

# NAC

NEUBERT AERO CORP.



## Baltimore-Washington International Upgrades Friction Testing with NAC:

Baltimore-Washington International Thurgood Marshall Airport (BWI)

### Challenge:

For years, Baltimore-Washington International Airport (BWI) conducted friction testing with mechanical decelerometers and a dedicated Continuous Friction Measuring Equipment (CFME) vehicle that provided accurate reports only in certain conditions. This often left BWI with skewed data, and occasionally resulted in human errors that were a natural by-product of manually-generated reports. When the FAA updated friction testing compliance requirements, BWI set out to upgrade its dated technology. It needed a solution that would generate accurate reports, reduce risk and liability, and automate manual functions.

### Solution:

BWI purchased four Dynamic Friction Decelerometers (DFDs) from Neubert Aero Corp. with funding assistance from the federal Airport Improvement Program. The airport immediately benefited from the equipment's automation, which provided accurate records of conditions and reduced the chance of human error.

BWI also replaced its dated CFME vehicle with NAC's Dynamic Friction Tester (DFT). The DFT's tow-behind design allowed it to be easily mounted on any available vehicle. In addition, its ability to perform in all weather conditions gave BWI flexibility to use it year-round.

### Results:

Investing in NAC's friction testing products helped BWI to:

- Maintain safer runways
- Reduce liability and risk
- Perform accurate, repeatable tests
- Receive accurate data results
- Produce automated friction reports, statistics and graphs
- Conduct testing efficiently

**"Our electronic DFD interprets data and removes human errors, which means we get better, more reliable information."**

*—Airport Operations Manager, BWI*

### Dynamic Friction Decelerometer (DFD) - Electronic:

- Portable, rugged and reliable
- Real-time, 3-axis detection
- Automatic alignment
- USB cable connectivity



### NAC's Dynamic Friction Tester (DFT):

- All-inclusive CFME
- Rugged and reliable
- Monitors ambient & surface temperatures
- Wireless & cable connection
- "Green Dragon" technology uses no fuel
- Solar recharging system



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