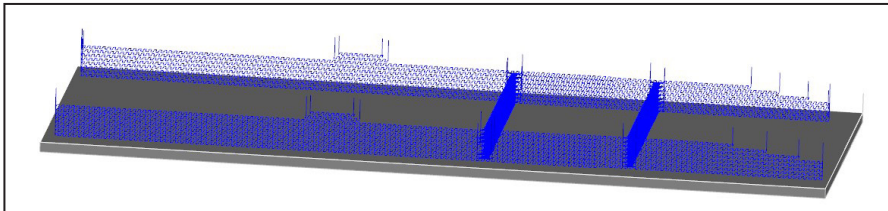


AIRCRAFT PHILIPP – SPAR



CAM model

INFORMATION ON THE COMPONENT PART

- Component in approval
- Spar on Bombardier CRJ aircraft
 - Part of the powerplant suspension
- Class 1 component = the aircraft cannot take off if the component is missing
- Conventional manufacturing technology: chipping
- Problems with spare parts requirement:
 - High tool costs
 - Time-consuming roughing process
 - 96% chipping effort: titanium block: 36 kg
→ finished part: 2.5 kg

TECHNICAL DATA

Machine: arc603

Dimension [mm]:
 L = 772
 W = 230
 H = 25.4

Wire: Titanium | Ø 1.2mm

Printing mass: 2.7 kg




Printing time: 2.25 h

ALTERNATIVES TO CHIPPING

3DMP®

- Reduction of the tooling costs
- Savings on roughing
- Reduction of the milling time
- Reduction of the Buy-to-Fly ratio from >10 to <2

BENEFITS OF 3DMP®

-  Material savings
-  Cost savings
-  Reduction of Buy-to-Fly ratio

FURTHER QUESTIONS?