



KARL MAYER

WE CARE ABOUT YOUR FUTURE

SimulationX enables virtual, mechatronic machine design and development for KARL MAYER.

Founded in 1937, KARL MAYER began the development and production of warp knitting machines in 1947. The company became the world's number one manufacturer of warp knitting machines, the driving force in the production of warp preparation machinery, and an expert in every aspect of the textile warp.

SIMULATION X



»Our machines are mechatronic systems which require virtual mechatronic modeling. SimulationX is the innovative interdisciplinary solver we could use for all kinds of mechatronic product development.«

Gerhard Pregitzer, Head of Technical IT,
KARL MAYER Textilmaschinenfabrik GmbH

Challenge

Developing complex mechatronic systems faster – using the computer

Simulation and virtual verification are becoming more important to product development at KARL MAYER. A tool for the interdisciplinary modeling and simulation of complex mechatronic systems is needed to ensure high quality engineering solutions for a very competitive market.

Solution

SimulationX Professional Edition

Comprehensive base libraries, simple library extension and an easy-to-use UI: SimulationX provided everything simulation software of the 21st century should offer. By allowing the evaluation of new mechatronic concepts, immediate validation capabilities, and the rich interfacing possibilities it contributed to virtual mechatronic machine design in a laboratory environment.

Benefits

Higher productivity and better efficiency

With its wide application scope SimulationX delivers new tools and possibilities within the development process. All mechatronic aspects can be virtually investigated without complex modeling efforts. This resulted in a higher productivity during a mechatronic laboratory benchmark.