



**ERG**  
materials & aerospace

[www.ergaerospace.com](http://www.ergaerospace.com)

**Founded in 1967, ERG Aerospace has over 50 years of experience utilizing metal, carbon, and ceramic foams in systems and components for the following markets:**

*Aerospace | Defense | Space | Industrial | Biomedical | Semiconductor*

## Core Competencies

Sole manufacturer of Duocel®: a customizable open celled structure used by industry leading companies to meet high-performance requirements.

Engineering team experienced with design, manufacturing, testing, CAD, and simulation via CFD/FEA.

A proven commitment to delivering quality parts on time.

## Differentiators

Vertically Integrated operations to control quality and reduce costs.

Ability to customize material properties by controlling three independent variables: material, pore size, and ligament size.

Duocel® has a high strength to weight ratio, making it ideal for structural applications.

Extremely high surface area to volume ratio makes Duocel® excellent for heat transfer, filters, and EMI shields.

Duocel® is 100% manufactured in the USA.

## Past Performance

2017	Pratt & Whitney SDVOSB Supplier of the Year
2018	IHI Aeroengines Supplier of the Year
2019	United Technologies Supplier Gold Awardee
2018 & 2019	NV Manufacturing Excellence Nominee

## PARTNERS

Pratt & Whitney

IHI

Lockheed Martin

Orbital ATK

NASA Orion

GE

Collins Aerospace

US Army

## NAICS

332999 - Fabricated Metal Product

336412 - Aircraft Engine Parts

336413 - Aircraft Parts & Aux Equipment

336414 - Guided Missile & Space Vehicle

541330 - Engineering Services

## CAGE / DUNS

7B798 / 044188092



Aluminum

Steel

Carbon

Silicon Carbide

Ceramics

Copper

**Duocel® products have been sold to  
Companies and Research Centers  
in 25 countries around the world**

**A material structure with  
limitless possibilities.**

## Where you can find Duocel®

### Filtration Separator

High Surface Area to Volume  
Customizable Housing Design



Honda Business Jet  
Rolls Royce Trent 1000

### Thermal Management

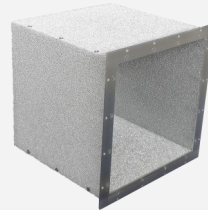
Compact Packaging  
High Thermal Conductivity



Scanning Electron Microscope  
ExoMars Lander

### Structural

Excellent Bonding Surfaces  
High Strength to Weight



Pratt & Whitney GTF Engine  
EMF/Blast Containment

### Flame Arrestor Breather Plug

Customizable Pressure Drop  
Prevent Overpressurization



Boeing 777X  
C-130 Hercules

### Energy Absorber

Isotropic Structure  
Controllable Strength



NASA Orion  
Virgin Galactic White Knight 2  
Military Personnel Protection

### Optics

Lightweight Structure  
Thermally Stable  
Ceramic or Metal



NASA Telescopes  
Satellites