

Engineering innovation

Advancing the global aerospace fleet to fly higher, faster, longer, and more efficiently.



Unmatched leadership, resources, and expertise to engineer your success

The world's leading aircraft manufacturers choose Parker Aerospace as a technology partner, relying on our mastery of aircraft systems and components.

As an operating group of Parker Hannifin Corporation, the world leader in motion and control technologies, Parker Aerospace has the engineering muscle and stable foundation to truly move our customers' programs forward while increasing their productivity and profitability.

SUPPORTING ALL MARKETS

Providing greater reliability, efficiency, and value

COMMERCIAL



Parker equipment supports nearly every commercial aircraft flying, sending them safely and efficiently throughout the world. We work alongside aircraft manufacturers to design in performance, using lighter materials and smart,

self-monitoring products that meet the demands of an increasingly digital industry, while providing ultimate dependability over program life.

System and component program pedigree

Airbus A320, A330, A340, A350, A380 | Boeing 737, 747, 767, 777, 787 | Bombardier C Series, CRJ Series, Q Series | COMAC ARJ21, C919 | Embraer Embraer ERJs, E-jets, E-jets, E2 | Xian MA700



MILITARY



With a pedigree that began in the 1930s to the most advanced manned and unmanned platforms of today, Parker is a well-established partner with military aviation, realizing that the highest performance standards must be achieved while maintaining a firm grip on costs.

We work closely with military aircraft customers to learn program requirements and deliver solutions that meet the needs of the armed services.

Airbus A400M | Bell Boeing V-22 | Boeing AH-64, C-17, CH-47, F-15, F/A-18 E/F, KC-46A, P-8A, X-45 | General Atomics Aeronautical Systems Predator B | Korea Aerospace Industries K-FX, T-50 | Lockheed Martin C-130, F-16, F-22, F-35, JASSM, RATTLRS | Northrop Grumman BAMS, Global Hawk, X-47A | Raytheon Griffin, Javelin, JSM, Tomahawk | Saab Gripen | Sikorsky MH-53, MH-60/UH-60

BUSINESS & GENERAL AVIATION



Business aviation allows passengers to reach destinations quickly while using time efficiently, and Parker Aerospace is a key supplier to the business, general aviation, and commercial helicopter markets.

We meet the needs of our customers, working collaboratively to offer innovative new ideas to boost performance, coupled with our deep selection of off-the-shelf technologies that help manage cost.

Airbus Helicopters H130, H145, H160, H225, NH90 | Beechcraft
Baron, Bonanza, King Air | Bell 206, 407, 412, 429, 505, 525, Huey II |
Bombardier Challenger 350/650, Global Express, Global 5000/6000/7000/8000, Learjet 70/75 | Cessna Caravan, Citation, Denali,
Skyhawk, Skylane | Cirrus SR20, R22, Vision Jet | Eclipse 550 |
Embraer Legacy 450/500/650E, Phenom 100/200 | Gulfstream
G280, G450, G500, G550, G600, G650, G650ER | Leonardo
AW109, AW119, AW139, AW169, AW609 | Pilatus PC-12, PC 24
| Piper M-Class, Trainer Class, Twin Class | Sikorsky S-76, S-92

ENGINE



Engine makers face ongoing challenges in the areas of noise, fuel burn, heat, and emissions. With Parker Aerospace, aeroengine manufacturers have an experienced partner helping them meet regulatory requirements while delivering the performance and low cost of ownership that their customers demand.

Our expertise touches every corner of the aviation engine market: commercial, regional, business, military, and rotorcraft.

CFM International CFM56, LEAP | EuroProp International TP400-D6 | GE CF6, CF34, F101, F110, F404/F414, GEnx, GE9x, GE90, Passport 20, T700 | International Aero Engines V2500 | Pratt & Whitney F119, F135, PW1000, PW2000, PW4000, | Rolls-Royce AE 2100, AE 3007, BR700, Trent 1000, Trent 7000, Trent XWB

BROAD TECHNOLOGY RANGE

Highly engineered systems and components across many technologies supporting the world's aircraft



FLIGHT CONTROL ACTUATION

Parker Aerospace is the number-one stickto-surface flight control system provider in the world, and a global leader in fly-by-wire flight controls. Our flight control systems pedigree

is over three decades long, and our overall experience nearly a century deep in both military and civil applications.



FUEL SYSTEMS AND COMPONENTS

As the premier global provider of fuel systems and components, Parker Aerospace offers a broad and deep portfolio of solutions for virtually every type of aircraft in the sky. Our

customers look to us to provide design, integration, manufacture, certification, and lifetime support of their aircraft, improving their program and business performance.







INERTING SUBSYSTEMS

With more than 50 years of experience in the complex science of fuel tank fire suppression, Parker is the world leader in inerting systems used in both military and commercial markets.

Our commercial fuel tank inerting equipment is used by more than 85 percent of the transport aircraft in production today, on 15 major platforms.



Single air separation module pallet



HYDRAULIC SYSTEMS AND COMPONENTS

As the leading provider of fully integrated hydraulic systems and advanced hydromechanical and electromechanical subsystems

and components, Parker offers the talent and resources our

customers count on for program success. Our range of system functions includes hydraulic rotating products, hydraulic utility products, and actuation systems.



Bootstrap reservoir



FLUID CONVEYANCE SYSTEMS AND COMPONENTS

Parker Aerospace's broad fluid conveyance portfolio offers comprehensive solutions built from a proven pedigree and technical depth.

From fuel and hydraulic systems, to crashworthy safety systems and engine build-ups, we can supply fluid conveyance for every critical engine and airframe system.

Complex hose/tube assembly



LUBRICATION

From industry-leading lubrication pumps and accessories to oil reservoirs and pump/reservoir system and subsystem designed to meet customer specifications and envelope

requirements, Parker Aerospace delivers. Our unique designs consistently save space and reduce weight, offering greater reliability, easy maintenance, simple operation, and longer life.



Engine oil tank



PNEUMATICS

Our pneumatic component and subsystem expertise plays a vital role in the engine and airframe environments. Our experience

and pedigree in airframe pneumatics leads the industry with low cost of ownership.



Anti-ice pressure-regulating shut-off valve

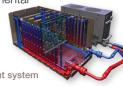


THERMAL MANAGEMENT

Parker's thermal management team provides solutions for heat collection and rejection. Designed as stand-alone solutions or integrated as part of larger environmental

control systems, our equipment offers high heat removal and design flexibility, plus significant size, weight, and power advantages.

Thermal management system





AFTERMARKET SUPPORT

Keeping your fleet continuously healthy, around the clock and around the globe

Customer Support Operations is our worldwide organization dedicated solely to keeping your fleet continuously healthy. As a global provider of systems and components with 100 years of experience supporting the world's fleet, Parker Aerospace is uniquely qualified to help aircraft operators and owners to continuously maintain the health of their fleets globally.

Customer response center

As part of our global-reach, local-focus strategy for maintenance, repair, and overhaul, we have elevated our service level to provide a fully staffed service facility available 24/7/365, worldwide. Our customer response center is driven to resolve all customer issues at first contact, no matter the location or hour.

INNOVATION AND ENGINEERING

Smaller and lighter, improved reliability, and green technology

Our goal is to engineer the success of every aerospace program we touch. As an engineering-focused organization, we devote significant resources to research and development. By meeting regularly with customers to determine their priorities, we couple our R&D efforts with real-world demands, developing practical engineered solutions that move aerospace technology forward.



We are integrating technology that enhances performance, reduces weight, and improves quality while remaining affordable and having minimal impact on the environment.



To accelerate the understanding of potentially valuable and disruptive manufacturing technology, Parker has constructed an advanced manufacturing learning and development center that delivers bottom-line benefits to our customers.

STANDARDIZED EXCELLENCE

Safety, program management, supply chain strategies, and quality management



By using strategic supply chain methods, manufacturing labor and expense are reduced significantly, while overall costs remain competitive.

One of the benefits of a larger organization, with many experienced minds put to bear on complex challenges, is that our solutions are often best-in-class. These best practices are then systematized and employed across the organization, essentially standardizing excellence.

Program management

All Parker Aerospace program managers are required to obtain certification as project management professionals by the Project Management Institute. This certification gives our program managers an in-depth understanding of the discipline and the positive affect it has on customer programs.

Certification is held by many of our engineers, contract administrators, and functional managers as well.

Lean practices

Lean is integrated in all we do, going beyond manufacturing to lean enterprise systems that have become a part of our culture and an important aspect of program management.

This translates to an overriding philosophy of being fastest to market, with the highest quality, the best value, and the shortest value stream. Lean events, held on the factory floor and in administrative offices, reduce inventories, lead times, turnaround and cycle times, and backlogs for increased productivity, faster and better customer service, and improved yield.



Parker Hannifin Corporation Parker Aerospace 6035 Parkland Boulevard Cleveland, Ohio 44124-4141 phone +1 216 896 3000 www.parker.com