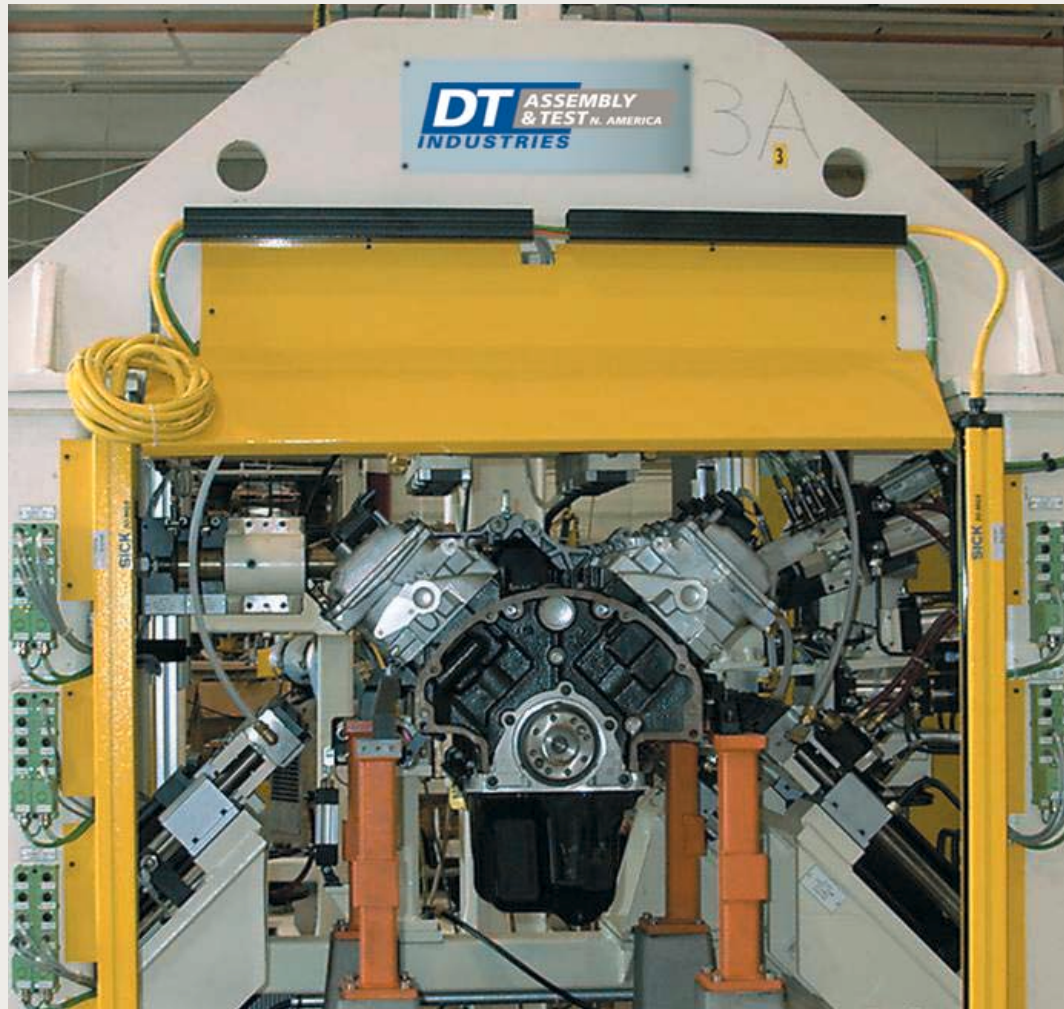


A division of DT Industries, Assembly & Test – N. America (AT-NA) is an industry leader in leak test technology.

From stand-alone stations to fully integrated line-index transfer leak test machines, AT-NA has evolved into a specialized supplier of leak test equipment for various markets and applications.

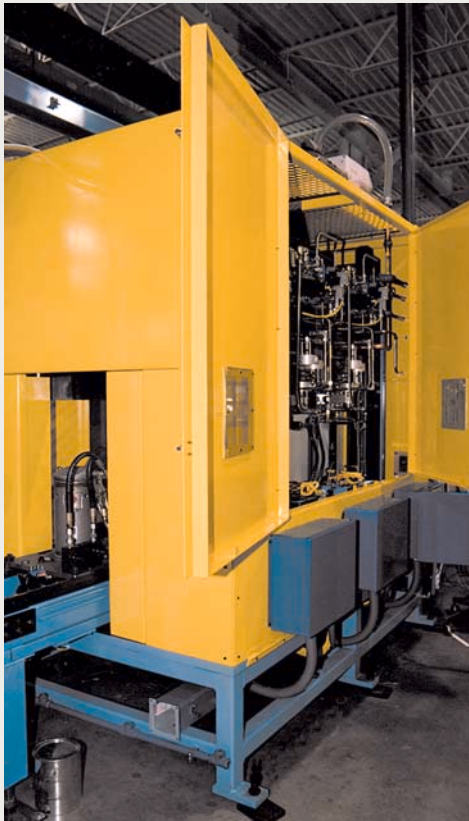
For example, over 150 individual leak test machines have been manufactured for powertrain components such as:

- Engine Cylinder Blocks and Heads
- Complete Engine Assemblies
- Transmission Bells and Cases
- Valve Bodies, Pumps, and Clutches



#### Leak Test Systems Highlights

- Easily configurable for different testing methods:
  - Pressure Decay
  - Mass Flow
  - Mass Flow with Overfill
  - Differential Pressure
  - Differential Pressure with Overfill
  - Vacuum Flow
- Allows customers to modify test parameters without having to re-write hard-coded information
- Incorporation of standard techniques and components used in hundreds of prior applications
- Advanced seal technology incorporating compression limiters and unique retainer designs
- Interchangeable quick-change platen designs
- AT-NA Standard Leak Test Panel and station equipment can be supplied by one source, eliminating integration issues and challenges
- Competitive price advantage
- Increased customer satisfaction
- Incorporation of third-party leak test panels at customer request



▲ This combination burst/leak-test station functions with a 10-second cycle output. Area guarding and safety is a top priority.

## Leak Test Process Capabilities

AT-NA Leak Test Systems are capable of exposing a wide range of identifiable defects, including:

- Gross cavity leaks
- Fine cavity leaks down to 1cc per minute
- Casting porosity
- Cavity-to-cavity leaks
- Core shifts
- Die casting errors
- Machining errors
- Damaged surfaces
- Cracks
- Warped components
- Mis-assembled components
- Missing components
- Component presence
- Out-of-round condition
- Component orientation

Assembly & Test – North America  
A Division of DT Industries  
[www.dtindustries.com](http://www.dtindustries.com)

- Lean assembly and test solutions
- Automated assembly and test solutions
- Powertrain test solutions
- Material handling solutions
- CAPAC and OSCAR software

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## Take the Next Step.

Please contact us today to discuss your application and explore profitable possibilities.



## Standard PC-Based Control Software

- **Test Screen** – displays test in progress, status lights, leak limits, actual transducer readings, and final test results
- **Manual Screen** – allows manual control of test circuit valves
- **Graph Screen** – allows transducer output waveforms and the status of test circuit valves during the test
- **Configuration Screen** – allows configuration of test channels and parameters
- **Results Screen** – displays the last 100 test results; network connection is possible for data upload

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