

The Most Powerful Generative Design Software

- Lighter Designs
- Better Physical Performance
- Output is Ready for Manufacturing and CAD agnostic

Trailing Arm for Mini Cooper

Automotive



Well Spokes for Mini Cooper

Aerospace



Manifold Lightweighted Design -
56% weight reduction

Motorcycles



ECOSSE Motorcycle Engine Mount
Bracket - 35% weight reduction

Medical



Femur Bone - Meso-Structural
design by ParaMatters



Auto-Generates Parts for Real-World Engineering with Build-in FEA

CogniCAD by **ParaMatters** is the only generative software product with a fully automated workflow based on in-house developed Topology Optimization, High Resolution Finite-Element Analysis and Computational Geometry, that requires no manual adjustment or reconstruction. Designs generated by CogniCAD™ satisfy all challenging design requirements, compatible with all CAD systems and ready for manufacturing within tens of minutes up to few hours.

- Design for stress, stiffness, deformation and vibrations constraints
- Robust feature-size control
- High Fidelity Designs and Unprecedented FEA Resolution
- Smooth and watertight models ready for AM (STL) and Automatic Conversion to CAD (STEP)
- User-friendly and Intuitive UI

