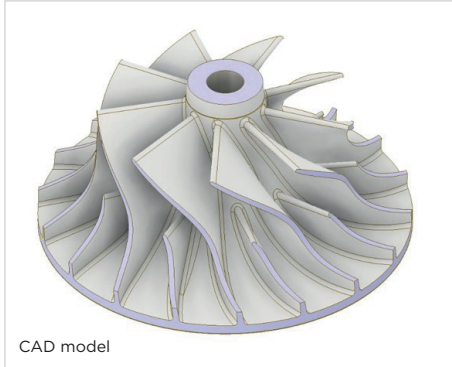
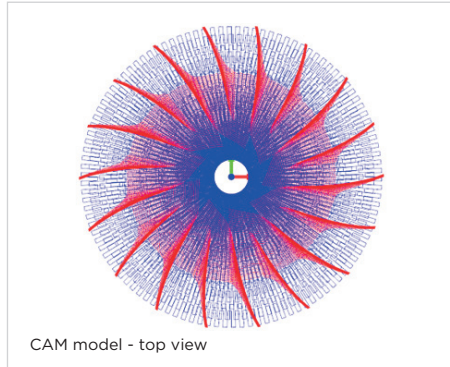


IMPELLER



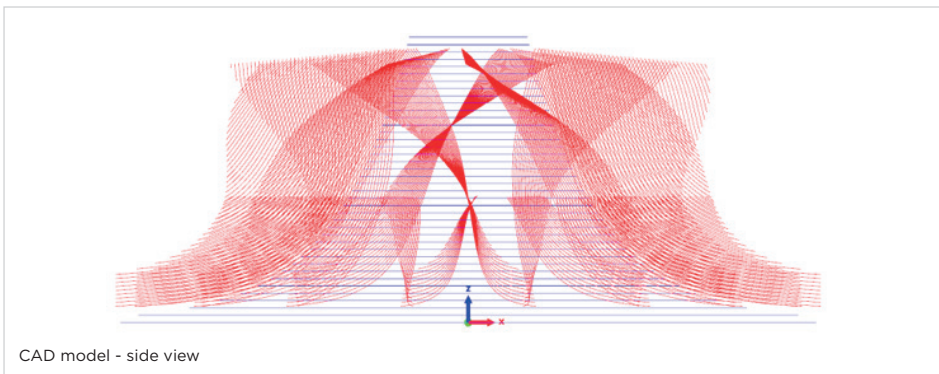
CAD model



CAM model - top view



Metal printed part



CAD 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

ALTERNATIVES TO THE CASTING PROCESS / 3DMP®

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

TECHNICAL DATA

Machine:
arc405

Dimension [mm]:
D = 290 | H = 120

Wire:
1.4370 | Ø 1,0 mm

Printing mass:
19,4 kg

Printing time:
7,00 h

BENEFITS OF 3DMP®

- 🕒 Reduction of manufacturing time
- 💰 Cost savings
- 📦 Small units
- 🔪 Material savings