

# Occupant Packaging Toolkit for Jack

## Design and test vehicle interiors with digital humans

### Benefits

- Assess human needs from design start
- Minimize need for physical prototypes
- Improve performance, comfort and product safety
- Accelerate time-to-market
- Decrease design costs

### Features

The Occupant Packaging Toolkit provides tools for:

- SAE packaging J-Standards
- Posture prediction
- Comfort assessment
- Vision analysis

### Summary

With Tecnomatix® software's Occupant Packaging Toolkit for Jack™, designers can analyze concept vehicle interiors for human factors issues without building costly physical prototypes.

### What is the Occupant Packaging Toolkit?

Designing better interior spaces for cars, trucks, airplanes and construction equipment can be a challenge. The Occupant Packaging Toolkit (OPT) for Jack addresses this challenge by providing analytical tools that help you design vehicle interiors for optimal occupant performance and comfort while reducing the need to build costly physical prototypes. OPT is an add-on module to Siemens PLM Software's Jack human simulation and ergonomics analysis solution.

The unique set of tools in the OPT module allows you to perform a wide variety of analyses on your vehicle design. You can benchmark against other vehicles or design candidates using the extensive SAE J-Standards tools. You can predict how a person might posture themselves in the vehicle, and evaluate how comfortable they would be. You can also analyze what they can reach and see.

The powerful vision analysis capability allows you to quickly generate 3D design zones representing what can be seen, or what cannot, and obtain feedback on how much of a target is visible.



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