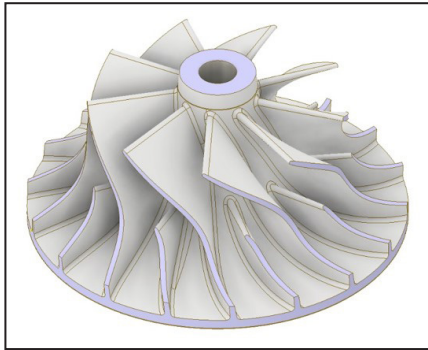
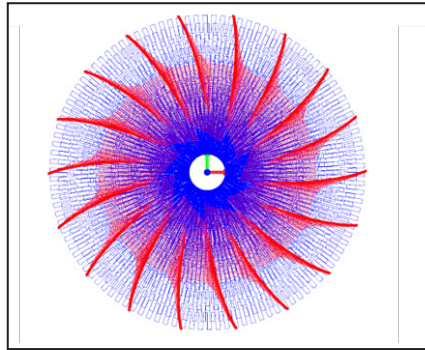


IMPELLER



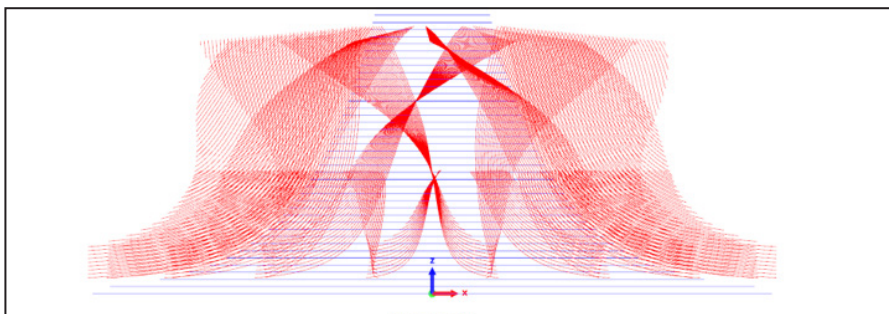
CAD model



CAM model – top view



Metal printed part



CAM model – side view



Partly machined part

INFORMATION ON THE COMPONENT PART

- Application: Turbocharger for marine diesel engines
- Conventional manufacturing technology: Milling
- Problem with conventional procurement:
 - Very high chip volume → high costs of milling
 - High storage costs of geometry-dependent wrought material
 - Long delivery times of wrought material
 - High utilization of turning/milling centers

TECHNICAL DATA

Machine: arc405

Dimensions [mm | inch]:

D = 290 | 11.4

H = 120 | 4.7

Wire: 1.4370 | Ø 1.0 mm

Printing mass: 19.4 kg | 42.8 lb





Printing time: 7.00 h

ALTERNATIVE TO THE MILLING PROCESS

3DMP®

- Fast, flexible and just-in-time procurement of the near-net-shape blanks as required
- Reduction of the required turning/milling time
- Reduction of the chip volume

BENEFITS OF 3DMP®

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

ANY QUESTIONS?

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