics requirements during workplace or product design
- Early detection of potential ergonomic issues
- Customizable manikin attributes
- Manikin vision assessment



DELMIA Ergonomics Evaluation offers the ability to create lifelike manikins to ensure that ergonomics is considered as early as possible in the design process.



Create and evaluate manikins of different genders, populations, stature and weight in an immersive 3D environment.

About Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 115,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes applications provide a 3D vision of the entire lifecycle of products from conception to maintenance to recycling. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product - SolidWorks for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing - ENOVIA for global collaborative lifecycle management, and 3DVIA for online 3D lifelike experiences.

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