

EMPOWERING NEW SPACE WITH 3D PRINTING



01

Metal Powder Deposition

Using advanced DED technology, we offer precise metal powder deposition, ensuring the production of high strength aerospace components with superior accuracy.

02

Large Build Volume

Our system supports the creation of large, intricate aerospace parts, reducing material waste while maintaining excellent build quality and faster production times.

03

Multi-Material

Capable of integrating up to six different materials in one build, enabling custom alloy creation and multifunctional components tailored for space applications.

MULTI-MATERIAL APPLICATIONS

* FGM: Functionally Graded Material



Bi-metal

Gas Generator

Material Ni Alloy+Cu Alloy
Diameter 70 mm
Height 20 mm



Bi-metal

Methane Combustor

Material Ni Alloy+Cu Alloy
Diameter 240 mm
Height 262 mm



FGM

Radiative Cooling Nozzle

Material Ni Alloy+Cu Alloy
Diameter 420 mm
Height 546 mm



Bi-metal

Regenerative Cooling Nozzle

Material Ni Alloy+Cu Alloy
Diameter 420 mm
Height 546 mm

SINGLE MATERIAL APPLICATIONS



Nozzle Extension

Material Nb Alloy
Diameter 432 mm
Height 169 mm



Nozzle Extension Flange

Material Nb Alloy
Diameter 248 mm
Height 27.78 mm



Fuel Tank

Material Ti Alloy
Diameter 180 mm
Height 270 mm



Nozzle Extension

Material Fe Alloy
Diameter 876 mm
Height 1087 mm

