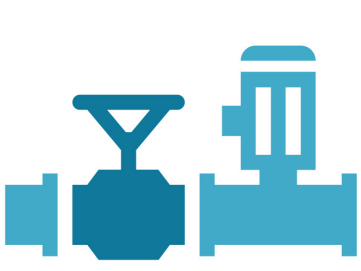
SIEMENS

Multiphysics simulation and testing for machine and component validation

Virtually explore real-world physical interactions



Fluid force performance

Thermal effects

Structural integrity

Noise and vibration

Energy efficiency

How does multiphysics simulation and testing work?

- Increase collaboration to unite domain experts and exceed customer expectations
- Drag and drop components into simulations for fast analysis and validation
- Merge virtual and physical results for a more complete digital twin

Find improvements in...

Machine performance

Reduced energy consumption by **30%**

Picanol

Safety

Developed quieter, safer machines in half the time

Shenyang Machine Tool

Reliability

More accurate machines with **20%** fewer prototypes

Ronchi Mario

Cost-effectiveness

Saved **$2500** per unit during development

Taco Comfort Solutions

Design and build more productive, energy-efficient machines and components using multiphysics simulation

Learn more about simulation solutions
Download the white paper at:
Digital twin simulation for machinery

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