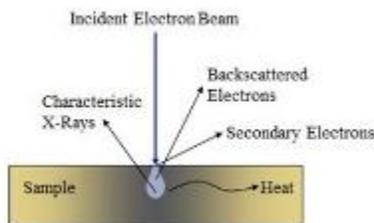




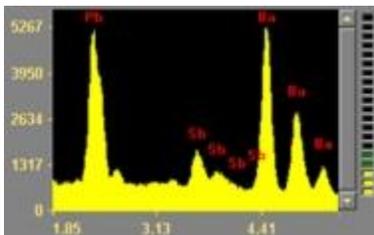
## New Whitepaper on the Advantages of Scanning Electron Microscopy (SEM)

Optical Microscopy and Scanning Electron Microscopy are fundamental inspection methods in the medical device industry, but there is one key difference between these methods that gives them unique benefits and capabilities. The main difference between a Scanning Electron Microscope (SEM) and an Optical Microscope (OM) is the type of beam applied to the sample. For optical microscopy, a beam of light is applied to the sample, allowing the observer to analyze the effects of light as it interacts with the sample. For scanning electron microscopy, a beam of electrons is applied to the sample, allowing the observer to analyze the effects of electrons as they interact with the sample. [Click here](#) for a white paper detailing our comprehensive approach to SEM inspections including our Automated Feature Analysis (AFA) Software and EDS capabilities.



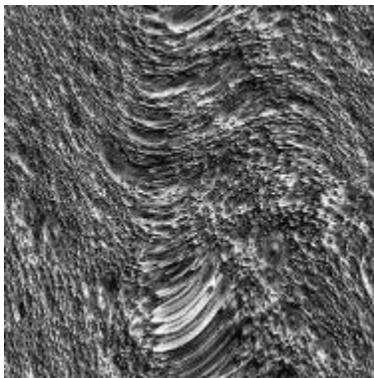
## Welcome to MDT Testing Tips!

Each week we post a [testing tip](#) to help the medical device community with their challenging testing needs by sharing our know-how and lessons learned through decades of testing. Topics include test control, monitoring, fixturing, motion verification, inspection methods and other testing methodology. If you have a tip you would like to share on our website, we would love to hear from you! [Contact us](#) here.

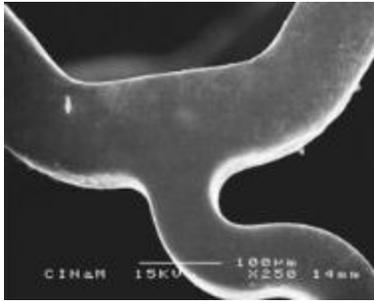


## MDT Orthopaedic Testing Capabilities

Did you know that MDT has over 25 Instron, MTS, and Bose uniaxial test systems including 8 Instron ElectroPuls systems for [orthopaedic testing](#)? We have tested a wide range of devices for our customers including prosthetic knees/hips, spinal discs and implants, bone screws, sternal closures, nucleus devices, and intermedullary fixation devices. For a limited time, we are providing a **50% discount** off the first month's rental rate for [Instron ElectroPuls](#) system rental. ElectroPuls systems have a loading capacity of 3000N which can be extended to 7500N with our load multiplication fixture and are ideal for orthopaedic implant testing applications. [Contact us](#) today to take advantage of this limited time promotion!



## 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.

### **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](#).



Medical Device  
Testing Services  
5929 Baker Road, Ste 430  
Minnetonka, MN 55345

Ph: 952-933-1152  
Fax: 952-933-1186  
[info@devicetesting.com](mailto:info@devicetesting.com)  
[www.devicetesting.com](http://www.devicetesting.com)