



the optimization company

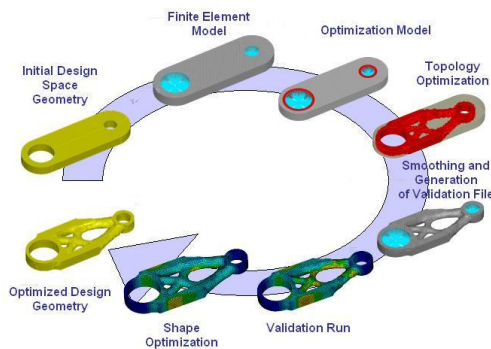


FE-DESIGN GmbH (Germany) – the optimization company Solutions for topology, shape and bead optimization tasks

FE-DESIGN, the technology leader in topology, shape and bead optimization solutions since one decade, is helping customers worldwide to improve their products from the first draft design through the final series-production.

The optimization system TOSCA Structure

TOSCA Structure is a modular built-on system for a non-parametric structural optimization of mechanically-stressed components.



Design Process with ANSYS Workbench and TOSCA Structure

TOSCA Structure modules:

Topology optimization – conceptual designing yielding lighter and stiffer structures.

Shape optimization – minimizes the stresses or damage by automatically mesh smoothing and modifying the surface geometry.

Bead optimization – improving the static and dynamic properties of shell structures.

Benefits of using TOSCA Structure:

- **Improve designs:** higher stiffness, lower mass, stress reductions
- **Decrease development times** by eliminating the number of trial and error cycles in the design process.
- **Utilize your ANSYS knowledge and IT- environment** in conjunction with efficient optimization using TOSCA Structure.