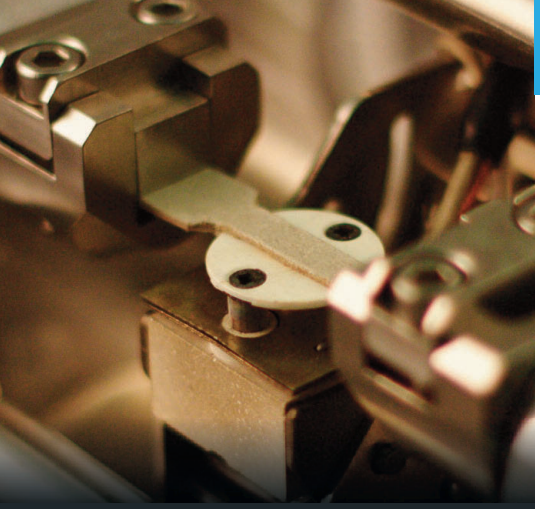

Tensile Testing for Today

Modern day Scanning Electron Microscopes can be very complex, especially when it comes to fitting a tensile stage. The vacuum chamber of an SEM is already a confined space, and there may be other instruments already installed which form additional obstacles. Swift Instruments have solved this problem by designing a flexible range of new tensile stages which address today's space constraints.

Electron Microscopy Sciences

Electron Microscopy Sciences
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Hatfield, Pa 19440
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***or* stacie@ems-secure.com**
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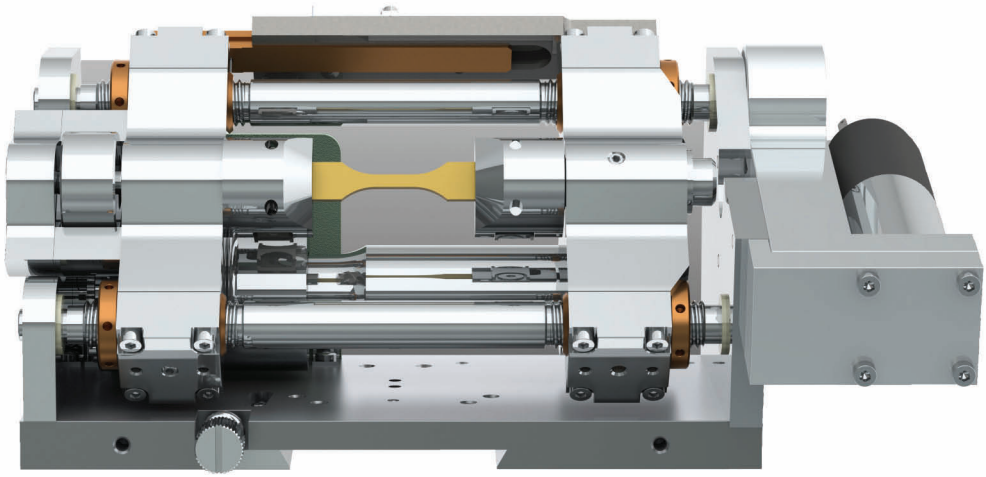
A new range of adaptable tensile and compression solutions for today's SEM

Swift Instruments SWF 5000 and SWF L5000 Tensile Stages



Introducing the SWF 5000 and SWF L5000 Tensile Stages

Swift Instruments are proud to introduce the Swift SWF 5000 and SWF L5000 Tensile Stages. Providing an already comprehensive specifications, these Swift Tensile Stages can be fully customized to meet your exact requirements.

The Swift SWF 5000 provides a compact system for testing samples at both the flat position and EBSD 70° angle. The stage's rotating jaws eliminate the need to tilt or move the stage itself. This allows for both a space-saving form factor and greater setup efficiency and ease of use.

The Swift SWF L5000 is a low profile solution for tensile testing at both the flat position and EBSD 70° angle. This highly compact design is ideal for tensile testing when headroom is at its most limited.

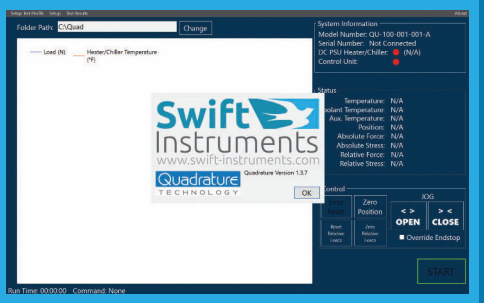
Computer-Controlled Workflow

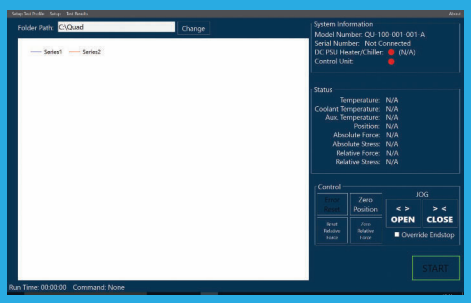
The Swift Controller is compatible with PCs running Windows 7 or later, and is supplied with extensive software. Test routines can be defined which control the load, temperature and positions of the sample. Results can be displayed and saved for later use.

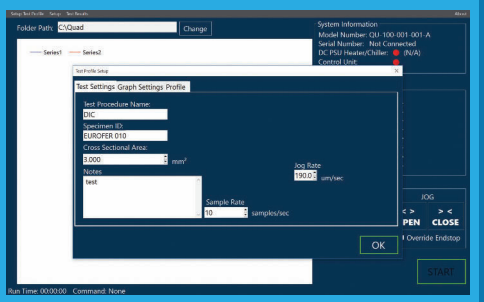
Heating and Chilling

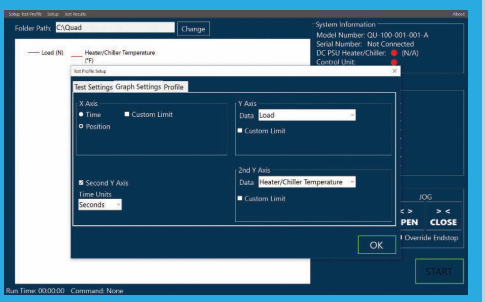
The Swift Tensile Stages can be enhanced with heaters and chillers. Heaters and chillers are available for both the flat and EBSD positions. Samples can be heated up to 600°C in air and 1000°C in vacuum. Chilling can reach to 100°C below ambient.

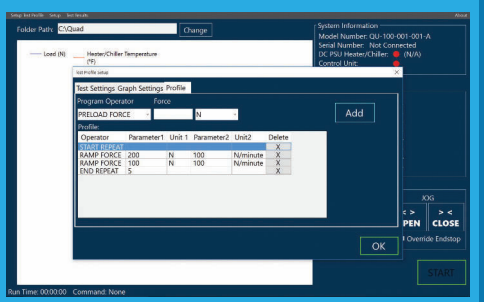
Swift Controller Software

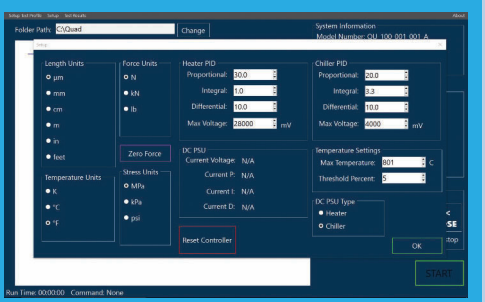


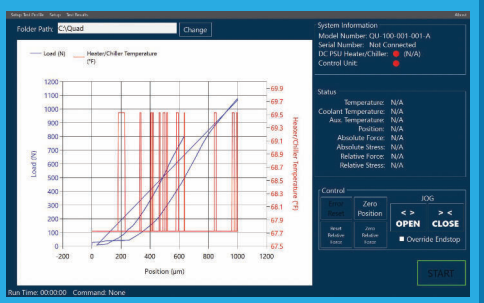


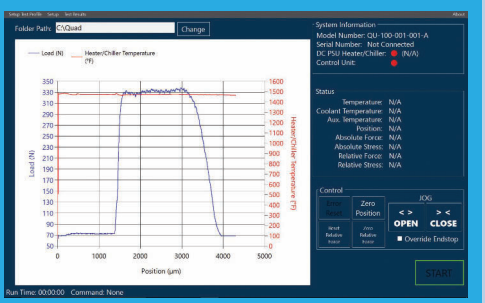


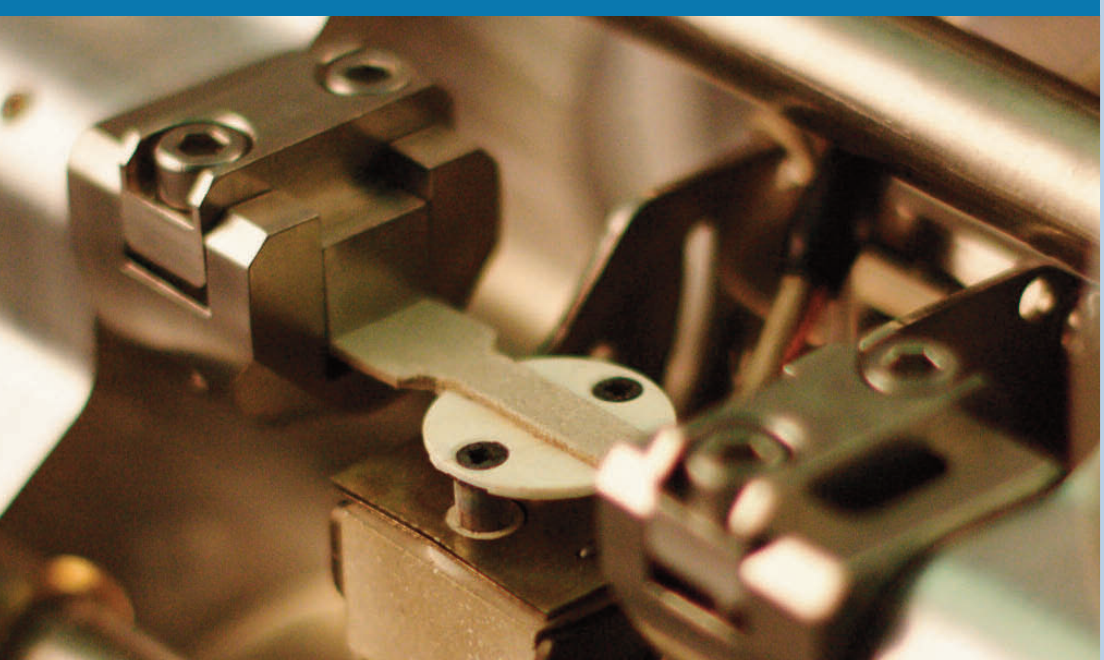












Swift Instruments
SWF 5000 and SWF L5000
Tensile Stages

Specifications

The SWF 5000 and SWF L5000 have the following base specifications:

Maximum Force of 200N, 5kN and 10kN

Tensile and Compression Testing

3 and 4 point anvils for bend tests available

Fits samples sizes 54-68mm long, up to 9mm wide and 5mm thick. If a heater or chiller is used then sample size is dependent on stage type.

Swift Instrument Tensile Stages can be fully customized to meet your needs. The Swift Instruments team can offer a custom-designed service to suit even the most demanding vacuum chamber configurations.

Ordering Information*

Description	Qty.
SWF 5000 Tensile Stage	each
SWF L5000 Tensile Stage	each

* Please contact us to discuss your particular requirements

Electron Microscopy Sciences

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