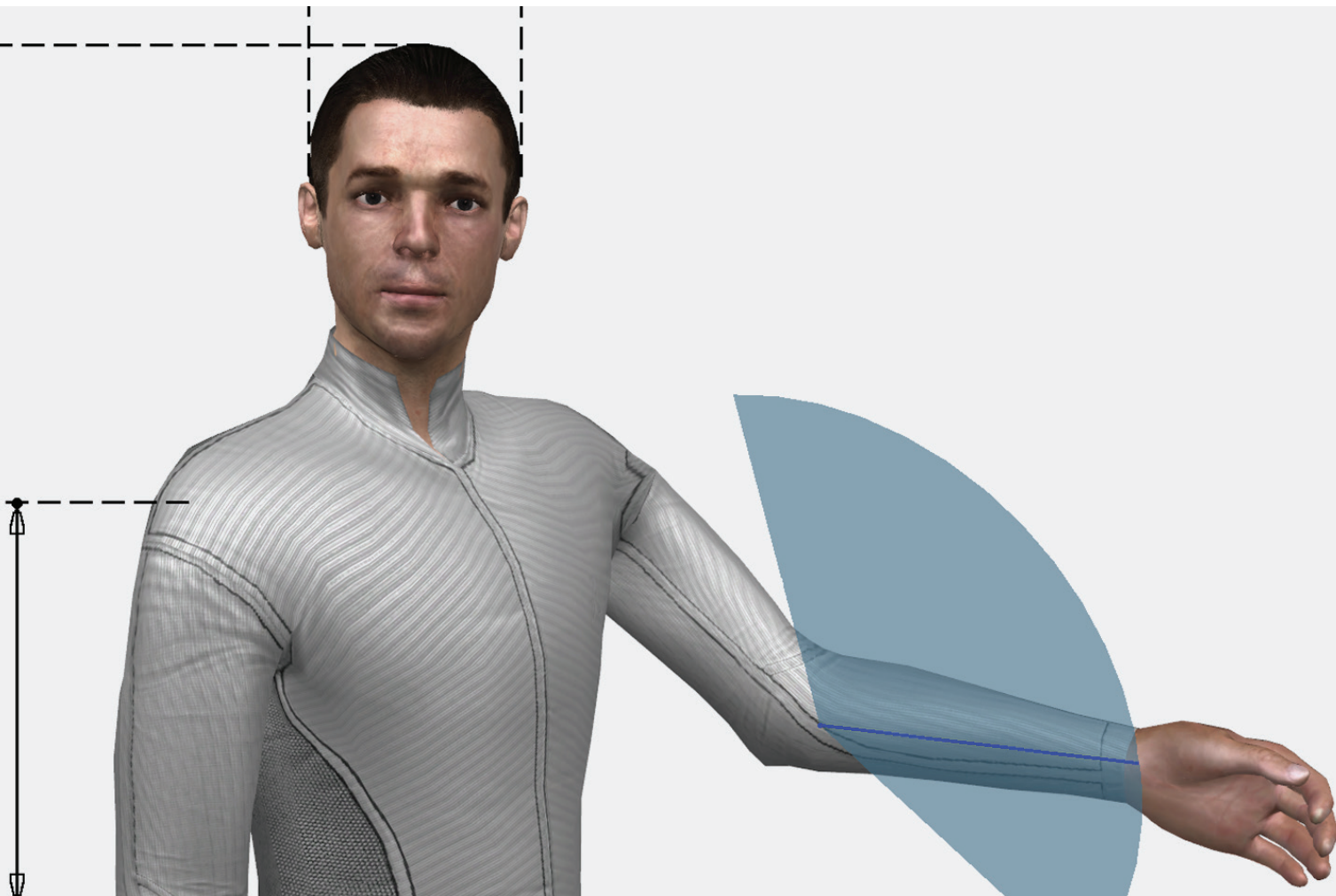


# ERGONOMIST

## 3DEXPERIENCE MANUFACTURING & PRODUCTION ROLE



### CREATE HIGHLY SPECIFIC LIFELIKE MANIKINS

Ergonomist enables greater precision than standard anthropometric body dimensions for virtual manikins.

Ergonomist delivers the ability to create a wide range of boundary manikins, targeted populations, and specific individuals to be used for evaluations that require greater precision. Ergonomist is used for advanced manikin definition to reach highly accurate ergonomics results. Using the **3DEXPERIENCE®** platform, the virtual manikins can be created with more precise manipulation of anthropometric body dimensions. Range of motion of the manikins can be customized and postural scores used to prepare the posture analysis.

### Custom manikin anthropometry

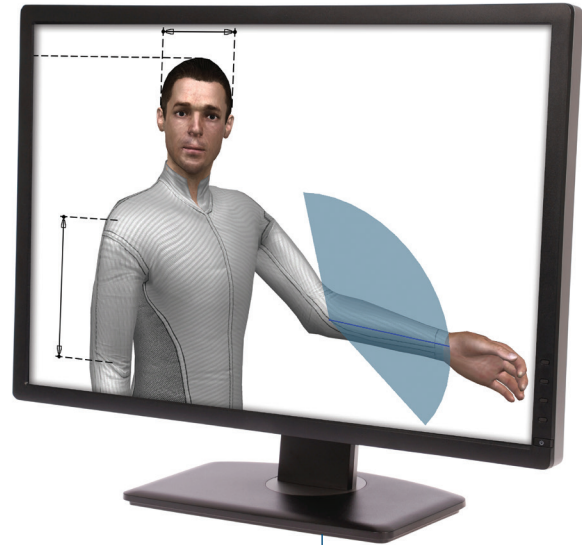
Very detailed manikins are used to represent specific persons, such as a pilot for a customized aircraft, or boundary manikins that cover a selected percentage of a population. In these cases, users can modify any of the 103 variables that define the manikin's anthropometry to make it specific to a person or population. Joint limits can be defined to examine movement restrictions in a variety of situations, including limitations for handicapped workers. Range of motion can be precisely defined.

### Larger range of population percentiles

Ergonomist gives planners access to a larger scope of population files. Manikins can be based on whichever percentile most precisely reflects a specific population.

### Automatically defined variable lengths

Ergonomist provides access to manikin segments with 103 variables. The length of the variable is automatically defined when a population is chosen.



Create any person out of any population or from measurements of a real person



Identify the safest or most comfortable postures using postural scores

### Role Highlights

- Groundbreaking **3DEXPERIENCE** platform
- Manikin creation
- Access to 103 anthropometry variables
- Range of Motion and Preferred Angles edition (Comfort & Safety score)
- Create a wide range of humans
- Customizable range of motion for each joint
- Comfort or safety scoring for postures
- Capture and re-use ergonomic enterprise standards

## Our 3DEXPERIENCE Platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).

