



ENGINE EXPERIENCE.
Unlike any other.

Duncan Aviation is the world's largest family owned maintenance, repair and overhaul (MRO) center supporting business aviation turbine engines and APUs. We are authorized by Honeywell, Pratt & Whitney, GE, Williams International, Rolls Royce, and Hamilton Sundstrand to perform a broad spectrum of engine services, including MPI (Major Periodic Inspections), CZI (Core Zone Inspections), HSI (Hot Section Inspections), and other major maintenance.

www.DuncanAviation.aero/engines

DUNCAN
AVIATION



+1 402.475.2611 | www.DuncanAviation.aero | 800.228.4277

MODERN AND EFFICIENT FACILITIES

with comprehensive capabilities.

Our modern 40,000-square-foot turbine engine facility in Lincoln, Nebraska, is supported by a wide range of back shop capabilities, including nondestructive testing, balance and flow, machining, media blasting, shot peen equipment, and clean room.

We are in the midst of expanding our engine services, having broken ground on a new state-of-the-art 36,000-square-foot DOF featuring a 20,000 lb. thrust class test cell and control room, 12 engine maintenance bays, dedicated storage racks, and a new parts inventory warehouse.

We are authorized to support Honeywell MSP/MSP Gold, EAP, Pratt & Whitney Eagle Service Plan (ESP) Silver/Gold/Platinum, Rolls Royce Corporate Care, Williams TAP, General Electric OnPoint, JSSI Choice, and New Engine Warranty.

Our in-house inventory of available rental engines includes HTF7000, HTF7350, and TFE731 (-2C, -3, -5R, -5B, -20, -40, and -60). Through industry partnerships and connections, no matter what you fly, we have an engine for you.



Lincoln, Nebraska, Turbine Engine Facility



"When it comes to a qualified engine maintenance facility, I look for speed, quality, open and honest communication, and an appreciation of my business. Duncan Aviation hits all the marks."

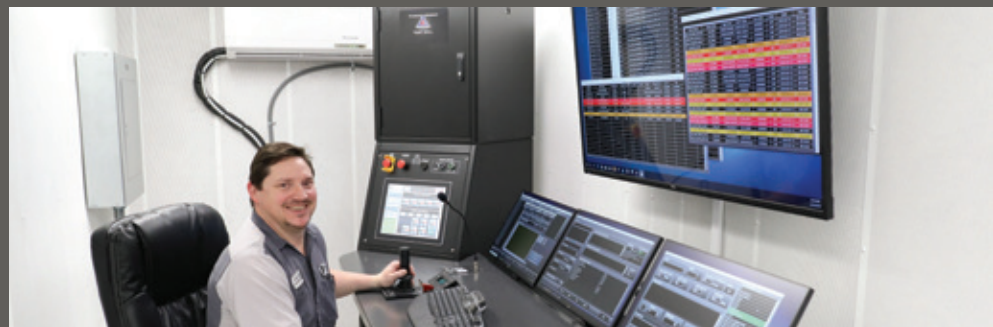
Adam Sherak, Director Of Maintenance,
International Jet Aviation Services, Inc.

CAPITAL AND TRAINING INVESTMENTS

to meet customers' growing needs.

Duncan Aviation has a Honeywell certified 20,000-lb. thrust-class turbofan engine test cell and state-of-the-art control room to safely and accurately test and certify aerospace engines. The control room is equipped with an Atec, Inc., Phoenix™ ADAQ™ Data Acquisition and Control System. The system is complete with the most modern engine performance nozzles and dress kits in the industry. From computer hardware, displays, and touchscreens to the data acquisition and PLC control hardware, all run on the latest technology.

Engine services expansion includes a Pratt & Whitney Canada certified 20,000 lb. thrust class test cell and control room constructed by Atec.



WATCH A VIDEO OF THE TEST CELL TIMELAPSE:
www.DuncanAviation.aero/videos/turbine-engine-test-cell-expansion

"Duncan Aviation runs an impressive aircraft engine operation. We have sent our Honeywell TFE731-2-2B engines to them for repairs, MPIs and now CZIs for many years. The Rapid Response Teams are very professional, efficient, and friendly. The sales team is comprised of some of the best and most knowledgeable people I have ever worked with. Everyone is always on top of all aspects of my engine tracking and work. Their engine overhaul facility is clean, orderly and very modern with an impressive NDT lab that is second-to-none. With the addition of the new engine test cell, the facility is of the highest grade in the industry. Everyone's communications, responsiveness, and customer service is professional, personal, and timely. I like what I see; they know what they're doing."

Mike Angle, Director Of Maintenance, Med Flight Air Ambulance

ENGINE EXPERIENCE

CONVENIENTLY LOCATED

We answer the call.

With engine Rapid Response teams located across the United States, business aviation operators are never very far away from 24-hour AOG engine support. All teams are on-call and ready for dispatch anywhere in the world and capable of supporting in-house line services on the road.

Line-level maintenance services are also available on Honeywell and Hamilton/Sundstrand APUs.



GET SUPPORT NOW, AT
www.DuncanAviation.aero/AOG
OR, CALL: +1 402.470.4560



"In the last year, we have had three engine removals, all with extremely tight schedules. Every single time, Duncan Aviation Rapid Response engine technicians showed up quickly and ready to work, getting us back in the air and meeting our needs. I know they're busy, but we are always made to feel like a priority. They have done a great job supporting us. I highly recommend them."

Michael Parks, Maintenance Manager, Executive Jet Management

HONEYWELL HTF7000

next generation honeywell
engine support

The Honeywell AS907 (HTF7000) Series engine is very reliable and has a good reputation in the fleet. It is the next generation of Honeywell products and will be around for a long time. As a Honeywell AS907 (HTF7000) Series Minor Maintenance facility, Duncan Aviation will be around to support it.

With a 20,000-square-foot engine shop dedicated to the HTF7000, we are committed to the HTF customer having significantly invested in tooling, training, and spare parts.

Many Honeywell operators have relied on us for both scheduled and unscheduled inspections, including the 4000/4200, 8000, and fan section repair. We also have capabilities in the Hot Section, oil system, fuel system, bearings, carbon seals, and gearbox.



"I just watched our Challenger take off on a flight over the ocean on its first flight out of engine maintenance. If that's not confidence, I don't know what is."

Tim Renner, DOM, Resort Lifestyle Communities
(pictured on the left)

HONEYWELL TFE731

obtaining maximum performance

Duncan Aviation has been an Authorized TFE731 Major Service Facility for more than 45 years, achieving Heavy Authorization in 2016. However, our experience with the Honeywell TFE731 engine dates back to the 1970s, when AiResearch introduced a new aircraft engine, the TFE731. Since then, both the engine and Duncan Aviation have made great strides.

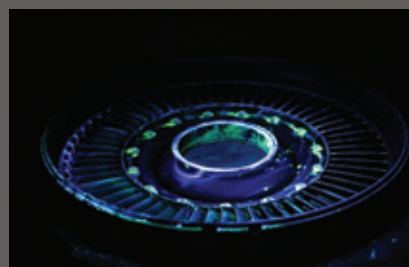
Today, our state-of-the-art engine overhaul facility in Lincoln, Nebraska, features a modern turbofan engine test cell to support performance, operability, and certification testing. We control costs, shorten downtimes, and provide increased accuracy in engine performance adjustments with our in-house balance and flow expertise. Additionally, to optimize productivity, safety, and space, nearly half of the shop is covered by an overhead two-ton hoist crane system to allow for easy lifting and precise placement of engine parts during assembly and disassembly. A separate engine shipping/receiving dock allows for faster parts and engine delivery to and from the shop.

A black granite surface plate is milled to an accuracy of +/- .0005 of an inch for precise measurements of subassemblies. Duncan Aviation NDT services has a ETC-2000 Jet Engine Eddy Current Scanning System, training, tooling, probes, and reference standards and is Honeywell-authorized to perform the required eddy current inspection for heavy maintenance events.



"We have turned to Duncan Aviation to perform MPI/CZI on all of our aircraft engines. I have confidence in all of their engine technicians. They are extremely knowledgeable and always prepared for our workscope when we arrive. They are a one-stop shop with workmanship second to none."

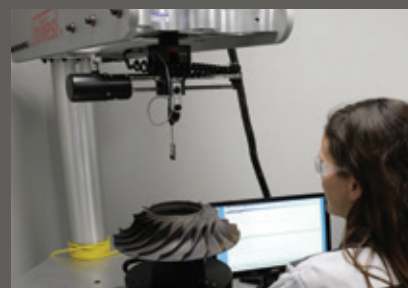
Allen Ulmer, Aircraft Maintenance Manager, Sanderson Farms



NDT



The Rock, A Solid Piece of Granite



ETC-2000 Jet Engine Eddy Current Scanning System

PRATT & WHITNEY

continuing the tradition

For more than 37 years, Duncan Aviation has had a tradition of providing seamless engine overhaul management, in-house repair, and on-wing HSI and line services for P&W (Pratt & Whitney) 300, 500, and 600 Series engines. Our teams are staged and ready to travel to a customer's location for AOG events, engine R&Rs, and technical troubleshooting support.

We offer P&W engine management services to manage overhaul events from start to finish. By working with all major Pratt & Whitney engine programs and authorized service providers, we can save our customers an average of 10%.

We have broken ground on a new Pratt & Whitney Canada Designated Overhaul Facility that enables our Lincoln, Nebraska, facility to conduct hot sections and overhauls on a range of P&WC turbofan engines, including the 530A, 535A, 535B, 535E, 545A, 545B, 545C, 305A, 305B, 306A, 306C, 307A, 307D, 308A, and 308C models. Hot section inspection services will be operational by the end of 2024, with full overhaul capabilities coming online early 2026.

It will span 36,000 square feet and feature a new engine test cell (20,000 lb. Thrust Class) and control room, 12 engine maintenance bays, dedicated storage racks, a new parts inventory warehouse, and expanded backshops.

"Shortening downtime and controlling expenses are on the forefront of every operator's mind. Having a P&WC HSI shop located in Battle Creek and staffed by the OEM cuts the time and expense necessary to send out parts for factory inspection. We have their technical advice and expertise at our fingertips."

Justin Merkling, Turbine Engine Services Manager, Duncan Aviation



"Having Pratt & Whitney Canada within our network gives us direct and immediate access to the OEM. I'm able to walk down the ramp and have a conversation with an expert while connected to any of Duncan Aviation's locations. It doesn't get more hands-on than that."

Bill Walker, Engine Tech Rep, Duncan Aviation

ENGINE EXPERIENCE

ROLLS ROYCE

CorporateCare authorized

Duncan Aviation is approved for Rolls Royce CorporateCare® and new engine warranty work on aircraft at all Duncan Aviation facilities and remote work locations. We file warranty claims directly on behalf of our customers, saving them the inconvenience of making a cash outlay and waiting for a reimbursement.

We are authorized and have inventory and tooling to support the Rolls-Royce Spey/Tay, BR710 and AE3007A engine models. Our teams are trained and equipped to perform engine removals and installations, line level inspections, maintenance and repair, and service bulletins.



"Duncan Aviation has a great engine services team. Everyone from the technician to the salesperson, including the Project Manager, were knowledgeable about their work, delivered a high level of customer service, and communicated in an efficient and timely manner."

Manager of Aviation & Chief Pilot

GE

Duncan Aviation is an Authorized GE CF34 maintenance facility for Major, Line, and Hot Section engine events. Our teams are trained and equipped for engine R&Rs, line level maintenance, and Mid-point inspections. We are approved to manage GE's OnPoint maintenance service plan and new engine warranty work.

WILLIAMS INTERNATIONAL

Duncan Aviation is a Factory Authorized Engine Line service facility for the Williams International FJ44 aircraft engine. Our in-house capabilities include engine R&Rs, routine maintenance, borescope inspection, eddy current, and vibration survey services. We are approved to manage Williams TAP, TAP Elite, and TAP Blue maintenance service plans, as well as new engine warranty.



"Duncan Aviation is one of the premier providers of service. They inspire confidence."

Phil Milroy, President/CEO, Westcorp

KNOWLEDGEABLE and experienced turbine engine experts

Duncan Aviation engine customers have the full support of technical teams that know and understand all aircraft engine models.

These teams include technical Sales Reps able to provide complete and accurate quotes based on years of hands-on engine maintenance experience.


Customers call Duncan Aviation Engine Tech Reps for technical advice, OEMs (Original Equipment Manufacturers) invite them to help shape industry standards, and engine technicians seek them out for advanced technical troubleshooting.

Dedicated Project Managers are assigned to each engine project to provide one-on-one interaction with the customer. They coordinate the project from beginning to end to ensure the project meets critical milestones and has overall success.

Duncan Aviation's Engine Program Engineer is available to technicians to consult and advise on the Honeywell and P&WC engines ensuring each engine hits its performance parameters for the best possible results.

"I am impressed with my Duncan Aviation Engine Tech Rep. Not only does he know the engines well, but he also understands the operational pressures that corporate operators face and goes the extra mile every time for us."

Jason Bell, Chief of Maintenance, Lowe's Companies



"I have the greatest of confidence in all of Duncan Aviation's Project Managers and Engine Technicians I have interacted with. They are knowledgeable in their work and always very friendly while answering my questions. Everyone seems genuinely happy to be at work and it shows in the quality of workmanship."

Scott Pflugh, Director of Maintenance, Greenleaf Corporation