

Turboshaft & Turboprop Test Solutions

Because...

- ▶ your turbine engine test cell is a major investment and a cornerstone of your maintenance operations
- ▶ you need an accurate, OEM-qualified test cell that you can rely on
- ▶ you need a flexible test cell in which you can test multiple engine types
- ▶ you need an investigative tool and an extensive database to perform troubleshooting and trend analysis on your fleet
- ▶ you need a time saving system that is capable of editing automatic reports and is easy and fast to prepare and...
- ▶ you want to work with a company that provides the best technical solutions, has extensive industry experience, has agreements with major engine OEMs and is there to support you when you need it...



Cenco offers the
Widest Range in
Engine Testing
Solutions.



Cenco International™
SAFRAN Group

Extensive Experience

Engines

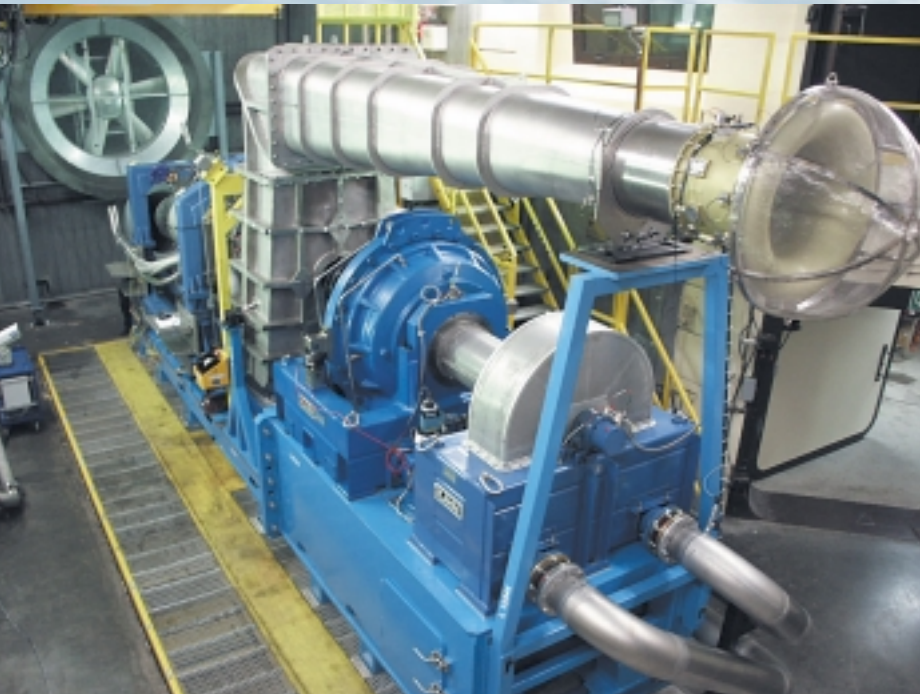
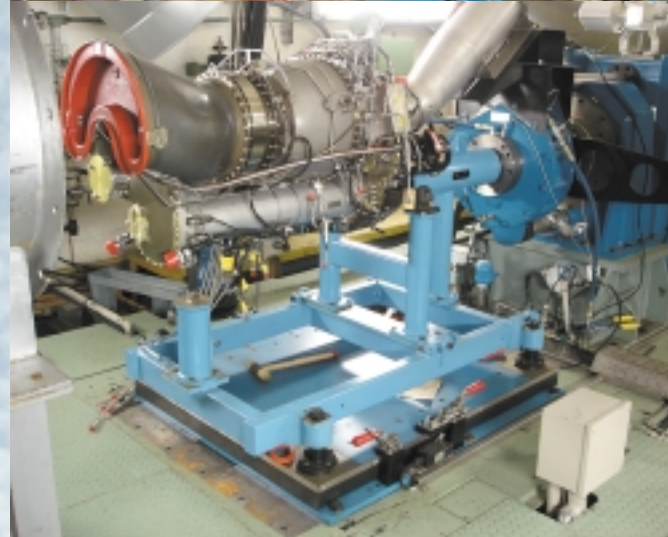
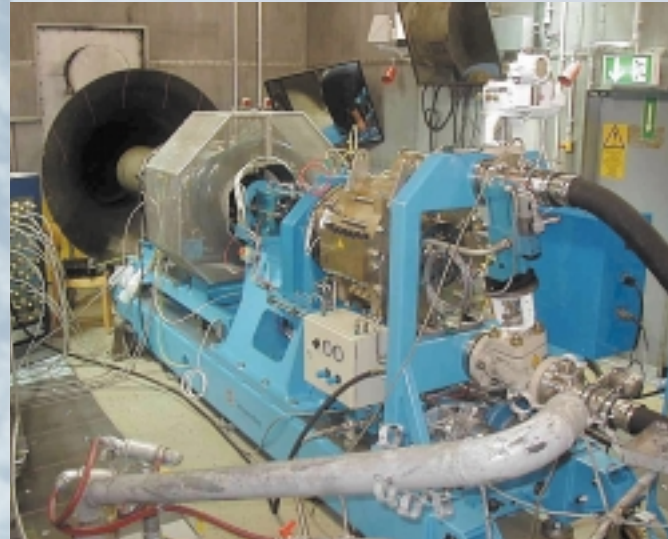
- ▶ Low- & Middle-speed turboshaft engines (MTR390, Arriel, T53, LTS101, Gnome...)
- ▶ High-speed turboshaft engines (RTM322, Makila, T700...)
- ▶ Large turboprop engines (TP400, T56, PW100...)

Customers

- ▶ Air Forces and Governments, Manufacturers, Maintenance Operators
- ▶ Worldwide

Projects

- ▶ Turnkey solution with DACS and complete test trolley
- ▶ DACS upgrades
- ▶ New engines upgrades
- ▶ Test Order Release upgrades
- ▶ Development or maintenance test solutions



The only Turbomeca-licensed Test Solutions Manufacturer

With extensive experience in the testing of Turbomeca engines and open access to OEM information through an exclusive Technical Transfer Agreement, Cenco guarantees that the maintenance or upgrade of your test cell will be performed in compliance with the requirements of Turbomeca.



Data Acquisition and Control System

Cyres.mp

- ▶ Component-Off-The-Shelf hardware
- ▶ Customizable screens
- ▶ High-level programming language



Cenco has spent years developing and enhancing a Real-Time Data Acquisition and Control System (DACS) dedicated to testing Aerospace Turbine Engines. Cenco's DACS is designed for maximum flexibility allowing you to customize and upgrade to meet your specific needs. *Cyres.mp* can be adapted to your workflow requirements and provides the functionality you require to operate smoothly and safely.

Cyres.mp can be tailored...

- ▶ As a simple acquisition system with manual controls, to fit in your existing installation while improving your current process flow.
- ▶ As a complete acquisition and control system allowing you to run complete automatic test sequences, controlling your dynamometer, your engine, your ancillaries - while controlling all the safety parameters of your installation - and automatically producing test reports in any format, with a single interface!

Cyres.mp is a flexible and scalable system capable of testing commercial turbofan as well as turboshaft engines or APUs: **from tens to thousands of parameters.**

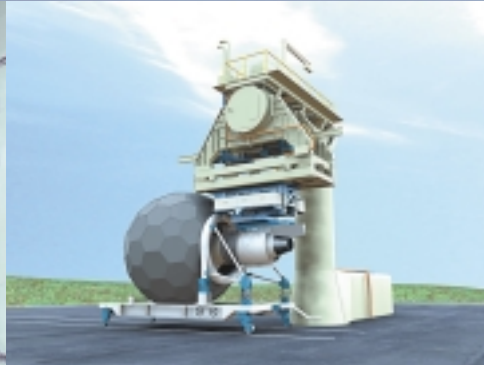
Engine and Facility Controls can be integrated with the system and managed by a PLC; you can visualize and control all parameters through the customizable LCD-touch-screens interface.



Cenco International™
SAFRAN Group

Global Leadership in Engine Test Solutions

As the most experienced test cell company in the world (over 40 years), Cenco is committed to offering its customers the tools they need to test their engines accurately, safely and efficiently. Cenco International provides complete turnkey test facilities, test cell upgrades, or specific test equipment. Cenco's expertise covers the spectrum of aerospace propulsion, from turbojet and turbofan to turboshaft, turboprop and APU engines for military or civil applications.



Worldwide Support – We Make Your Life Easier !

Because you can not afford for your test cell to be down for days, we have built the Cenco International™ global network to provide you with a fast and effective customer support. Cenco also offers a complete package of services to help you operate your test cell smoothly, securely and productively. These services include: help-desk, hotline, training, calibration, spare parts, inspection and preventative or corrective maintenance.



Cenco International™ is a trademark of Techspace Aero, and the Center of Excellence for test cell engineering of the SAFRAN Group

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