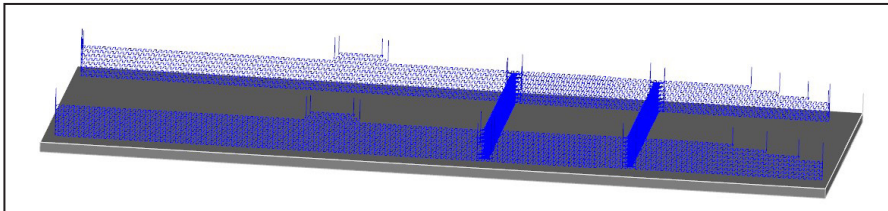




AIRCRAFT PHILIPP – SPAR



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 | 79.4 lb
→ finished part: 2.5 kg | 5.5 lb

TECHNICAL DATA

Machine: arc603

Dimensions [mm | inch]:

L = 772 | 30.4

W = 230 | 9.1

H = 25.4 | 1.0

Wire: Titanium | Ø 1,2 mm

Printing mass: 2.7 kg | 6 lb


Printing time: 2.25 h

ALTERNATIVES TO CHIPPING

3DMP®

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

BENEFITS OF 3DMP®

-  Material saving
-  Cost savings
-  Shortening of Buy-to-Fly ratio

FURTHER QUESTIONS?