



The Atec Advantage

Whatever it takes to test your engine off-wing!

First Quarter 2007

Engine Test Cells, Edition 13

**The Power to Deliver
Design • Manufacture • Integrate**

Got CFD?

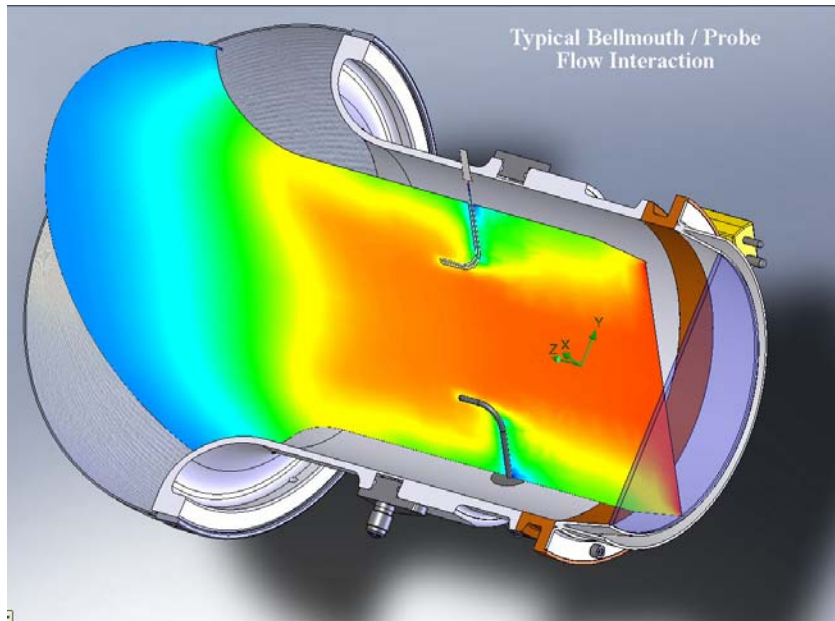
We do! Atec has recently added a Computational Fluid Dynamics (CFD) software analysis package to our engineering modeling capabilities.

COSMOS FloWorks™ integrates with our existing SolidWorks™ engineering design package, allowing seamless integration of our 3-D design models into a fluid flow analysis tool.

We now have the capability to predict aero/thermal dynamic

properties for all engine test apparatus such as bellmouths, screens, probes, etc. Most importantly, we can model the interaction of neighboring structures in the airflow path and provide 3-D simulated flows from the intake stack to the exhaust stack of a test cell, and all points in between.

Let us know if you have a CFD need today!



Atec's Phoenix Series™ Test Cell

Atec introduces its Phoenix Series™ Modular Test Facility, a containerized test cell enclosure that can be fully equipped with all engine support systems. While both water and air-brake load options are offered, Atec has developed an innovative dynamometer system using an electric regenerative dynamometer. This dynamometer is a "clean" alternative to traditional systems.

The Phoenix Series™ Modular Test Facility offers the ideal solution for turboshaft and low thrust turbofan engine test requirements providing all the functionality of a traditional engine test cell with the benefits of mobility.

"With two of these modular facilities already on order from a major engine OEM, this promises to be a fantastic new product for the engine test industry and Atec, Inc.", said Paul Fenley, Vice President of Atec.

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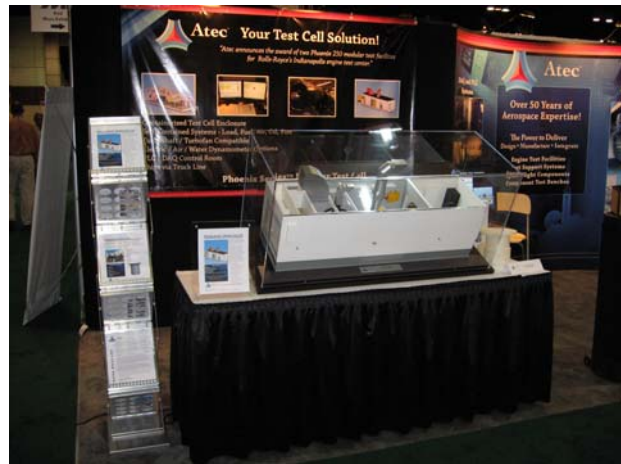
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Heli-Expo 2007

Atec, Inc., exhibited at Heli-Expo 2007 held in Orlando, Florida where we unveiled our new Phoenix Series™ Modular Test Facility.

Heli-Expo is the largest tradeshow dedicated to the civil helicopter industry. Sponsored by the Helicopter Association International (HAI), this event includes over 500 exhibitors and a variety of educational and informative forums, workshops and special events.



F100 Equipment Given NSN's

Two pieces of Atec's F100 test equipment were recently given National Stock Numbers.

Atec's Extended Bellmouth (P/N: 129-8201-2 and NSN: 4920-01-546-5639) is suitable for immediate use with F100-200/220E/220I/229I/229 engine models. This bellmouth decreases multi-items logistic support while improving long-term reliability.

Our Starter Gearbox (P/N: 129-8000-1 and NSN: 4920-01-546-9234) provides a suitable motive force for starting the F100-PW-100, -200, -220 and -229 series aircraft engines. It is a form, fit and functional replacement for the original 103-3019-1 drive assembly.

A National Stock Number (NSN) is a 13-digit numeric code, identifying all standardized material items of supply in the United States Department of Defense.

Winglets

Cobra

The Bell AH-1 Cobra is the first rotorcraft designed specifically to carry weapons. It boasts one M197 20-mm cannon in under-nose turret and four under-wing hard points for guided anti-armor, air-to-air missiles or unguided high explosive rockets.

Two General Electric T700-GE-401 turboshaft engines (each rated at 1,723 shp) provide the power for a maximum speed of 219 mph.



Its agility and firepower have made the Cobra the infantryman's best friend!