

# ElectroForce® Testing Solutions For **Drug Coated Stent Devices**

Pioneering a New Age of Stent Testing

Welcome to **Above & Beyond™** Support  
Industry-leading assistance from applications specialists.

Powered by **ElectroForce®** Technology



Your success. Our mission.™



ElectroForce® provides highly versatile testing instruments to support the most demanding cardiovascular device research and product development.

## ElectroForce® 9210 Drug Eluting Stent Test Instrument

Monitor particle loss from endovascular devices under conditions of accelerated **pulsatile** fatigue and continuous unidirectional fluid flow.



- Dual motor design provides uniform strain profile across tubes, larger distensions, and high frequency bandwidth
- Isolated flow loops ensure more accurate particulate measurement
- Vertical tube orientation facilitates air purge access for easy test set-up

TA ElectroForce offers two multi-specimen test instruments designed to accurately count and capture particulate under the condition of accelerated fatigue.

### Shared system features:

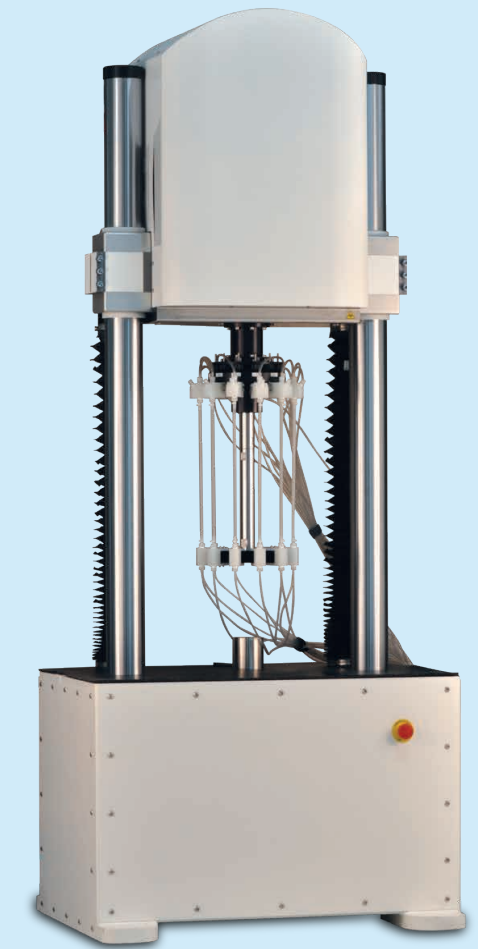
- Test up to 12 samples simultaneously
- High frequency bandwidth reduces overall test times
- Individual sample flow loops ensure proper analysis of sample particulate elution
- Easily interfaces with third party real-time particle counters
- Automated on-board capture modules and filter cartridges for continuous particle capture

## ElectroForce® 3510 Multi-specimen Fixture with Particle Capture

Monitor particle loss from endovascular devices under conditions of **tensile** fatigue and continuous unidirectional fluid flow.



- Ergonomic fixture design facilitates deployment of stents for easy test set-up
- Adaptable for a large range of stent sizes
- Individual sample tension adjustment leads to consistent device pre-loading
- Robust system controller eliminates need for re-tuning between tests



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ElectroForce® has a wide range of test instruments to ensure the best fit for your applications. Find out more at [electroforce.tainstruments.com](http://electroforce.tainstruments.com)

ElectroForce® 9210 Drug Eluting Stent Test Instrument	
Number of Samples	12
Lumen Diameter	2-14 mm
Max Sample Length	200 mm
Radial Distention Range	2-10%*
Mean Pressure Range	0-300 mm Hg*
Flow Rates	0-250 ml/min*
Frequency Range	0-100 mm Hz*
Temperature Range	Ambient to 37° C*

ElectroForce® 3510 Multi-specimen Fixture with Particle Capture	
Number of Samples	12
Lumen Diameter	2-13 mm
Max Sample Length	300 mm
Max Displacement	50 mm
Mean Pressure Range	0-300 mm Hg*
Flow Rates	0-250 ml/min*
Frequency Range	0-100 mm Hz*
Temperature Range	Ambient to 37° C*

\*Note: Specifications dependent on sample and setup

## Comprehensive portfolio of vascular and endovascular device testing instruments

- Radial/pulsatile fatigue testing of valve stented structures
- Axial fatigue testing of materials and components in single-sample and multi-sample configurations
- Multi-axis peripheral stent test instrument
- Accelerated durability testing of heart valves



## Above & Beyond® support

Experience industry-leading assistance from application specialists, including a 10-year motor warranty, unlimited phone technical support, protocol development assistance, calibration and data control, and free online training sessions.

Testing Solutions for  
**Medical Devices • Biomaterials • Engineered Materials**



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