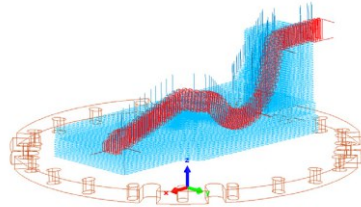


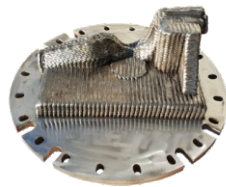
SHEET METAL CUTTING AND FORMING TOOL OF THE AUTOMOTIVE INDUSTRY



Metal printed part



CAD model



Metal printed part

TECHNICAL DATA

Machine: arc405

Dimension [In/mm]:

L= 11.14in / 283mm

W= 4.84in / 123mm

H= 5.71in / 145mm

Wire:

Base Body:

1.4316 | Ø 0.04in / 1.0mm

Blade:

1.4718 | Ø 0.04in / 1.0mm

Print Mass:

1.4316 | 31.08lb / 14.1kg

1.4718 | 2.20lb / 1kg

Printing time: 8.50h

INFORMATION ON THE COMPONENT PART

- Production of the base body from 1.4316 and the blade from 1.4718 (HRC 55) in one production step.
- Conventional manufacturing technology: casting & milling.
- Problems with the procurement:
 - » Long delivery times of the cast part.
 - » Many production steps.
 - » During the development many adjustments are made, which have to be implemented quickly.
 - » Short procurement time is a requirement for a short development phase.

ALTERNATIVES TO CONVENTIONAL MANUFACTURING TECHNOLOGIES 3DMP®

- Fast and flexible procurement of the near-net shape blank as required.
- Saving of manufacturing steps (e.g. hardening).
- Reduction of the required turning/milling time.

BENEFITS OF 3DMP®

-  Reduction of manufacturing time
-  Cost savings
-  Small units
-  Material savings
-  Fast customization

FABRICATION | ADDITIVE | SUBTRACTIVE | TECNOLOGY

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