

ERGONOMICS FOR VEHICLE DESIGN

Datasheet



VISUALIZE VEHICLE OCCUPANCY WITH VIRTUAL 3D MANIKINS:

DELMIA ERGONOMICS FOR VEHICLE DESIGN PROVIDES QUICK, SECURE NAVIGATION AT THE LEVEL OF DETAIL YOU NEED.

The DELMIA Ergonomics for Vehicle Design (EVD) solution lets designers identify driver and passenger comfort issues early in the design process to avoid costly, time-consuming changes down the road.

EFFECTIVELY PREDICT OCCUPANT POSTURE WITH VIRTUAL 3D MANIKINS

Using 3D manikins in the V6 virtual environment, designers can simulate the way humans interact with seats, spaces, and controls in a vehicle under design. The experience makes it possible to predict posture and comfort for specific populations selected from a database.

CUT COSTS AND AVOID DESIGN ERRORS BY SPOTTING OCCUPANCY ISSUES EARLY

Posture and comfort issues are revealed at the most cost-effective time – when the design process is just getting under way and live occupants cannot be used. Design errors can be corrected while the cost of changes is minimal.

TAILOR POSTURE-PREDICTION TO YOUR COMPANY'S NEEDS

The posture-prediction algorithm is a proven tool that has an open architecture. Users can create their own knowledge rules to modify the way it is implemented – for example, to change the position of the driver's hands on the steering wheel.

RE-USE AND SHARE THE POSTURE OF THE MANIKINS ACROSS DESIGN DISCIPLINES

Users are able to share the simulations they develop with designers of seats, internal architecture, ergonomics factors, and other disciplines. They can collaborate throughout the design process using the manikins.

PRODUCT HIGHLIGHTS

- Precise automatic positioning of drivers and passengers
- Automatic SAE standards compliance
- Posture prediction based on precise anthropometry
- Enterprise-accessible reporting
- Seat and steering wheel parameter adjustment capability



Derive a posture prediction based on precise anthropometry.



Discover posture and comfort issues early in the design process.

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