



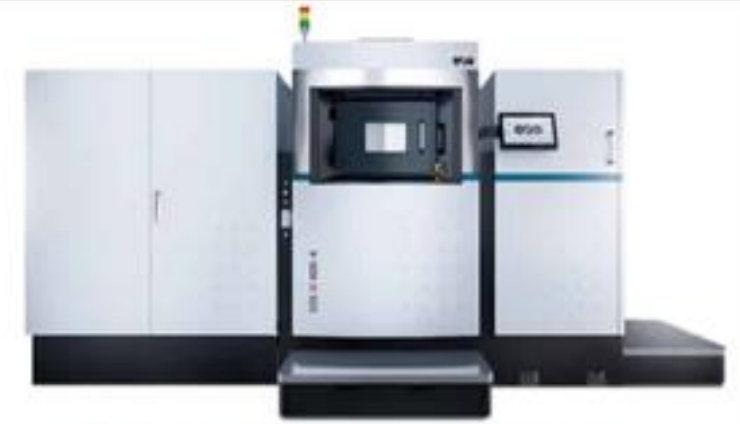
M2 CUSING: (MODALITY – LPBF)

- Bed Size : 250 X 250 X 350 mm (x, y, z)
- Materials : Alsi10Mg, SS316L, CoCr, In718
- Laser Power : 2 x 400 W
- Layer Thickness : 20 - 80 μ m (depends on material))
- Location : Bengaluru



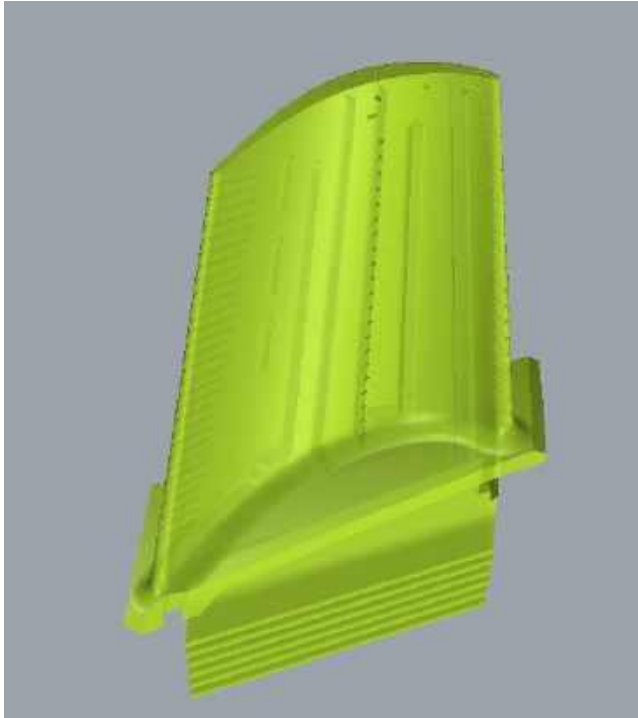
EOS M290: (MODALITY – LPBF)

- Bed Size : 250 x 250 x 325 mm (x, y, z)
- Materials : Alsi10Mg, SS316L, SS 15-5 PH, In718
- Laser Power : 400 W
- Layer Thickness : 20 - 70 μ m (depends on material)
- Location : Bengaluru / Pune



EOS M400-4: (MODALITY – LPBF)

- Bed Size : 400 x 400 x 400 mm (x, y, z)
- Materials : Alsi10Mg, In718, Ti64
- Laser Power : 1000 W
- Location : Bengaluru / Pune



Sector: Defense

Material: Inco 718

Weight: 200 gr



Part: HPT Blades – Helicopter engine rotating part

Dimensions: 125mm x 75mm x 25mm

Air Vents - Channels for Cooling Purpose





Sector: Defence

Material: Inco 718

Weight: 340 gr



Part: LPT Blades – Helicopter engine rotating part

Dimensions: 180mm x 80 mm x 30 mm

Fir-Tree features for locking Rotary Part is machined post AM



Sector: Defense

Material: Inco 615

Weight: 16 kg



Part: Flame Tube – Helicopter engine stationary part

Dimensions: dia 560 mm, height 430 mm

Produced in sectors, laser welded and CNC machined



Sector: Aerospace

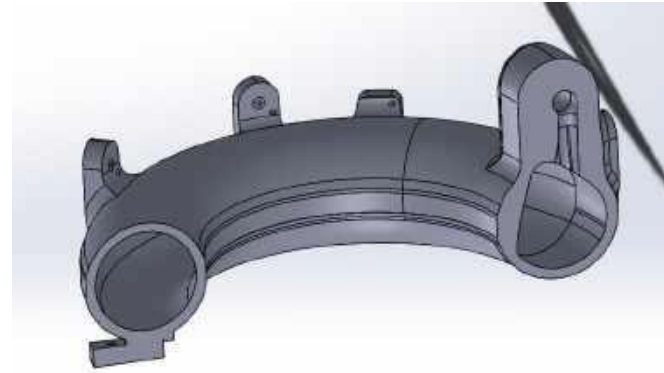
Material: Ti 6-4 ELI

Weight: 6 kg

Part: LPFT Stator – Turbomachinery stationary part

Dimensions: dia 230 mm, height 150 mm

Undercut blade vanes w/o support marks to get desired quality



Sector: Defense

Material: Ti 6-4 ELI

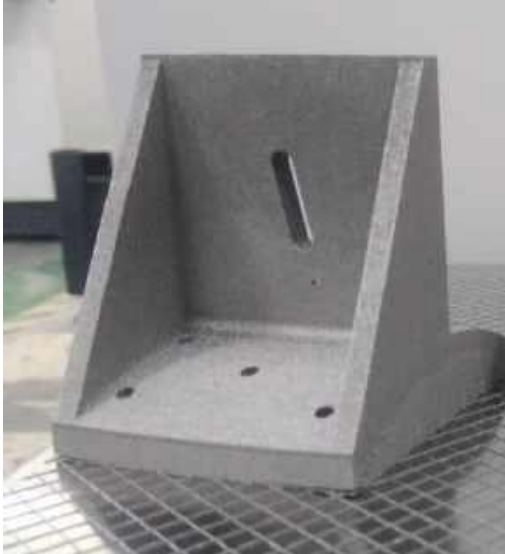
Weight: 0.7 kg

Part: Air Bottle Assembly

Dimensions: dia 120 mm, height 69 mm

Completely hollow doughnut shape, eliminated Seam Welding to increase strength

Brackets- Aerospace



Sector: Aerospace

Material: SS 316L

Weight: up to 8 kg



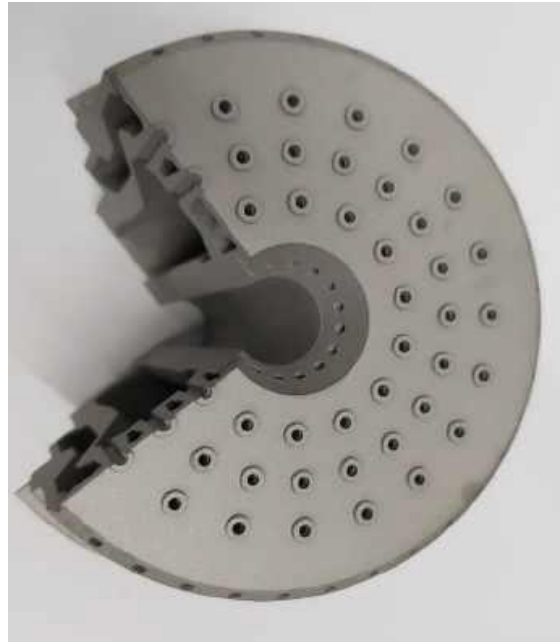
Part: Bracket - Structural samples

Dimensions: up to 240mm x 220mm x 200mm

Light weight high strength geometries with GD&T Integrity



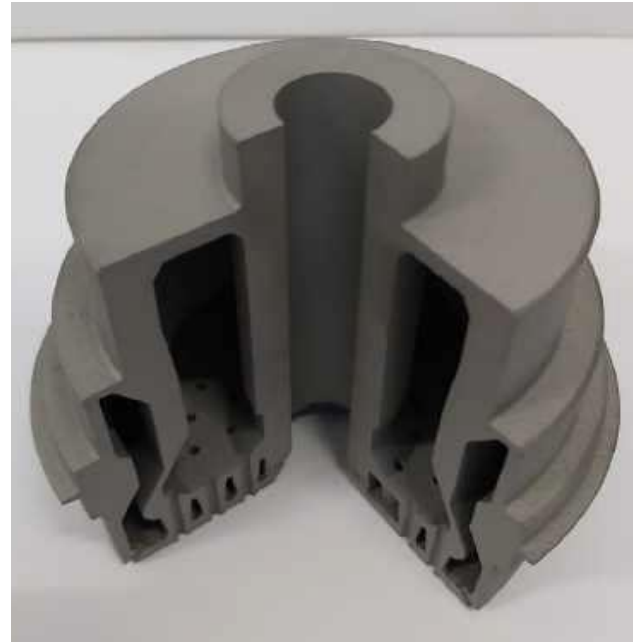
Rocket Injector - Aerospace



Sector: Aerospace

Material: SS 316L

Weight: 3kg



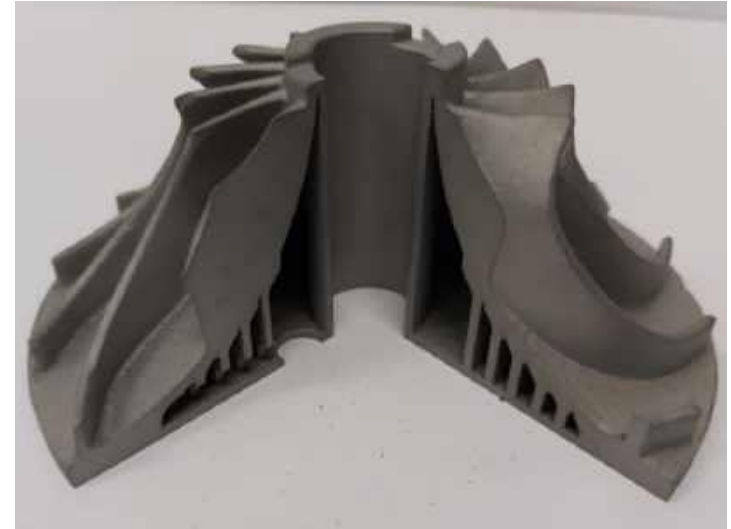
Part: Rocket Injector

Dimensions: dia 100mm, hub height 100mm

Complex geometry with vents/openings



Impeller – Oil & Gas



Sector: Oil & Gas

Material: SS 316L

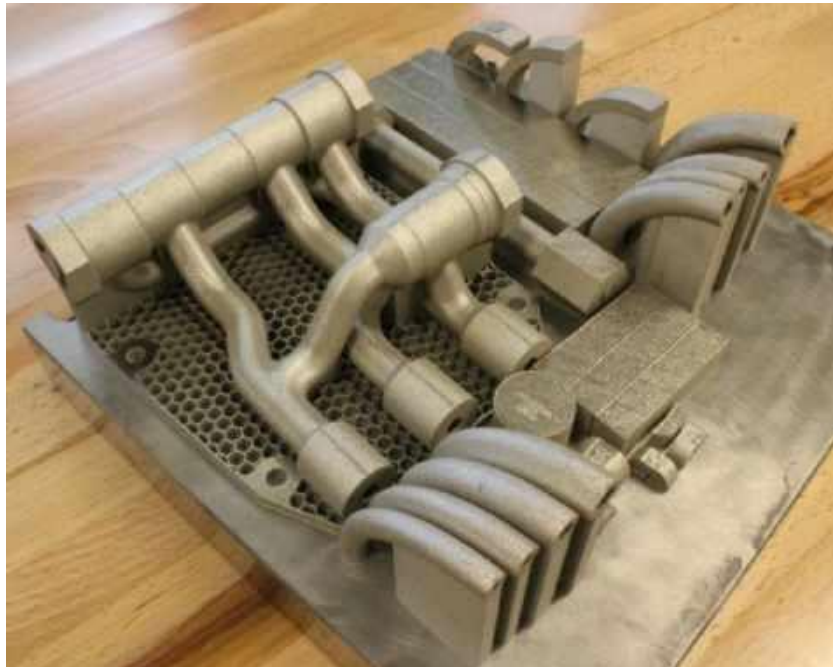
Weight: 3kg

Part: Impeller

Dimensions: dia 100mm, hub height 44mm

Difficult to CNC mill with curved blades

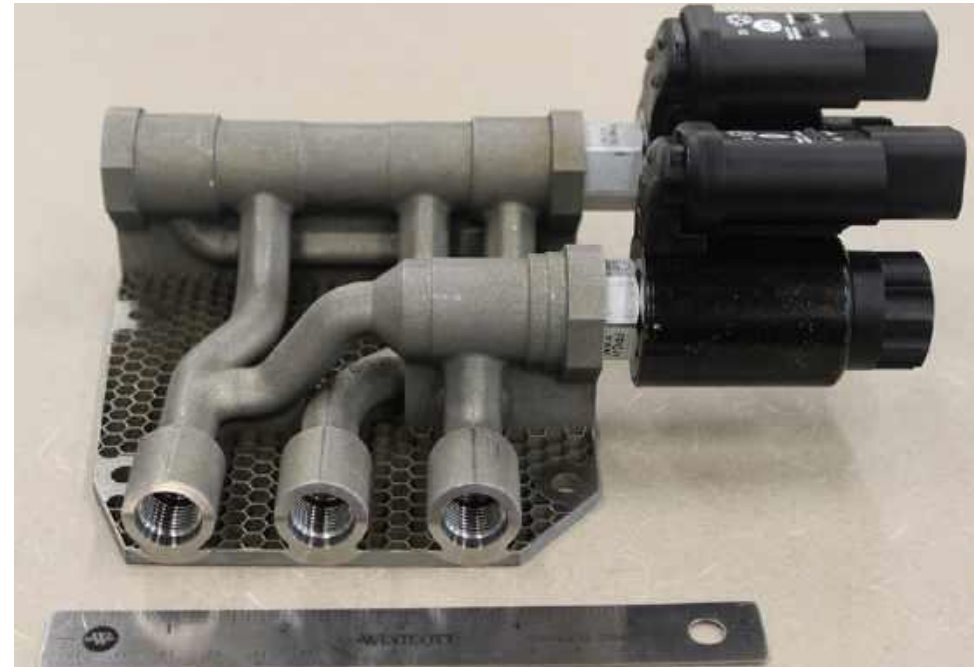
Manifold - Automotive



Sector: Automotive

Material: SS 316L

Weight: 6kg

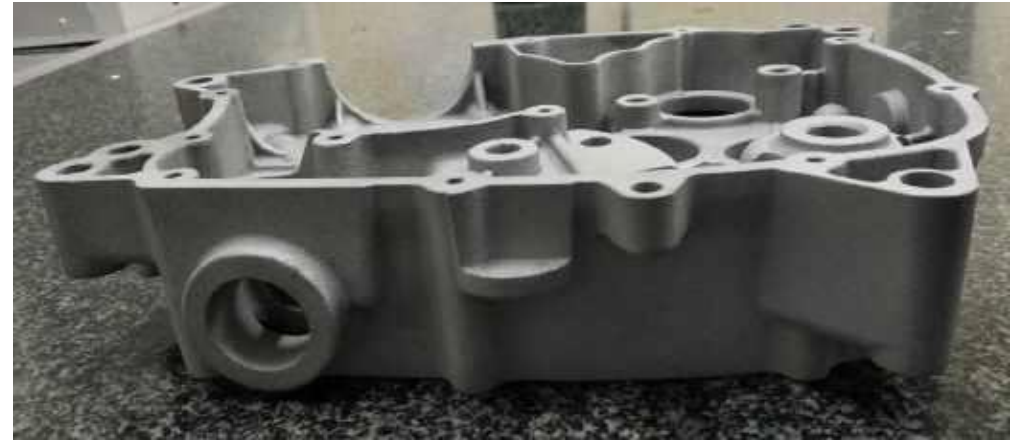
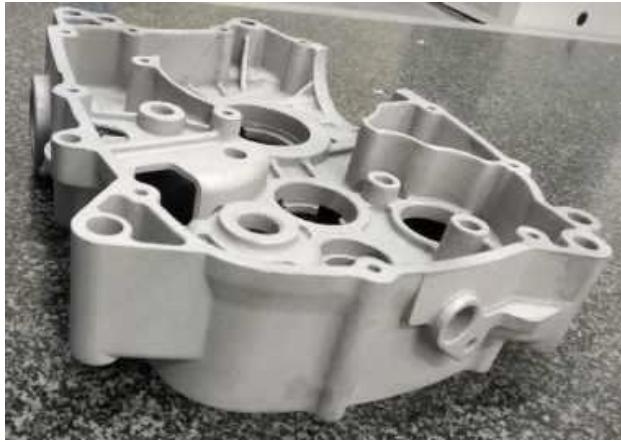


Part: Manifold

Dimensions: 200 mm x 150mm x 120mm

Designed to avoid elbow joints and consequent leakages

Crank Case - Automotive



Sector: Automotive

Material: AlSi10Mg

Weight: 1.5kg

Part: Crank Case

Dimensions: 280 mm x 210mm x 60mm

Several geometric features and interface surfaces

Cover Magneto - Automotive



Sector: Automotive

Material: AlSi10Mg

Weight: 0.9kg

Part: Cover Magneto

Dimensions: 160 mm x 210mm x 45mm

Several geometric features and interface surfaces

Mixing Unit - Automotive



Sector: Automotive

Material: AlSi10Mg

Weight: 2.5 kg

Part: Mixing Unit

Dimensions: 200 mm x 80mm x 100mm

Bulkier geometry and interface surfaces

Occupational Exposure Limit (OEL) Frame - Defense



Sector: Defense

Material: AlSi10Mg

Weight: 0.7 kg

Part: OEL Frame (drone applications for toxic environment)

Dimensions: 270 mm x 350 mm x 205 mm

Shell type thin structure

Occupational Exposure Limit (OEL) Frame - Defense



Sector: Defense

Material: AlSi10Mg

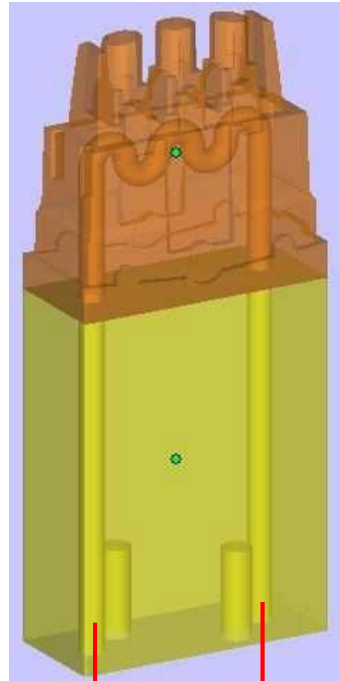
Weight: 0.7 kg

Part: OEL Frame (drone applications for toxic environment)

Dimensions: 245 mm x 302 mm x 205 mm

Shell type thin structure

Core Insert – Plastic Molding



Conformal Cooling Channel

Sector: Plastic Molding

Material: MS1

Weight: 0.9 kg

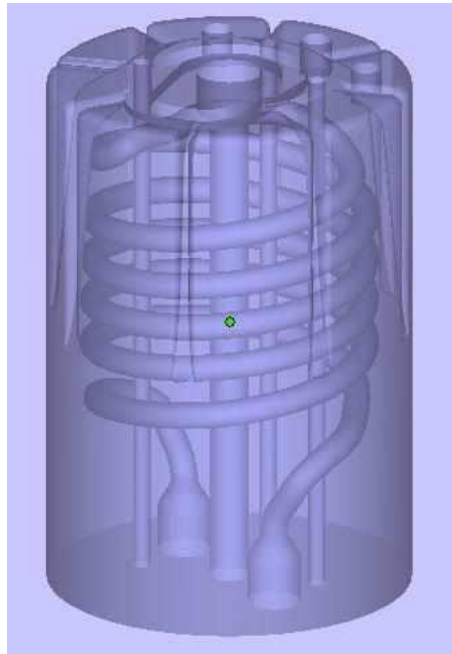


Part: Core Insert

Dimensions: 44 mm x 20 mm x 60 mm

Conformal cooling channels

Core Insert – Plastic Molding



Sector: Plastic Molding

Material: MS1

Weight: 1.5 kg

Part: Core Insert

Dimensions: dia 81mm, height 120 mm

Conformal cooling channels