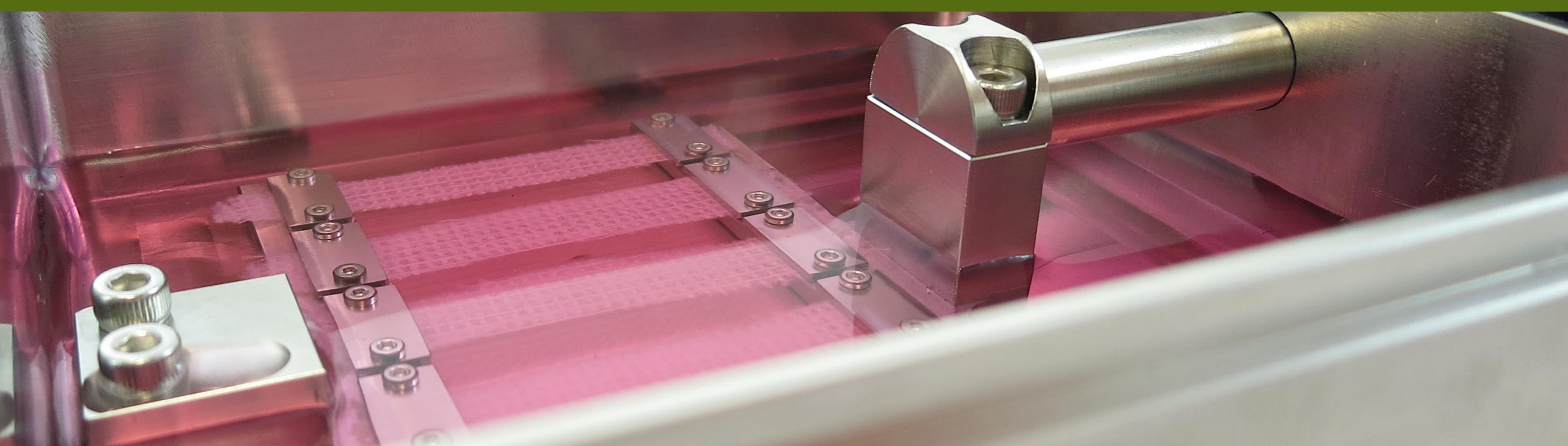


MechanoCulture T6

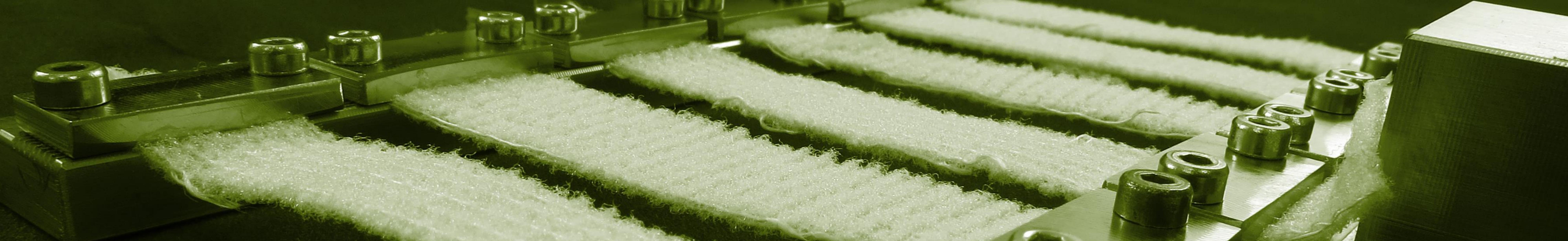


The MechanoCulture product group allows researchers to culture cells in a mechanically active environment. Configurations of these culture systems support single or parallel tests using a variety of flexible substrates and scaffolds. On-board controllers enable PC-independent execution of user-defined motion protocols.

All MechanoCulture systems can be operated in an incubator environment. All cell-contacting components are made from autoclavable materials.

The MechanoCulture T6 can uniaxially stretch up to 6 clamp-mounted specimens from 5 to 80mm in length. Designed for stimulation in tendon, ligament, and bone tissue engineering work, it can deliver up to 200N of thrust. For cardiovascular research, the system can stimulate at up to 2Hz.

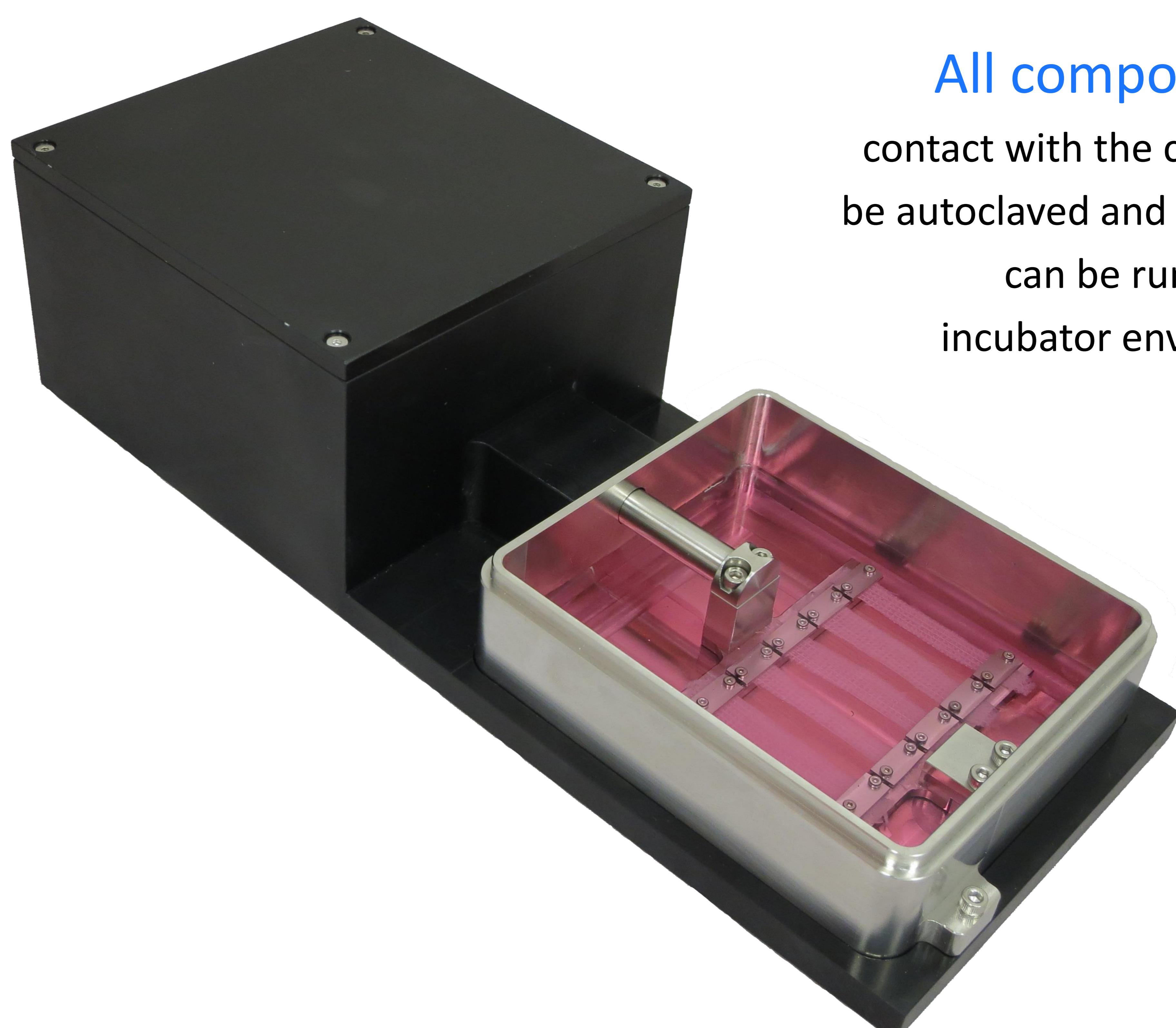
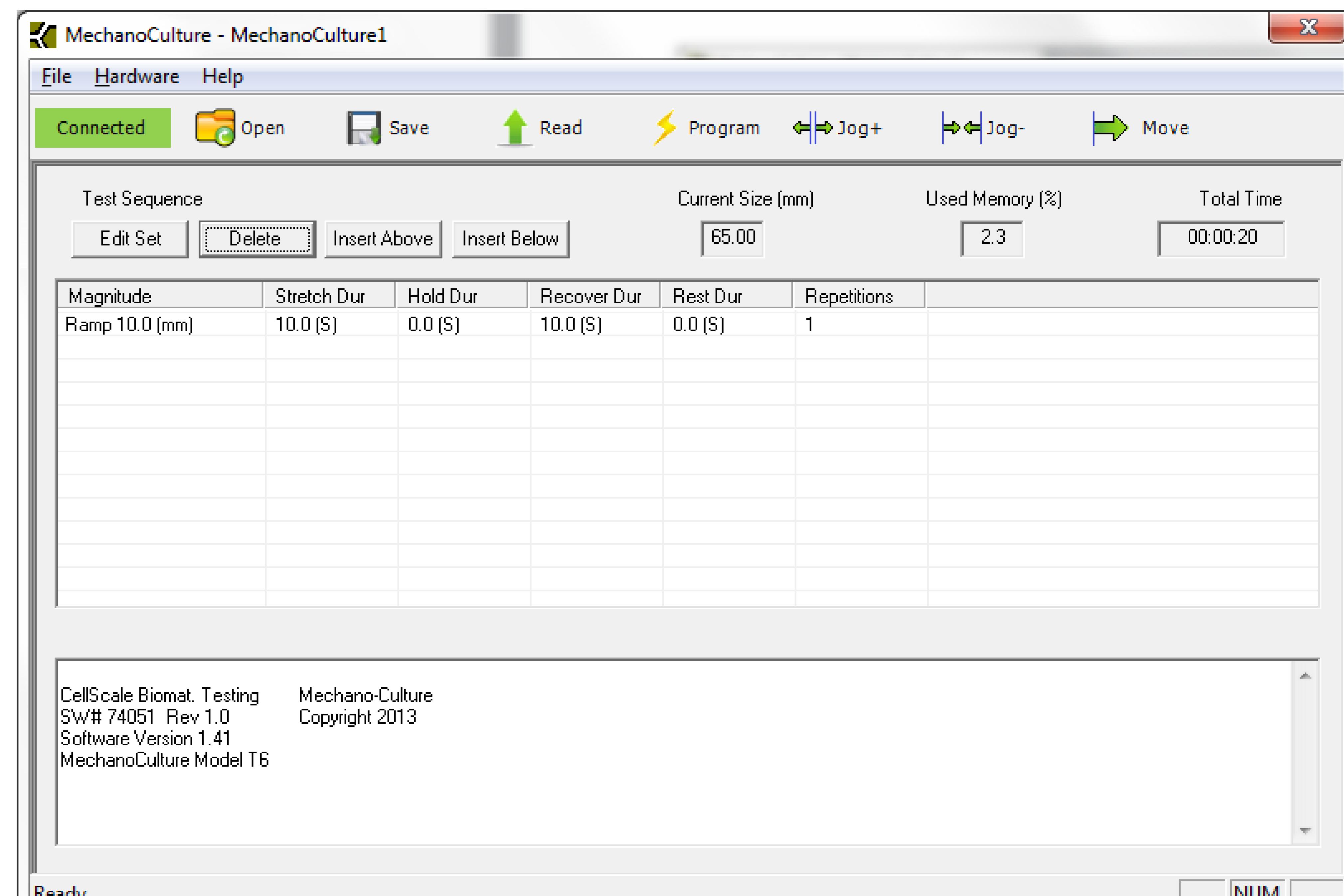




The MechanoCulture T6 can be programmed to run constant velocity or sinusoidal stretch patterns. Magnitudes, frequencies, rest periods, and cycle counts can all be specified in the software application and programmed to the device.



Stainless steel grips secure the specimens at each end. The spacing and geometry of these grips can be customized to suit a variety of specimen sizes and materials



All components in contact with the culture can be autoclaved and the device can be run inside an incubator environment.



CellScale Biomaterials Testing is the industry leader for precision biomaterial and mechanobiology test systems. Our products are being used at world-class academic and commercial organizations in over 30 countries around the globe.

Our **mechanical test systems** allow researchers to characterize the mechanical properties of biomaterials. Our **mechanobiology technologies** provide insights into the response of cells to mechanical stimulation.

CellScale's technologies are improving human health by helping researchers discover the causes of disease, improve medical treatments and devices, and advance regenerative medicine and other basic science research.

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