

WHO ARE WE

Element Tinton Falls is a full-service environmental test facility with more than 15 different chambers, shakers, a catapult, drop towers, and impact test platforms (hail, stone, and small caliber fragments). Our team of experts in EMC/EMI, environmental and dynamics testing serve the mid-Atlantic region performing the tests you need in a timely and cost-effective manner.

We have extensive experience in electromagnetic radiation and susceptibility testing, product safety, dynamics and environmental testing — to name just a few. With a mastery of current test and conformity requirements for domestic and international, we can assist you with product assessment and program test requirements to assure maximum customer acceptance.

EMI/EMC/ESD TESTING

Element Tinton Falls provides EMI/EMC/ESD testing services to a wide variety of industries with expertise in testing to Defense, Aerospace, Space, Consumer Electronics, Telecom, Medical Device and Automotive Industries.

Our EMI/EMC/ESD testing capabilities include:

- Radiated Susceptibility - 200 V/m, frequency range 10 kHz to 40 GHz
- Radiated Emissions - 30 Hz to 40 GHz
- Two three-meter FCC listed, semi-anechoic chambers
- Two-meter semi-anechoic chambers
- MIL/AERO semi-anechoic chambers

EMI/EMC/ESD TESTING (continued)

- Electrical power characteristics testing
- Airborne acoustic noise and structure-borne noise
- Antenna characterization
- Shielding effectiveness, transfer impedance
- Electrostatic discharge up to 30 kV

TELECOMMUNICATIONS (NEBS) TESTING

Element Tinton Falls also provides certification of Telecommunications products to Network Equipment Building System requirements (NEBS) as well as international standards. We also provide complete certification of information technology, industrial, and other commercial electronic products to global EMC, and Product Safety regulatory standards (a)-7(i)-1.4 (c p)-5.9 (r)1.2 (oT07-20 (s

DELIVERING INNOVATIVE PRODUCT TESTING AND CERTIFICATION SOLUTIONS

FUNGUS TESTING

Tinton Falls is a USDA approved fungus lab with an on-sta mycologist. Our fungus resistance testing - also known as non-nutrient growth testing - is ideal for products intended for use in warm and humid climates. Since fungal growth is known to impede mechanical, electrical and optical functions - as well as pose certain infection and health risks - it is an imperative test to conduct. And with soil burial testing available, we offer wide-range fungal testing so there's no shortage of what we can test for you.

Our fungus testing services are designed to meet a myriad of US and European standards including:

- MIL-STD-810 Method 508
 - RTCA-DO-160 Section 13
 - ASTM G-21
 - ASTM C1338 and other ASTM standards
 - MIL-PRF.4 (o)O Me-O-MA- A--USO4m[(5(h)-62 (5(Tc O Tw 9.5 O O 9.5 315 4
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