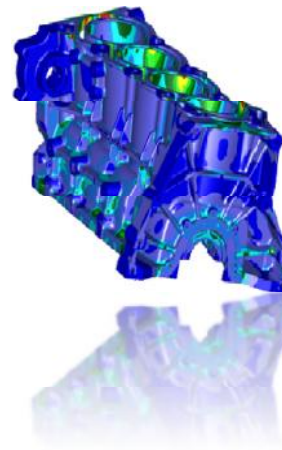
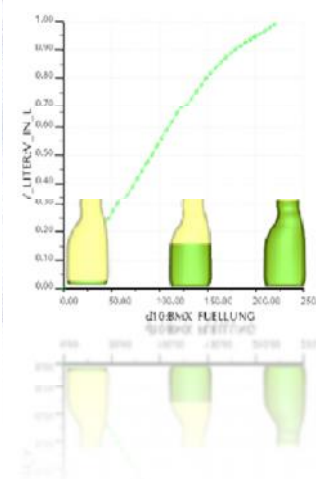


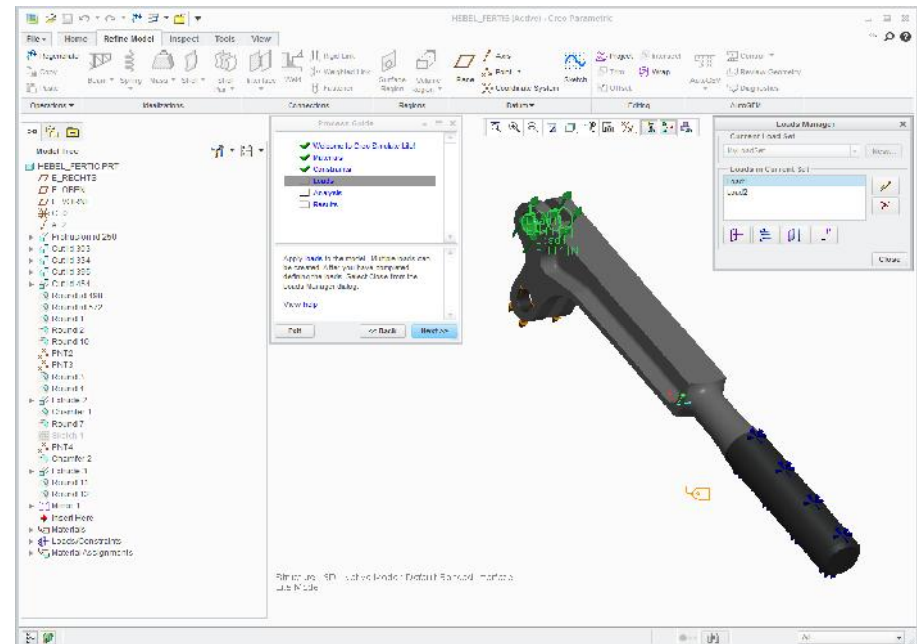
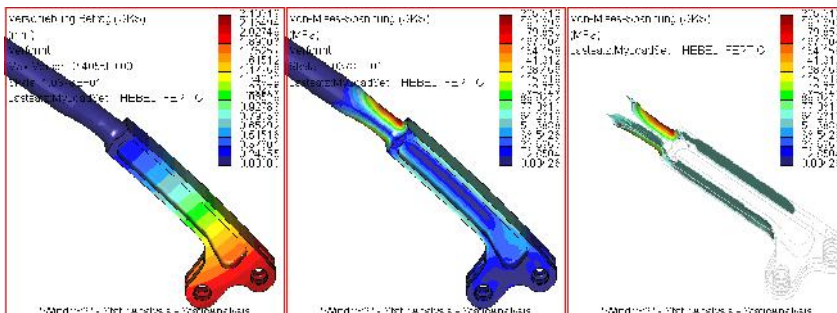
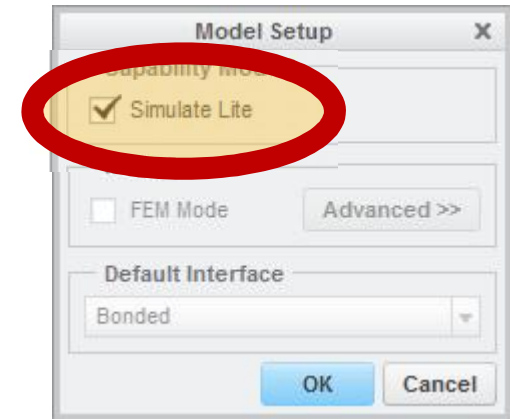
Capabilities:

- Creo 1.0 Simulate Lite
- Creo 1.0 Simulation Extension (or Creo 1.0 Simulate)
- Creo 1.0 Advanced Simulation Extension



Capabilities Creo 1.0 Simulate Lite

- Linear Static Only / Steady State Thermal Analysis (Single Pass Convergence)
- Solid Models only – no Shells, no Beams, Springs, ...
- Parts or Assemblies – limited to 200 Surfaces (A Cylinder has 4 Surfs – 2 End-, 2 Cylindrical-Surfs)
- Only bonded Interfaces in Assemblies (no Contact, no free Interface)
- Loads: Force/Moment, Pressure, Gravity
- No Surface or Volume Region Capability
- Material: linear isotropic only
- Results: NO limitations

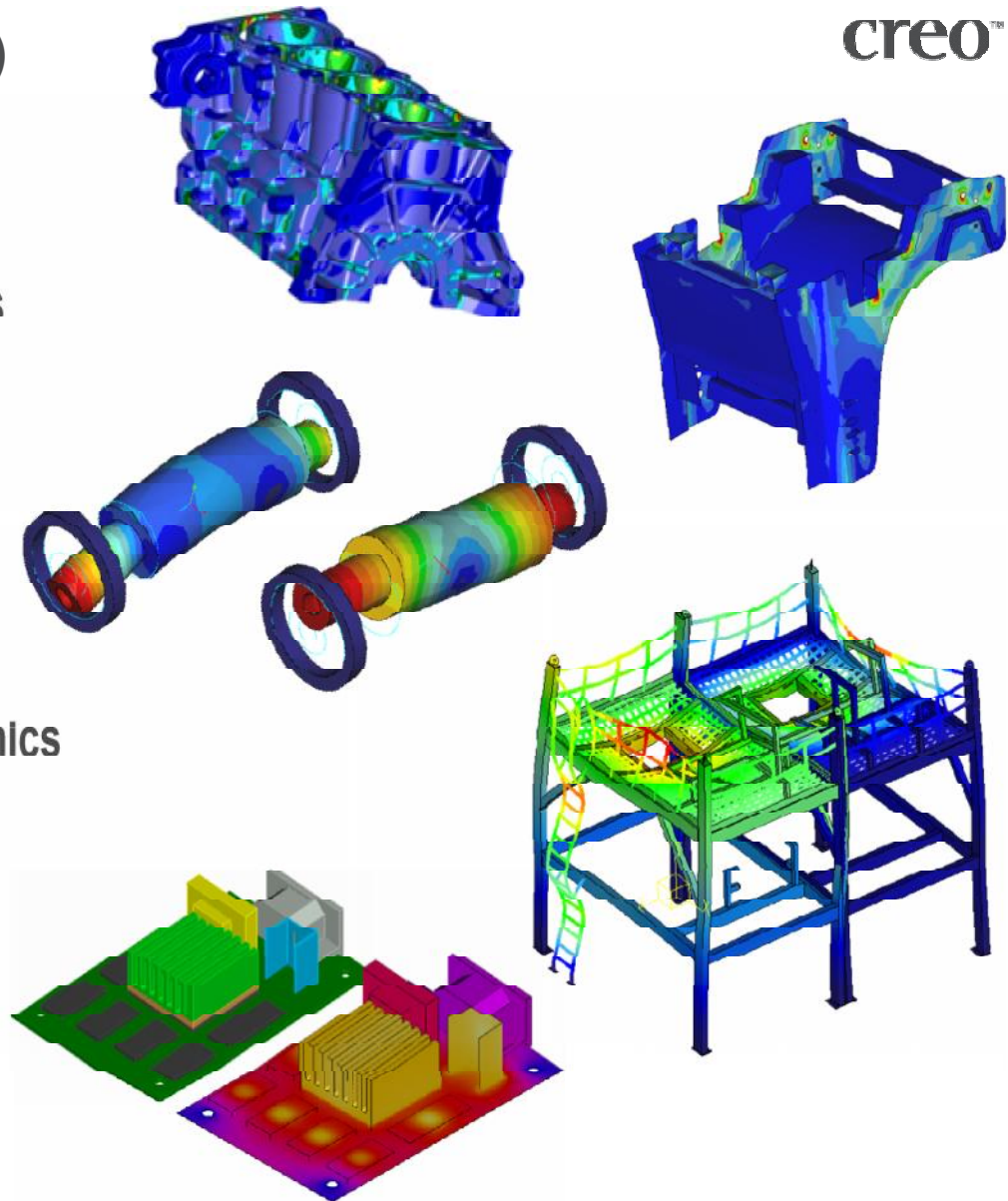


Capabilities Creo 1.0 Simulation Extension (or Creo 1.0 Simulate)

PTC®

creo™

- Static Analysis (incl. Contact / no Friction)
- Modal Analysis
- Buckling Analysis
- Steady State Thermal Analysis
- Sensitivity-Studies / Optimization -Studies
- Mirror- / Cyclic Symmetry / Inertia Relief Constraint
- Isotropic Material
- Beams
- Spot-, End- and Perimeter-Welds
- Simple Shells / Masses / Springs / Screws
- Load Transfer to MDO (Mechanism Dynamics Option)
- FEM-Mode (Standard-Mesher)



Capabilities Creo 1.0 Advanced Simulation Extension



- Capabilities of Creo 1.0 Simulation Extension (or Creo 1.0 Simulate)
- Contact incl. “infinite” Friction
- Large Displacement Analysis(incl. Contact, Non-linear Material, Snap-through)
- Pre-stressed Analysis (static, modal)
- Dynamic Analysis (Time, Frequency, Random, Shock)
- Transient Thermal Analysis
- 2D-Models (Axisymmetric, Plane Stress / Plane Strain)
- Transversely Isotropic / Orthotropic / Hyperelastic / Elastoplastic Material
- Advanced Shells / Masses / Springs / Screws
- Advanced Meshing Capabilities
- Rigid / Weighted Links
- Independent Mode
- FEM-Mode (“INRIA”-Mesher)

