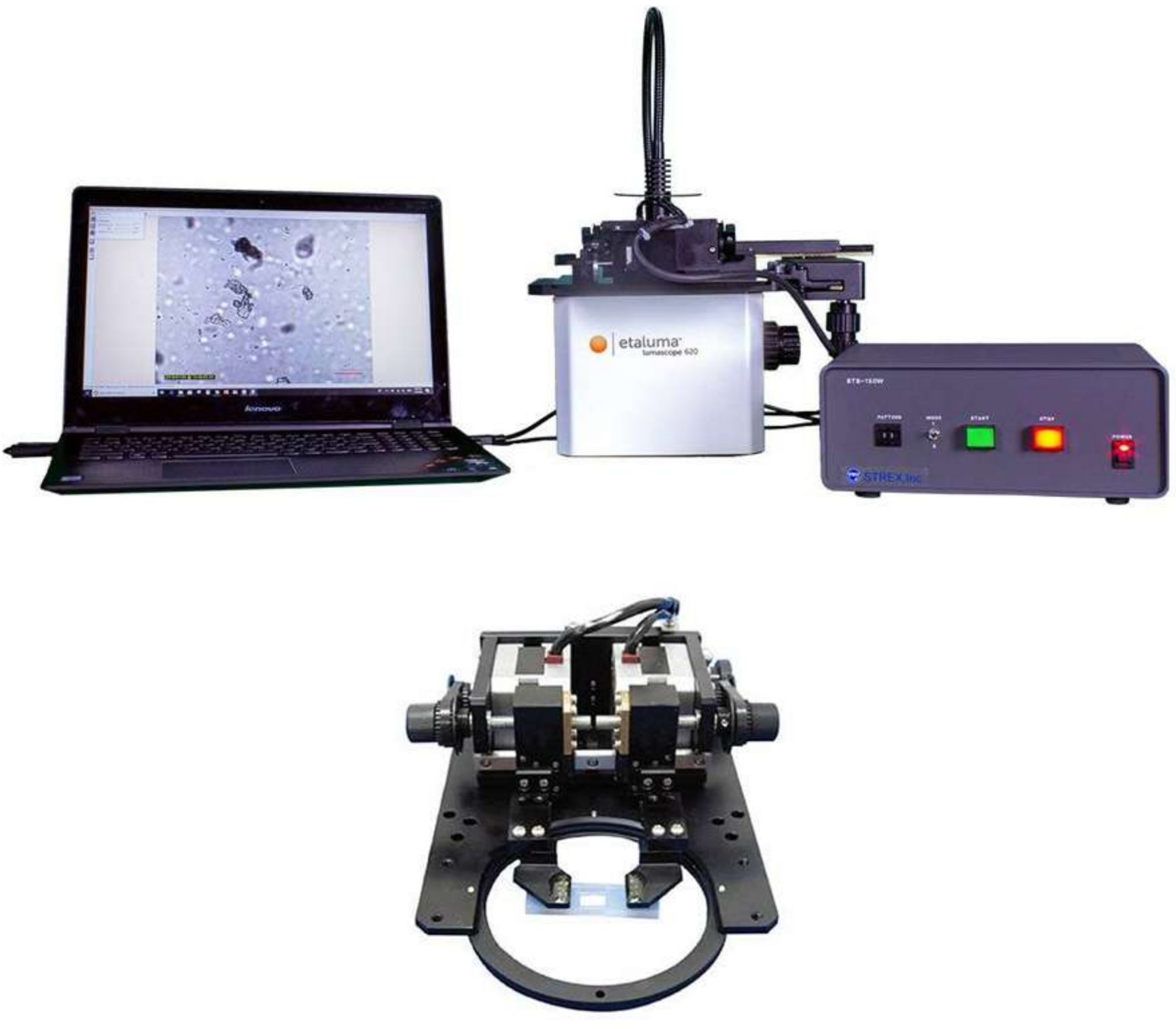


UNIAXIAL CELL STRETCHING SYSTEM



Product Description

The uniaxial stretchers allow cells to be stretched in one direction while experiencing compression in the perpendicular direction.



Features

- 01 Capable of stretching cells in culture; functions by employing a stress load to cells growing in-vitro, provided that the microscope set up is compatible.
- 02 Simultaneously stretches cells in a single chamber, in one direction while allowing for imaging before and after stretch. Real-time imaging is possible at 10x magnification.
- 03 64 available pre-programmed stretch patterns save researchers time and make it incredibly easy to get experiments started.
- 04 The system's mechanical stretching unit operates inside an incubator atop a microscope, while the control unit and video output are placed outside.
- 05 Stretches from both sides of the chamber to enable cells to remain inside the viewing area at 10x magnification in real-time.
- 06 To capture an image at maximum resolution (up to 40x), the motor must be turned off briefly.

Application Areas

- 1 Ion Mobilization
- 2 Calcium Influx
- 3 Nitric Oxide Production Studies