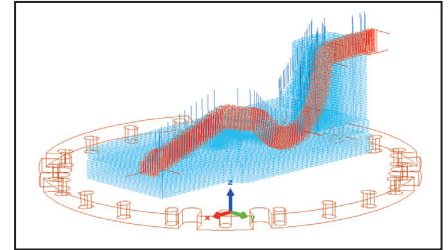


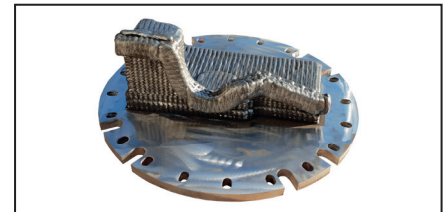
SHEET METAL CUTTING AND FORMING TOOL OF THE AUTOMOTIVE INDUSTRY



Partly finished part



CAM model



Metal printed part

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

TECHNICAL DATA

Machine: arc405

Dimensions [mm | inch]:

L = 283 | 11.1

H = 123 | 4.8

W = 145 | 5.7

Wire:

- Base body: 1.4316 | Ø 1.0 mm
- Blade: 1.4718 | Ø 1.0 mm

Printing mass:

- 1.4316 | 14.1 kg | 31.1 lb
- 1.4718 | 1 kg | 2.2 lb



Printing time: 8.50 h

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

ANY QUESTIONS?

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