Optimizing seat trim engineering with the Mastertrim digital twin

A digitally author product definition

Quickly transform your CAD system into a seat trim engineering solution to create a complete digital twin definition.

Validate the design

Analyze producibility and generate patterns automatically without a prototype. Quickly check that cost targets are met.

Automate deliverables

Automatically generate drawings, bills of materials, quotes and manufacturing instructions.

The benefits

Reduce time to develop proof of concept and initial flat patterns from days or weeks to hours.

90% reduction in time to create drawings, manufacturing documentation and quotes.

Reduce time to make process changes and update deliverables by 75%.

Increase accuracy of cost estimates and quotes to within 2% or less.

80%+ reduction in time to make process changes and update deliverables by 75%.

Increase accuracy of cost estimates and quotes to within 2% or less.

15+ years Siemens PLM Software has driven seat trim engineering for the last 15+ years.

Expertise

The world’s top seat trim engineers choose Siemens PLM Software because of comprehensive expertise, broad leadership, and unmatched momentum in the automotive industry.

Leverage the digital twin with Mastertrim

A digital twin is a complete computer model that provides the means to design, validate and optimize products and processes in the virtual world.

The Mastertrim™ portfolio creates a digital twin to help companies work smarter in the seat trim engineering process.

Actions companies must take now

Streamline collaboration

Minimize physical prototypes

Increase efficiency

Streamline collaboration between styling, design and manufacturing, global divisions, OEMs and the supply chain.

Minimize reliance on physical prototypes.

Be more efficient and accurately validate the design, producibility and costs.

Changes in the automotive landscape

Leveraging the digital twin with Mastertrim

A quickly evolving industry

The car of the future is a living room on wheels. (Source: New York Times, June 15, 2017)

Buyer decision making

More focus and importance is given to interiors quality and appeal.

Time-to-market

Pressure to shorten a five-year design cycle to two years.

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