

Virtual.PYXIS

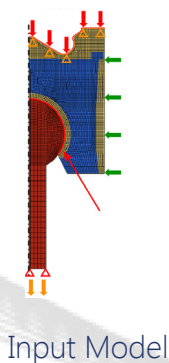
optimization

The topology optimization software you need

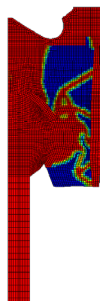
Success Case

Piston

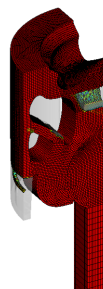
- ▶ *Validation according to Thyssenkrupp requirements (traction and compression loads)*
- ▶ *Pinless assembly with a complex nonlinear static analysis using contact with friction*
- ▶ *Flexible mechanism (compliant mechanism)*
- ▶ *Maximization of compliance, minimization of stiffness*
- ▶ *Objective: avoid the piston opening during inertia load*



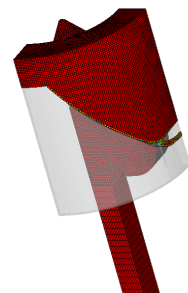
Input Model



Optimized Model



Final Model



Final Model

Courtesy:

