



Pneumatics

Detailed diagnostic assessments are key

At Fokker Services, we are proud to be one of the biggest independent suppliers for all pneumatic components. We are your one-stop shop for aircraft pneumatic MRO, servicing thousands of line-replaceable units in-house every year at our facilities in the U.S. and the Netherlands. With a variety of end-to-end MRO capabilities, our expertise covers the complete scope of pneumatics for multiple aircraft types, such as:

- » Airbus A320 Family
- » Boeing 737 Classic & NG, 747, 757, 767, 777
- » CRJ Series
- » Dash 8-100, 200, 300, Q400
- » Embraer 145, 170, 175, 190, 195
- » Fokker 70, 100

Test stands & Technology

We make sure that pneumatic aircraft parts that require frequent maintenance, repair and overhaul checks are in prime condition. With expert knowledge and cutting-edge tools throughout our pneumatic valve lines, including the Eddy Current Dynamometer test stand, Air Cycle Machine test cell, Air Driven Pump (ADP) test stand and more, we can simulate the aircraft operating environment and increase reliability.

Eddy Current Dynamometer Test Stand

By simulating aircraft conditions, the Eddy Current Dynamometer Test Stand sensors measure the vibration, air pressure, torque, and RPM to ensure that the engine air starter is in top condition. Using this test stand, we digitized and simplified the recording process for our technicians by using industry-leading software. By reviewing the highly accurate data results, our technicians make a detailed diagnostic assessment on many different types of air turbine starters.



Air Driven Pump Test Stand

Taking up a whole cell due to its large set up, the Air Driven Pump (ADP) test stand is one of our most recognizable pieces of equipment. It is another example of how we leverage technology to aid in testing and ensure accurate results. With computer-driven data acquisition built into the ADP test stand, the software and hardware work together to provide accurate testing of the pneumatic and hydraulic systems of the ADP.





Air Cycle Machine Test Cell

Over the last few years, we have made significant improvements to our Air Cycle Machine (ACM) test cell. The upgrades, which included an overhaul of the test cell software and hardware, were developed with the technicians' direct feedback so their expertise could be implemented into the test cell. This unique test stand is not only accurate, but also simplifies the testing operation, reducing human errors in the testing process. Once installed into the test cell, an ACM can be operationally tested from the computer console outside of the cell, all while providing the technician with specific and accurate data simultaneously.

Ball Bearing Analyzer

Another specialized piece of equipment in our shop is the Ball Bearing Analyzer (BBA), which accurately measures the vibrations in the ball bearing to determine its condition. BBAs can often be found at bearing manufacturers and resellers, but not typically at a repair station like ours. With bearing inspections completed in-house at LaGrange, we can quickly determine if a costly bearing is serviceable, repairable or non-serviceable. This saves time and costs, while fulfilling our customers' needs for dependable services and quick turnaround times.



Our technicians make detailed diagnostic assessments.



Coordinate Measuring Machine

The Coordinate Measuring Machine (CMM) is a long-standing piece of equipment that sets us apart from other shops. It aids our engineering team in the development of unique solutions for minor repairs that specifically meet our customers' needs. Using the highly accurate dimensions provided by the CMM, our team reverse engineer OEM components on-site, developing and modeling drawings to have new parts manufactured. By developing and substantiating our own repairs and fabricated parts, we can control stock levels and do not need to wait for component deliveries from the OEM or wider market. In the end, we can pass on these cost and time saving benefits to our customers.





Independent Leader in Maintenance, Modifications & Conversions

Your Fleet, Our Solutions. Together

About Fokker Services Group

Fokker Services Group is an independent aerospace service company with a global reach. Providing comprehensive solutions from its five facilities in Europe, Asia and the Americas, Fokker Services Group is a key partner for regional, narrow-body and wide-body platforms in the Commercial, VIP, Cargo and Defense markets. The organization offers a unique set of capabilities, products and services: 'Modifications & Engineering Services' for the latest technical solutions; 'Component Services' such as nose-to-tail programs, exchange services, and component repairs; 'Material Services' such as parts manufacturing, spares deliveries, and tear-downs; 'Airframe Services' for aircraft MRO including lease transitions and painting; and 'Aircraft Completion & Conversion Services' for Executive, VVIP and Special Mission aircraft upgrades.



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