Dicastal’s aluminum wheels are in the automobile industry both as a structural component and an outer part. For its 2016 Honda Civic, Dicastal developed a lightweight wheel utilizing topology optimization techniques to identify material that could be removed from the part without negatively impacting safety or durability requirements. The optimization study needed to work within a tight design space which was dictated by the exterior styling of the wheels.

**Category:** Module

**Application:** 2016 Honda Civic

**Methodology:** Topology & Structural Optimization

**Weight Savings:** 5% savings from previous model