



Instron ElectroPuls 3000



Bose ElectroForce 3200

Comparison of Fatigue Testing Technologies and Instruments

Ever wondered what the relative advantages are for the various fatigue testers MDT uses in its test lab? We have a wide array of tester types to choose from including servohydraulic, servopneumatic and single phase and multi-phase linear motors. With a 38-year background in the design and development of fatigue testers and the founding of several testing companies, Kent Vilendrer provides insights about the impact of these technologies within the testing market in this [technical brief](#).

MDT Fatigue to Fracture (FtF) Testing Capabilities

Did you know that MDT has over 30 Instron, MTS, and Bose uniaxial test systems for fatigue to fracture testing including 8 Instron ElectroPuls systems? FtF uses superphysiological loads and accelerated frequencies to impose early failures in a test specimen, device component, or coupon. By creating early failures, developers can experiment with different device designs, material or finishing processes and more rapidly gain an understanding for how these inputs affect the device life. MDT has a wide array of fixture designs that enable us to set up tests quickly so we can rapidly generate FtF data for input into your design process. [Contact us](#) today to learn more about how FtF can accelerate your development cycle and enhance your speed to market!

Free Consultations

Are you unsure how to get started with contract testing or how your device should be tested? We offer free consultations to clients interested in testing services to discuss your specific application. Our experienced engineers can tackle even the most challenging projects and help you accelerate your product testing. We also enjoy sharing our [testing tips](#) with the medical device community.

Stay Connected to Industry and Testing News

MDT, the leader in contract test services, provides regular industry and testing updates on several social media platforms and welcomes suggestions from and discussions with the medical device community. Connect with us on [LinkedIn](#), [Twitter](#) and [Facebook](#).

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