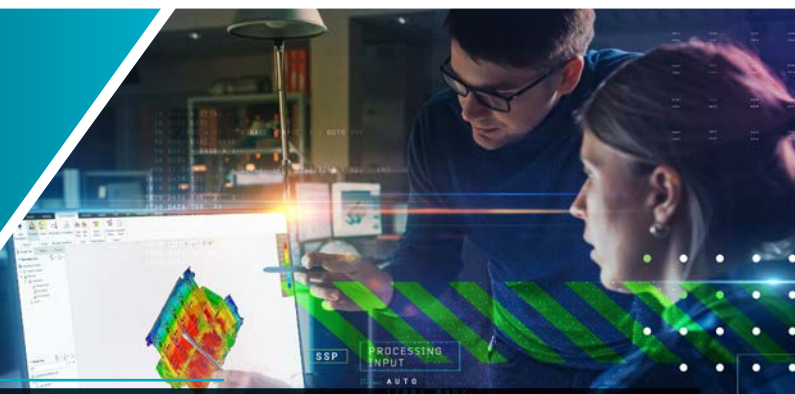




CREO GENERATIVE TOPOLOGY OPTIMIZATION EXTENSION (GTO)



Deliver your best designs in less time with Creo Generative Topology Optimization

You need to design and develop new, innovative products that appeal to customers and meet performance objectives. How much time and money will that take you? Where will you get the new ideas?



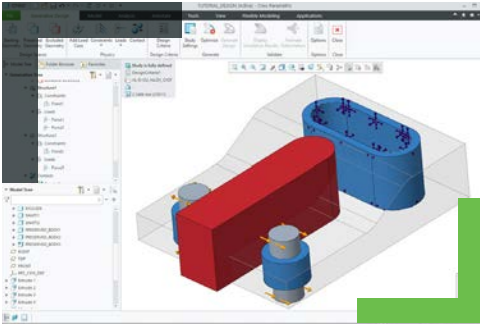
Turn to generative design. Generative design autonomously creates optimal designs from a set of system design requirements you specify, producing a manufacture-ready design as a starting point or as a final solution.

Generative Topology Optimization Extension (GTO) works within the Creo design environment to turn your ideas into reality easily, and automatically delivers a high-quality, lower-cost manufacturable design. With GTO, the software takes over after you set the design criteria, goals and objectives. Your designs are quickly generated, optimized to meet your requirements, and converted into rich B-rep geometry. Choose to work with established manufacturing processes or cutting-edge additive manufacturing.

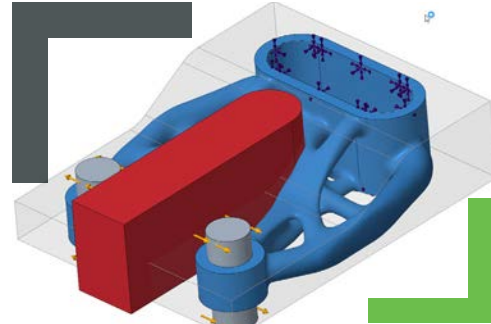
FEATURES AND BENEFITS

- Ease-of-use, including the familiar Creo UI and workflow. Familiar UI ribbon with context-sensitive menus.
- Easy set-up. Chose design criteria, goals and objectives. Your optimized designs are quickly generated.
- Define manufacturing constraints for additive as well as traditional manufacturing process.
- Faceted results are automatically converted to manufacturable geometry.
- Structural, modal, and thermal analysis.*

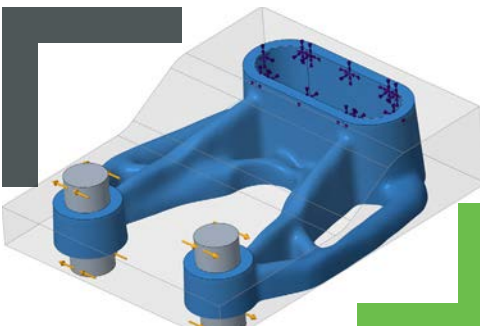
Model set-up in familiar Creo UI >



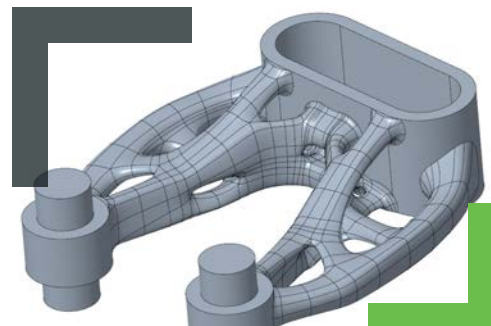
Optimization preview with simulation results >



Optimization preview, milling >



Reconstructed Result >



Creo is a 3D CAD solution that helps you build better products faster by accelerating product innovation, reusing the best of your design and replacing assumptions with facts. Go from the earliest phases of product design to a smart, connected product with Creo. And with cloud-based augmented reality in each seat of Creo, you can collaborate with anyone, instantly at any step in the product development process. In the fast-changing world of the Industrial IoT, no other company can get you to substantial value as quickly and effectively as PTC.

*Available in Creo 7.0.2.0

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