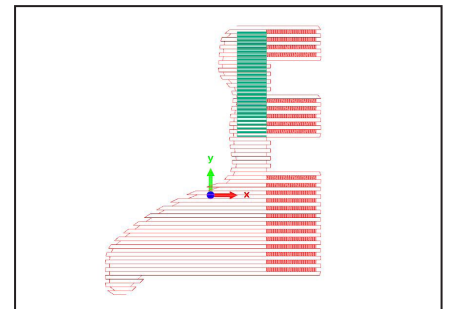


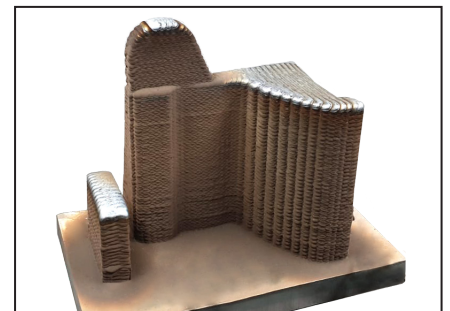
SECONDARY ROLL STOP OF DEUTSCHE BAHN



Finished part



CAM model – top view



3DMP® part

INFORMATION ON THE COMPONENT PART

- Application: high speed ICE trains
- Mobility relevant component in the bogie area of ICE trains
 - Ensures safe passage of trains in tight curves (the box gate limits the lateral play of the car body)
- Conventional manufacturing technology: casting process
- Problems with spare parts requirement:
 - Delivery times of the spare part: min. 10 months

TECHNICAL DATA

Machine: arc405

Dimensions [mm | inch]:

L = 250 | 9.8

W = 216 | 8.5

H = 312 | 12.3

Wire:

SW 100S NiMoCr | Ø 1.2mm

Printing mass: 36.3kg | 800.3lb

Printing time: 26.00h

ALTERNATIVES TO THE CASTING PROCESS

3DMP®

- Fast and flexible procurement of the near-net shape blank as required
- Reduction of the required turning/milling time

MILLING FROM SOLID

- High storage costs of wrought material
- Long delivery times of wrought material
- High utilization of turning/milling centers

BENEFITS OF 3DMP®

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

ANY QUESTIONS?