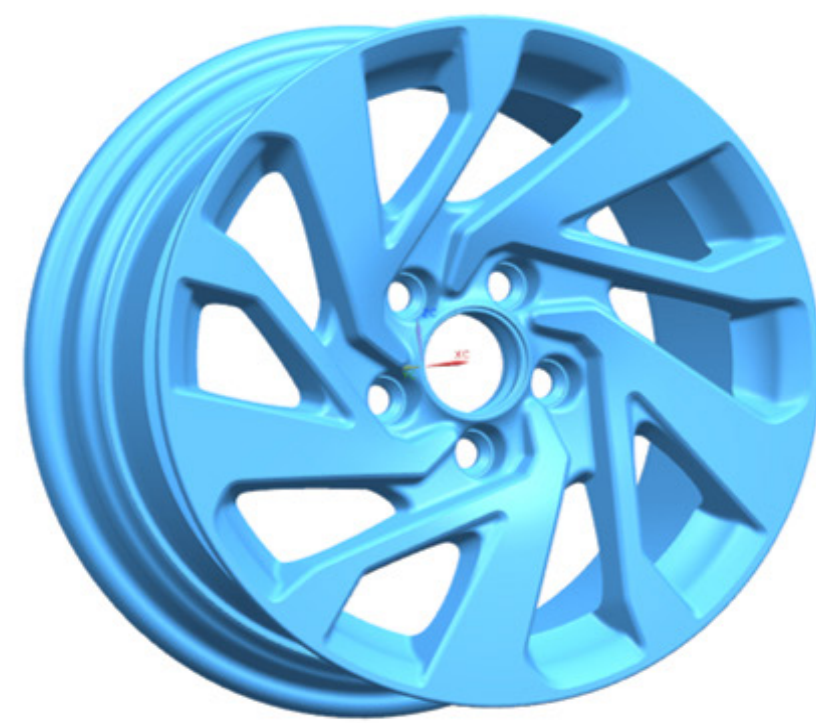


2016 Enlighten Award Nominee



Dicastal

Dicastal's Aluminum Wheel



Dicastal's aluminum wheels are in the automobile industry both as a structural component and an outer part. For it's the 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

Weight Savings:
5% savings from
previous model

Methodology:
Topology & Structural Optimization