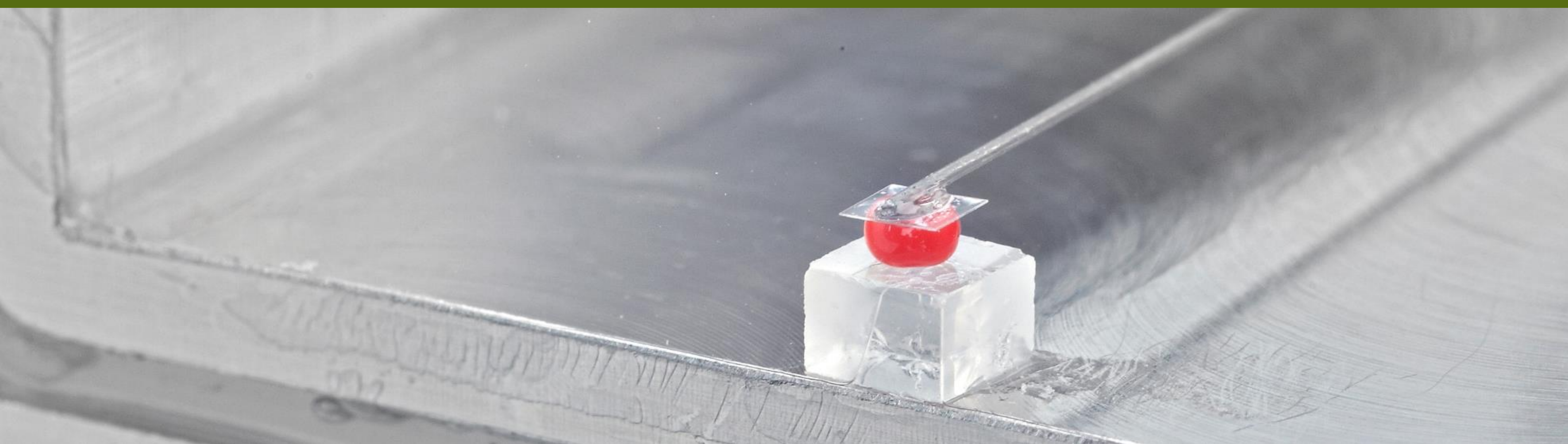


MicroSquisher

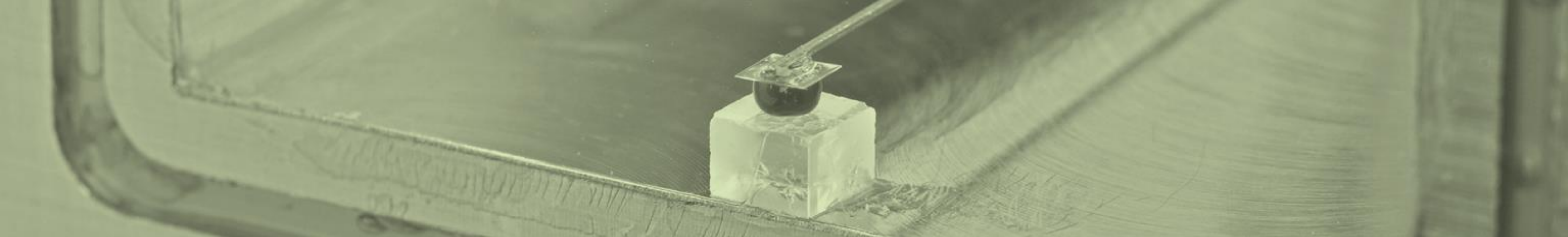


The MicroSquisher is a micro-scale tension-compression test system. It can be used to determine the stress-strain properties of a variety of materials including tissue samples, cell aggregates, hydrogels, and tissue engineering scaffold materials.

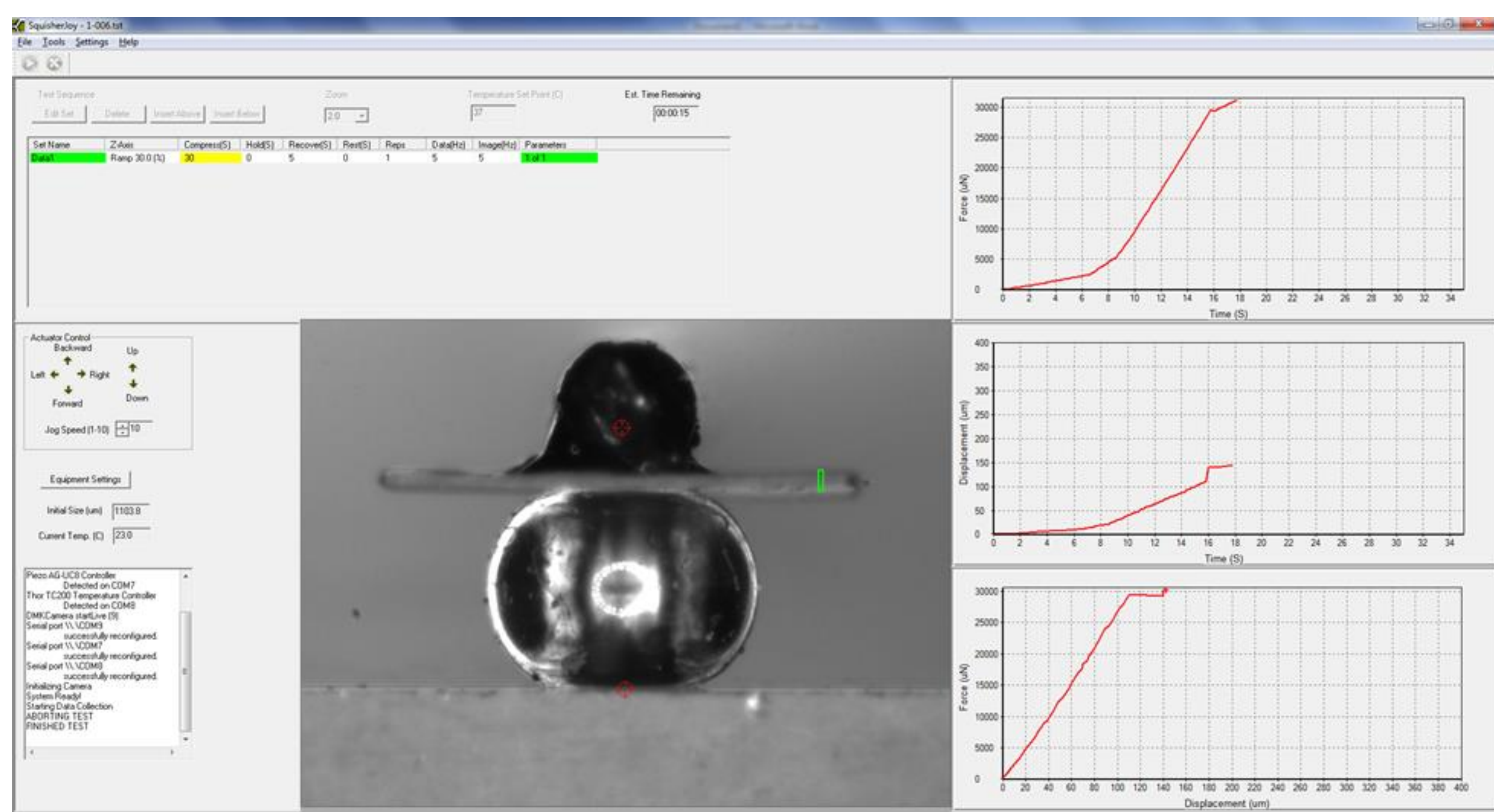
By detecting small changes in a force sensing micro-wire, the system can measure forces and displacements that are much smaller than a conventional mechanical test system. The system incorporates a temperature-controlled fluid bath for maintaining ideal specimen conditions and also a high-quality optics system to provide user feedback.

Force Resolution down to 10nN and spatial resolution down to 0.1 μ m are possible with this specialized system. The control software can support both force-controlled and displacement-controlled user protocols.

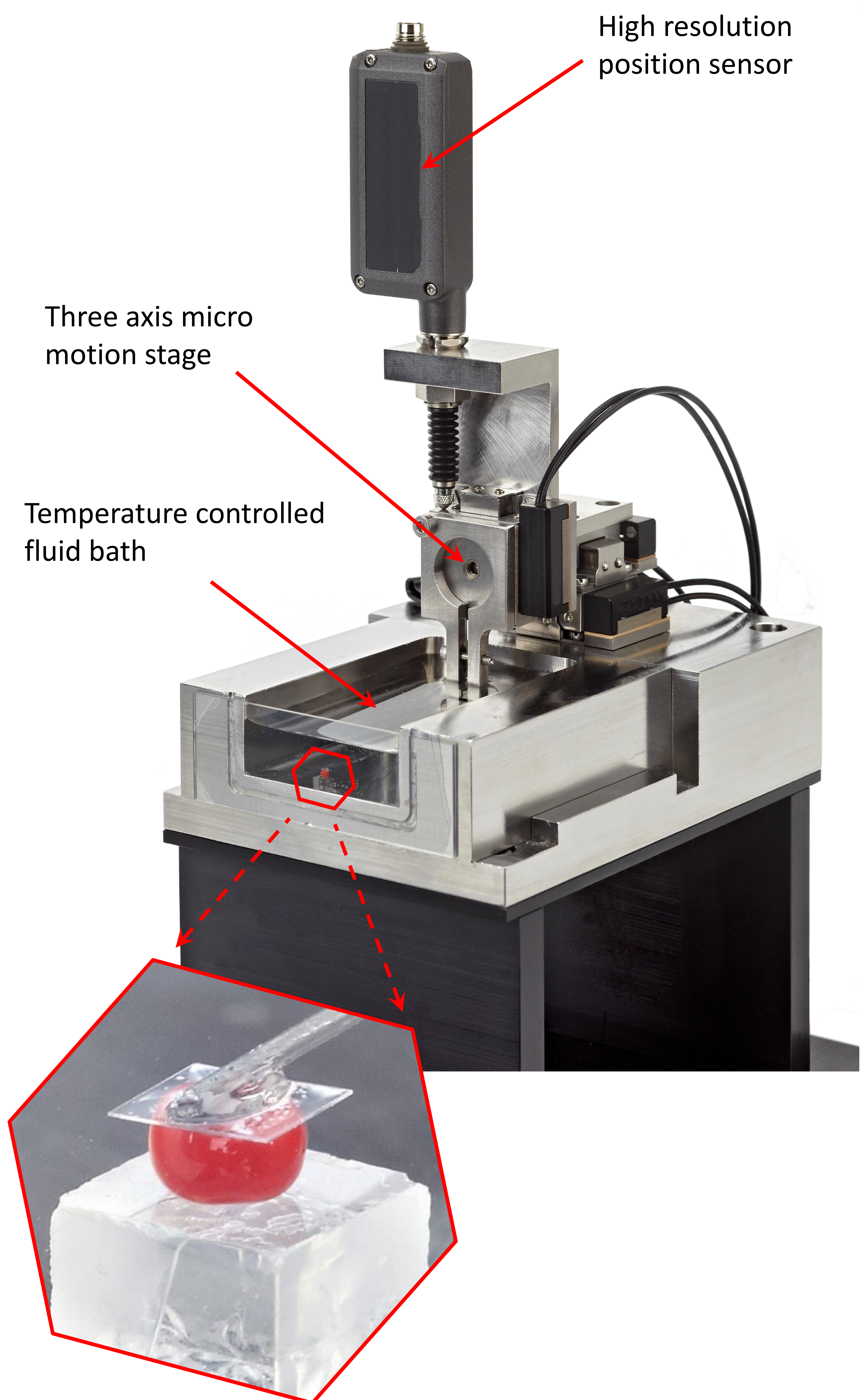
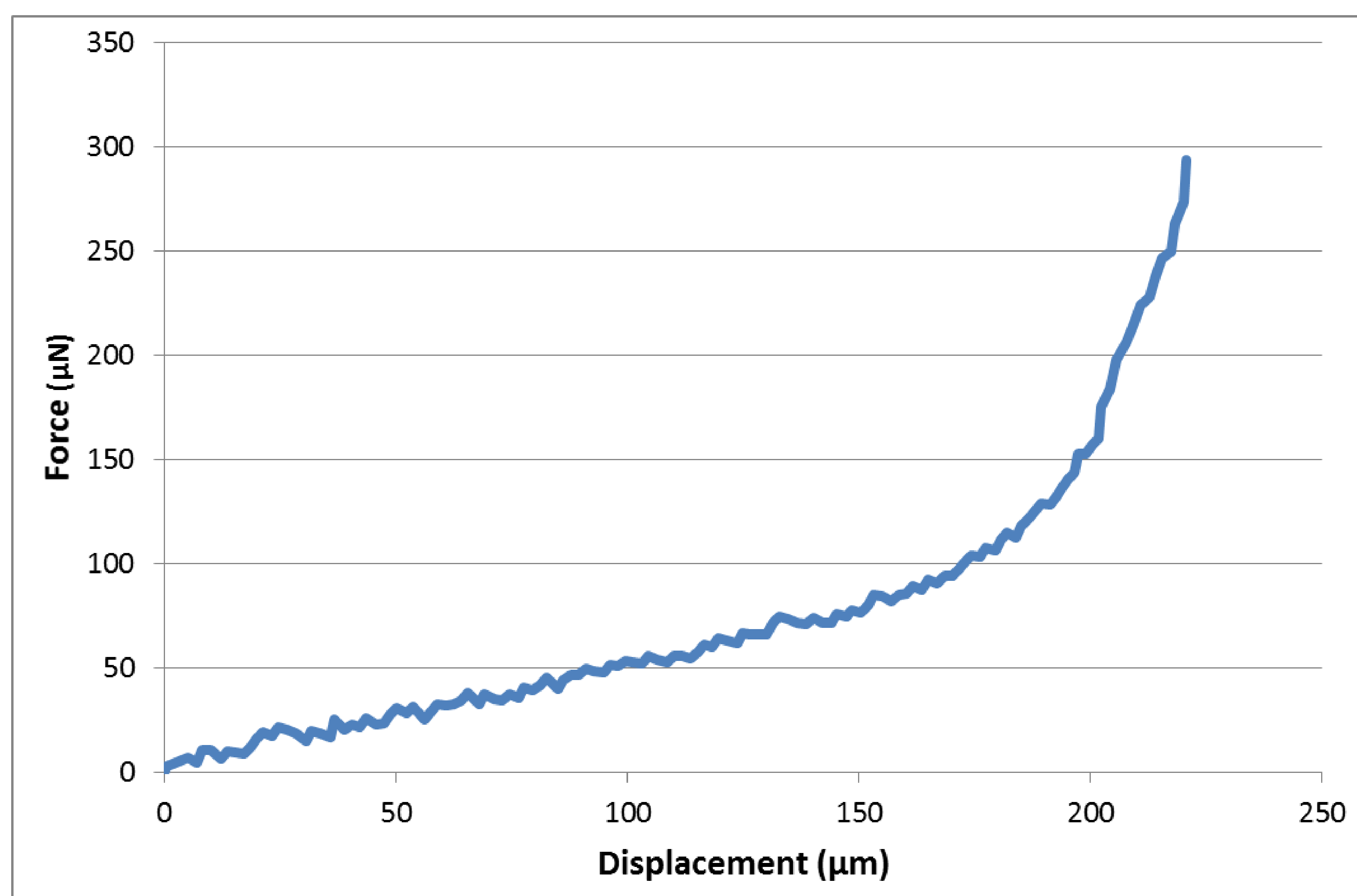




The **MicroSquisher** compresses the specimen between 2 parallel plates as prescribed in the user test protocol. The system outputs force and displacement data as well as time-correlated images of the test.



Configurable test software with live images and data



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