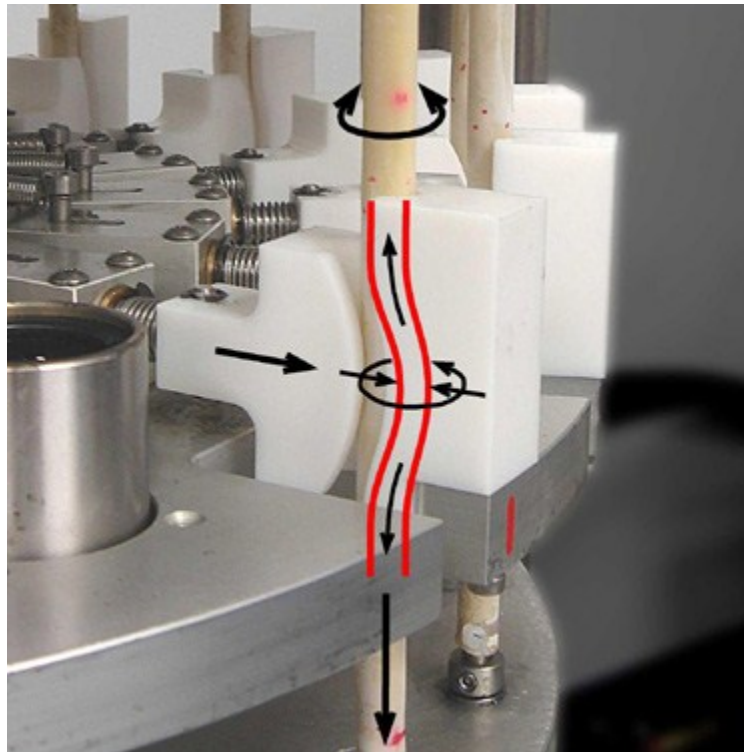


Gait Motion

Peripheral Device Durability Testing



This accelerated fatigue test combines axial strain on a stent with bending and twisting. These conditions occur in peripheral stenting locations such as the saphenous or popliteal artery.

The test uses a special fixture designed by MDT that is integrated with a standard axial torsion fatigue test system. The MDT gait motion fixture converts the linear/rotary motion of the test instrument into a simulated gait motion. The fixture first applies tension to 16 devices and then rotates and bends them simultaneously. The process is then reversed and the cycle repeated to provide 10 million cycles (10 years post-implantation) in less than 2 months.

A wide range of strain, rotation and bending inputs can be applied and can be adapted to your particular test plan.

Contact Us

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Accelerated Durability Test Specialists

With more than 20 years of medical device testing experience, MDT will assist you in all aspects of your test program. Our staff has pioneered many new accelerated fatigue tests. Visit us on the web at www.devicetesting.com.