

# TESTING

## TLT-Babcock's In-House and Field Testing Capabilities Confirms Performance and Efficiency of Equipment

### Testing

Whether it's a new or existing axial or centrifugal fan, TLT-Babcock offers a full range of testing capabilities at our assembly facility, as well as in the field, in order to validate and evaluate fan performance. Testing services help reduce operating costs, extend the life of fans and provide a better understanding of as-built operating conditions, efficiencies and limitations. TLT-Babcock's fan testing ensures that performance meets design specifications, regardless of the original manufacturer.

All TLT-Babcock-made fan rotating components are completely assembled and tested at our facility prior to delivery. Here, we can perform full-size or scale-model performance testing, over-speed testing and balancing.



### Capabilities

In an effort to help customers resolve flow, vibration or mechanical problems, TLT-Babcock offers full AMCA 803, ISO 1940 and ASME PTC-11 fan testing capabilities, as well as other comprehensive performance tests to keep equipment working efficiently. As-installed performance results can be used as the basis for modifications or adjustments to the fan. Our testing capabilities include:

- Testing per AMCA, ISO 1940, BSI and ASME specifications
- Full-size fan performance testing to provide complete flow, pressure and efficiency data
- Fan overspeed testing



**TLT-BABCOCK**  
A New York Blower Company

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## Capabilities (cont'd)

- Field simulation testing
- Fan static resonance “Bong” testing
- In-house variable speed capabilities to 2,500 HP
- Foundation sensitivity on-site testing
- Critical speed analysis
- Gas flow and vibration analyses
- Strain gage testing
- Noise testing to ANSI Standards
- Use of NYB’s three AMCA certified labs for performance and noise testing

## Applied Technology

TLT-Babcock’s testing, engineering, repair and manufacturing abilities can provide solutions to improve a fan’s performance problems, regardless of the original manufacturer. Once baseline performance has been established, TLT-Babcock can engineer a solution on a fan-by-fan basis. Further, TLT-Babcock service engineers can then consult with customers to ensure the engineered solution is properly implemented. When the fan is ready for operation, TLT-Babcock can re-test to make sure the desired performance has been achieved.

## TLT-Babcock - Engineered to Order

As a pioneer in heavy-duty air handling equipment, TLT-Babcock specializes in offering custom-engineered designs to provide reliable, low maintenance equipment that optimizes a plant’s performance.

Our team of highly experienced engineers and project managers have a reputation for innovative thinking and design and are completely accessible and responsive to you. Don’t live with fan problems, for 24-7 support call 1.800.876.8582.



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