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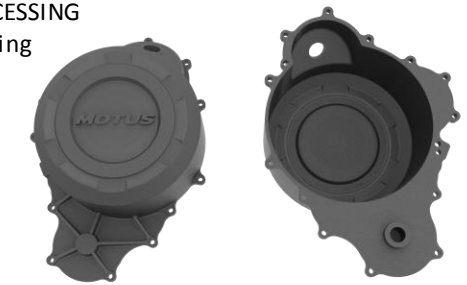
AUTOMOTIVE - PROTOTYPING APPLICATIONS

MOTUS MOTORCYCLES has developed a new motorbike model, in which process used 3D printing technology to reduce costs and go to market times, thanks to rapid prototyping. HP Multi Jet Fusion accelerated design iterations, being able to design, test and validate parts in less than one week. The same design process with traditional manufacturing would last 3 weeks per iteration.

One of the go to market validations is the shape fit of the parts in the overall motorbike assembly. This test would have been considerably much more expensive using traditional materials and manufacturing processes. Instead of that, using 3D printing technology the shape fit test resulted up to 80% cheaper using HP 3D HR PA 12 material with HP Multi Jet Fusion

ENGINE COVER

- MATERIAL
  HP 3D High Reusability PA 12
- POST PROCESSING
  Bead Blasting



MANIFOLD COVER

- MATERIAL
  HP 3D High Reusability PA 12
- POST PROCESSING
  Bead Blasting

MOTORBIKE MANIFOLD

- MATERIAL
  HP 3D High Reusability PA 12
- POST PROCESSING
  Bead Blasting

INNER MANIFOLD

- MATERIAL
  HP 3D High Reusability PA 12
- POST PROCESSING
  Bead Blasting