



**MESSAGE FROM THE PRESIDENT**



Bauer President, Lou Auletta

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For more than 60 years, the aviation industry has recognized Bauer for its expertise in the design and manufacture of complex test systems. Many of our customers however, do not realize the extent of Bauer's involvement with various other types of support equipment. For example, our company has developed a broad range of support equipment that currently includes more than 30 different products. These products—although related to the aviation maintenance field—have wide and varied applications. They are used in engine assembly and accessory shops, aircraft hangers and aircraft wheel and brake shops worldwide.

One commonality shared by most Bauer support equipment is how they originate. Virtually all of these products are conceived by working closely with a customer who has specific needs and then designing and building the product to satisfy that need. The result of such partnerships is the development of excellent systems, the satisfaction of many customers and an abundance of other clients who continue to benefit regularly from the availability of a broad range of support equipment.

In this issue of *AeroVision*, we are placing a particular emphasis on Bauer's support equipment with a spotlight on a few specific products. Additional information on Bauer's support equipment is also available on our website at [www.bauerct.com](http://www.bauerct.com). As always, we greatly appreciate receiving your feedback and ideas for future topics at [aerovision@bauerct.com](mailto:aerovision@bauerct.com) or you may return the fax form on the last page of this newsletter. Thank you for taking the time to provide us with your comments.

*Lou Auletta, President*

**BAUER'S COMMITMENT TO SAFETY:  
SUPPORT EQUIPMENT FOR AIRCRAFT  
WHEEL AND BRAKE SHOPS**

Aircraft wheel and brake shops are labor intensive operations. As a result, personnel in these shops are often susceptible to overexertion and injuries. Back in the mid 1980s, Bauer—with its industry reputation for custom engineered solutions—was asked by a major U.S. airline to design a machine to improve the wheel assembly process. The project's primary objectives were to increase

*Continued next page....*

**Customer Reflections**

"The project is going extremely well and we remain very satisfied with the support we are getting from the Bauer team." (Story on page 2)

Dan Grady  
General Manager  
1-Source Aero Services

**For Sale****Refurbished Main Engine Fuel Accessories Test Stand**

Main Engine Fuel Accessories Test Stand in excellent condition. Provides fuel flow up to 25,000 pounds per hour and includes a 75 HP drive system. Digital data display (expandable to data acquisition) system. Less than one year of actual usage. Test stand can be configured for applications such as CF34, CFM56, JT8D, V2500 fuel controls, fuel pumps and other high flow accessories. For further information, photo and to discuss your specific application, contact Bill Kovall, V.P. at [bill.kovall@bauerct.com](mailto:bill.kovall@bauerct.com) or call 1-860-583-9100 x126.

**BAUER'S COMMITMENT TO SAFETY**

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productivity and improve safety. This opportunity resulted in the development of Bauer's Universal Wheel Build-Up Stand, which has been installed in hundreds of locations worldwide.

The current version of the Bauer Model 8071 Universal Wheel Build-Up Stand accommodates every aircraft wheel type, of which there are more than 150 in service. It enables one person to efficiently and safely assemble aircraft wheels.

Since the inception of the Wheel Build-Up Stand, Bauer has progressively established a comprehensive Aircraft Wheel & Brake Shop Support Equipment product line which includes: the Automatic Tire Inflator and Tire Inflation Safety Cage; the Tire Bead Breaker; the Hydraulic Brake Assembly Test Stand and; most recently, the addition of an Automatic Torquing System (see Product Highlight on page 3 of this newsletter).

Bauer Wheel & Brake Shop Support Equipment is available for demo and with lease financing. For further information, contact Lou Auletta, Sr. at [lousr@bauerct.com](mailto:lousr@bauerct.com) or call 1-860-583-9100 extension 140.



**Bauer's Model 8071 Universal Wheel Build Up Stand is used industry-wide for safe and efficient wheel assembly.**

### **NEW PROJECTS: COMMERCIAL AND MILITARY ENGINE ACCESSORIES TEST SYSTEMS**

Bauer recently initiated a large program with 1-Source Aero Services S.A. (Pratt & Whitney and Hellenic Aerospace Industry S.A. Joint Venture Company) for the design and manufacture of various engine accessories test systems. This equipment will provide complete overhaul test capability for the full range of accessories on the P&W F100-220/-229 and F117/PW2000, IAE V2500 and CFMI CFM56-2/-3/-5/-7 engines.

1-Source Aero Services will function as a full service center for the repair and overhaul of control systems and other accessories of commercial and military aircraft engines. They will be based at the facilities of Hellenic Aerospace Industry, Tanagra in Greece. The center is expected to be in full operation in 2006.

"The project is going extremely well and we remain very satisfied with the support we are getting from the Bauer team," said Dan Grady, General Manager, 1-Source Aero Services. "The Bauer staff has been super to work with," he said.



**Hellenic Aerospace Industry facilities in Tanagra, Greece will be the site of a new full service center for the repair and overhaul of control systems and other accessories, a joint program with Bauer, Pratt & Whitney and Hellenic Aerospace Industry S.A.**

*Photo courtesy of Hellenic Aerospace Industry S.A.*

**CUSTOMER SUPPORT SERVICES FOCUS: MODIFICATIONS AND UPGRADES**

Bauer’s recently expanded Customer Support Services Group is busy providing test equipment modification and upgrade services to customers worldwide. The tightness of capital still prevalent in our industry has many customers seeking opportunities to improve and expand their existing equipment’s capabilities as an alternative to making larger investments in new equipment.

Bauer is currently involved in a number of projects ranging from field modifications and adding new component test capability to existing test stands, to providing instrumentation upgrades that incorporate data acquisition systems with current technology. Even the complete refurbishment of test stands, some of which are over 30 years old, are underway.

“Although modifications to existing equipment can present certain challenges and risks which you would not necessarily have to deal with on new equipment, if these solutions are the right match in a given situation then technically and financially Bauer has the experience and the resources to make it work for the customer,” said Andrew Parfitt, Director of Customer Support Services.

For further information or to discuss your specific requirements relating to modifying or upgrading existing test equipment, contact Andrew Parfitt at [andrew.parfitt@bauerct.com](mailto:andrew.parfitt@bauerct.com) or call 1-860-583-9100 extension 183.



**Bauer’s Customer Support Services latest brochure is now available. To request a brochure or other company information contact Andrew Parfitt.**



**Bauer Model 8731 Wheel Assembly Torquing System is the ideal tool for safety and reliability when performing in this critical application.**

**PRODUCT SPOTLIGHT:  
FOR ACCURACY AND SPEED SELECT THE BAUER WHEEL ASSEMBLY TORQUING SYSTEM**

Bauer Model 8731 Wheel Assembly Torquing System has quickly become a popular equipment choice to supplement Bauer’s widely-used Wheel Build-Up Stand. The Wheel Assembly Torquing System is a computer-controlled dual spindle nut runner that accurately and rapidly performs bolt tightening according to both torque and snug angle procedures as directed by aircraft wheel OEMs.

The Torquing System is programmed with the appropriate torque data for every specific aircraft wheel configuration, including pre-torque, final torque and snug angle values. As bolt tightening is performed (with an accuracy of 1% full-scale) the actual torque and snug angle values for each tightening sequence display on the operator interface monitor and pass/fail criteria are also clearly indicated. Wheel-specific torque data is recorded and stored for future reference or report generation.

The complete Wheel Assembly Torquing System consists of: the Bauer Model 8071 Wheel Build Up Stand; the Bauer Model 8731 Torquing System with dual nut runners suspended on an air balanced cable from a swinging gantry boom; the Wheel Lifting Fixture on a Hoist suspended from a second swinging gantry boom; and the Torquing Spindle Angle-Check Calibration Adapter and Torque Calibration Standard with NIST traceable calibration. For further information on Bauer’s Model 8731 Wheel Assembly Torquing System, contact Lou Auletta, Sr. at [lousr@bauerct.com](mailto:lousr@bauerct.com) or call 1-860-583-9100 extension 140.

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Bauer, Inc. is the world's industry leader in the design and manufacture of Aircraft Maintenance Support Equipment and Test Systems. With over 60 years in the business, Bauer maintains an outstanding reputation for providing high quality products and exceptional service to the Aircraft Maintenance Industry. For further information on Bauer, Inc. contact Lou Auletta, President, at [lou.auletta@bauerct.com](mailto:lou.auletta@bauerct.com).

### **BAUER TO EXHIBIT AT UPCOMING CONFERENCES**

This fall, Bauer will present at two important global exhibitions—the Aerospace & Defense Exhibition 2005 at the Seoul International Air Show 2005 and the Aerospace Testing Expo 2005 NORTH AMERICA.

On October 18<sup>th</sup>, Bauer joins its Korean partner, Lumax Aerospace, at Booth E4 and E5 for the fifth annual Aerospace Defense Exhibition. This five day event, emerging as a new hub for the aerospace and defense business in Asia, will be held in Seoul Airport. Stop by to visit Bauer President, Lou Auletta (Cell: +1-860-796-6097), who will be in attendance. For more information on the Seoul International Air Show 2005 visit: [www.seoulairshow.com/info](http://www.seoulairshow.com/info).

Bauer will also participate in the North American debut of the Aerospace Testing Expo from November 8<sup>th</sup>-10<sup>th</sup> at the Long Beach Convention Center in Long Beach, California. Aerospace Testing Expo

2005 NORTH AMERICA will showcase the latest test equipment, systems and services from an estimated 300+ leading North American and international companies, covering the full spectrum of civil and military aerospace test, evaluation and inspection requirements. Bauer's exhibit will feature our complete test system and support equipment product lines. Come meet Bauer President, Lou Auletta (Cell: +1-860-796-6097), and Director of Support Services, Andrew Parfitt, who will both be in attendance at Booth 2044. For additional information on the Aerospace Testing Expo 2005 NORTH AMERICA visit:

[www.aerospacetesting-expo.com/northamerica](http://www.aerospacetesting-expo.com/northamerica)

To receive additional information or send comments please email

[inforequest@bauerct.com](mailto:inforequest@bauerct.com) or fax this form to: 1-860-583-9111

Name: \_\_\_\_\_ Company: \_\_\_\_\_

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Country: \_\_\_\_\_ Zip: \_\_\_\_\_

**I would like information on (please check):**

- Aircraft Component Test Equipment
- Test Equipment Modifications/Upgrades
- ADA2000 Data Acquisition and Control System
- Aircraft Wheel and Brake Shop Equipment
- Technical Services (Spares, Maintenance, Repairs, Calibration)
- Other: \_\_\_\_\_
- Please have someone contact me