Kaman specializes in the design and build of structural composite assemblies for flight critical applications. Kaman has been manufacturing composite structures and parts for the leading aircraft OEMs and for Kaman helicopters since the late 1940’s. Kaman uses both traditional autoclave cure and the latest out-of-autoclave processes. With facilities, trained personnel, equipment, and capacity located throughout the world, Kaman is uniquely positioned to serve the composite structures needs of the aerospace industry.

**Core Competencies**
- Design and Development
- Program Management
- Supply Chain Management
- Prepreg Ply and Kit Cutting
- Routing and Drilling
- NDI
- Core Cutting
- Life Limited Materials Storage and Management
- Tooling Maintenance and Repair
- Adhesive Bonding
- NC Programming
- Non-Destructive Testing and Inspection
- Destructive Testing
- Priming and Painting
- Assembly

**Core Processes**
- Resin Infusion and Resin Transfer Molding
- Hand Lay-Up
- Automated Tape Laying
- Blue Streak
- Repair and Overhaul
- Tooling Design and Manufacturing

**Engineering Software**
- CATIA V4 & V5
- FiberSIM®
- CAD/CAM
- Unigraphics NX5
- NASTRAN/PATRAN
- Vericut®
- Cut Works®

**Quality Assurance**
- AS9100 Rev C
- ISO 9001-2008
- Nadcap accreditations
- AS7114 Non-Destructive Testing
- AC7118 Composites Manufacturing & Metal Bond
- FAA Repair Station (License #D5PR003Y and VKZR018J)

**Major Equipment and Capabilities**
- 17 Autoclaves (largest 12’ x 54”)
- 27 Ovens
- Filament Winder
- Automated Tape Laying Machine (ATLM)
- 3-, 4- & 5-Axis CNC Routers
- CNC Ply Cutting Machines
- Freezers with Automated Controls and Monitoring
- Laser Ply Projection Systems
- NDI: A&C Scan
- Environmentally Controlled Clean Rooms
- Laser Tracking and Faro Arm Inspection
- Prime & Paint Booths
- On-Site Material Testing Laboratories
- Abrasive Water Jet Equipment
- CMM
COMPOSITE STRUCTURES

TYPICAL APPLICATIONS
- Structures (Primary and Secondary)
- Fairings
- Interior Panels and Trim Pieces
- Ducting
- Radomes
- Operator Stations
- Floorboards
- Engine Inlet Screens
- Gas Turbine Engine Parts
- Pylons
- Nacelle Panels
- Rotor Blades
- Pitch Cases

PROGRAM EXPERIENCE
- Airbus A330 Composite Wing Panels
- Learjet 85 PAX & OWEE Doors
- Gulfstream G280 Winglet and Aileron
- Boeing 747-8 Wing-to-Body Fairings
- Boeing CH-47 Panels and Subassemblies
- Boeing P-8 Poseidon Operator Work Stations
- Sikorsky UH-60 Blade Parts
- Sikorsky CH-148 Tail Rotor Pylon
- Sikorsky MH-60R Radome
- Sikorsky CH-53K Main and Tail Rotor Blade Components
- Textron Scorpion Wings, Horizontal and Vertical Stabilizers, Rudder and Access Doors
- Bell Boeing V-22 Structural Components
- Boeing A-10 Control Surfaces for Wing Replacement Program
- Bell Commercial Blade Parts
- Rolls Royce Trent Engine Parts
- Rolls Royce Trent 700 Nacelle Panels
- MD902 Rotor Blades and Pitch Cases

Kaman Aerosystems
Kaman Composites is a division of the Kaman Aerospace Group of companies.