Model 1034 Main Fuel Pump Test Stand

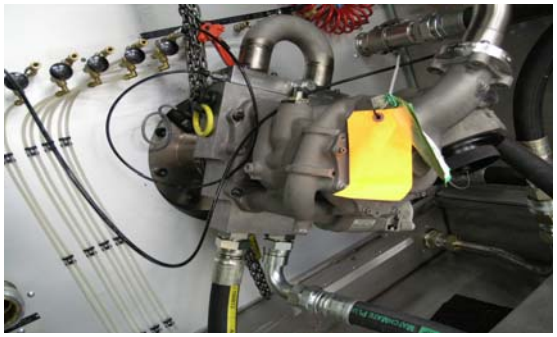


Providing expert solutions ensuring performance, safety and reliability

Most widely used test equipment in the aerospace industry – test equipment of choice by the industry's leading OEMs

Performance and Support Guaranteed for Life

Bauer Model 1034 Main Fuel Pump Test Stands provide test capabilities for a wide range of aircraft engine fuel pumps in exact accordance with OEM component test procedures. Depending on the configuration best suited for each customer's application, the variable speed drive system can range from 10–300 HP at speeds of 4000-25000 RPM. Fuel flow using MIL-PRF-7024 Type II test fluid may be up to 250 GPM. Bauer fuel pump test stands are designed for manual or semi-automatic operation depending on customer preference. Automatic pump break-in test capability provides an exceptional productivity benefit. A sound-attenuated test chamber ensures a noise-free testing environment.



Bauer Main Fuel Pump Test Stand Features and Benefits

Easy and Dependable Operation

- Bauer test stand designs are based on over 80 years of component testing experience and working closely with customers worldwide to understand their needs.

ATS3000 Data Acquisition System

- Bauer's data acquisition and test management software is the latest generation, most powerful, most expandable, easiest to use and easiest to support in the industry – providing high accuracy and maximum productivity.

Component Test and Overhaul Tooling

- Bauer provides OEM-equivalent test adapter sets and test program sets (TPS') for all components. Complete component overhaul tooling is also available from Bauer.

Expandability

- With nearly 80% of all customers returning to Bauer within 5 years of start-up to add new test capabilities, Bauer designs all equipment to be fully expandable and adaptable.

Ease of Calibration and Maintenance

- Standard design practices, parts selection and detailed operation manuals ensure that requirements for test stand calibration and maintenance are easily accomplished.

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SPECIFICATIONS

Drive	Up to 300 HP and up to 25,000 RPM
Fuel Flow	Up to 250 GPM
Test Fluid	MIL-PRF-7024 Type II
Fuel Supply Filtration	3-Micron Absolute
Fuel Temperature Control	Maintains proper test fluid temperature (typically 85°F±5°F)
Dimensions / Weight	132" (335 cm) W x 130" (330 cm) D x 90" (229 cm) H / 15,000 lbs
Voltage/Frequency	All worldwide electrical power systems
Sound Level	< 75 DBA

STANDARD FEATURES

- Digital Instrumentation with In-Situ Calibration
- Sound Attenuated Test Chamber
- Ergonomically Arranged Instruments and Controls
- Balanced Inlet Pressure Control
- Fuel Temperature Conditioning System
- Fuel Pump Discharge Control Circuits
- Designed for use in Class I, Division I Group D hazardous area as defined by U.S. National Electric Code (Instrumentation System is Div 2)
- Operation Safety Interlocks
- Test Adapter Kits
- Full CMM /TO Compliance with Certification

OPTIONS

- Bauer ATS3000 Data Acquisition System
- Semi-Automation – Automatic Pump Break-In, Boost Inlet Control, Pump Bypass Control
- OEM or OEM-Equivalent Tooling
- CMM Equivalency Certification
- Installation / Turnkey Projects

TYPICAL APPLICATIONS

CF34	Trent 500	GE90	F135
CFM56	Trent 700	GP7200	F136
V2500	Trent 800	T700	Turboprops
CF6-80	Trent 900	F404	
PW2000	Trent 1000	F100	Helicopter
PW4000	Trent XWB	F110	Engines
T56	RB211-535	F117	
AE2100	GEnx	F119	APUs

Bauer, Inc.
175 Century Drive, Bristol, Connecticut 06010 ♦ USA
Tel: +1 860 583-9100 ♦ Fax: 1 860 583-9111 ♦ BAUERCT.COM