

INNOVATION DRIVES POWER GENERATION FOR AVIATION TESTING

Electrical component test systems must keep pace with advances in aviation power system technology

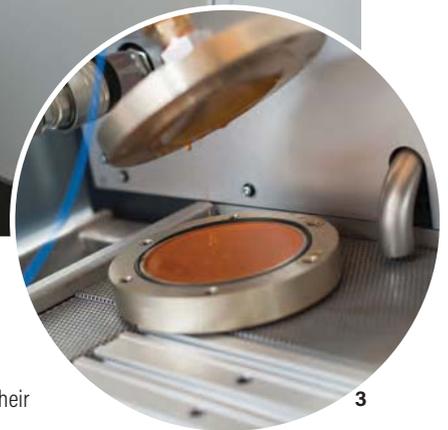
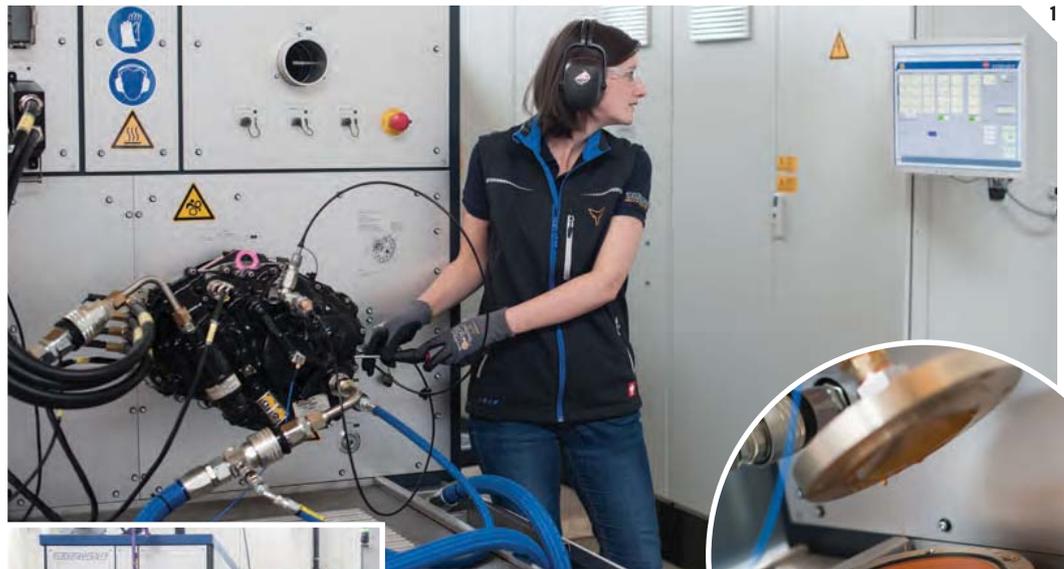
The global fleet of commercial aircraft grew by 4% in 2017. Thanks to economic demand the backlog for new aircraft now exceeds 10 years. As new aircraft drive down the cost per available seat mile, commercial air carriers see an opportunity to increase profits through fleet renewal. The B787 and A350 are flagships for the newest generation of aircraft, and their use of cutting-edge technologies to lower costs and improve customer experience changes the landscape for aircraft to come.

With increased technology comes increased demand on aircraft power systems. The latest generation of aircraft electrical power generation components therefore come with a completely new set of challenges and complexities for both the OEM and MRO communities.

Following OEM warranty obligations, these aircraft became a valuable revenue source for the MRO market. Much of the test technology in use today will be obsolete once these electrical components make their way into the third-party MRO workshops. To be competitive, repair organizations must anticipate the need to invest. This investment must take into consideration not just coming technology, but the ever-increasing demand for faster turn-times, reduced rework, and skill-set demands. Overcoming these challenges requires more than a simple vendor, but rather a testing partner. This partner needs the experience behind it to tackle the coming challenges.

In partnership with market-leading experts, Test-Fuchs has worked diligently to develop the next generation of electrical component test systems. The LMP series' capabilities match the complexity found in today's most demanding units under test. The series combines Test-Fuchs' proven technology with testing innovation to improve a company's bottom line and give a competitive advantage.

The newest LMP design is available with various capabilities. Test-Fuchs always works



very closely with its clients to develop the exacting specifications needed to fit each test environment.

The company has introduced one of its more sought-after solutions – the direct-drive LMP. The direct-drive LMP replaces the traditional gearbox with a purpose-designed direct-drive prime mover. This solution reduces complexity, gearbox failure, noise and power loss throughout the system.

In addition to its newest LMP design innovations, Test-Fuchs continues to push the envelope in traditional gearbox drive-system quality and capability. With new – and formerly unheard of – speed, torque and

versatility requirements coming out of the aircraft power R&D segment, the company is in constant contact with its supply chain, encouraging them to push their own performance.

The aircraft that we fly in 30 years' time will have characteristics that are nearly unimaginable to us today. Being able to test those characteristics will take focused growth from everyone up and down the supply chain. Test-Fuchs is committed to ensuring the LMP product line anticipates the aircraft of tomorrow.

Now, with manufacturing facilities in both the USA and Austria, and 11 support offices around the world, Test-Fuchs has never been more prepared to meet the testing demands of tomorrow. The company is ready to partner with its clients to meet that demand. \\\

1 // Installation and adjustment of a unit under test with the LMP series

2 // The LMP series provides efficient and comfortable testing

3 // The uncomplicated control of patch filter

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