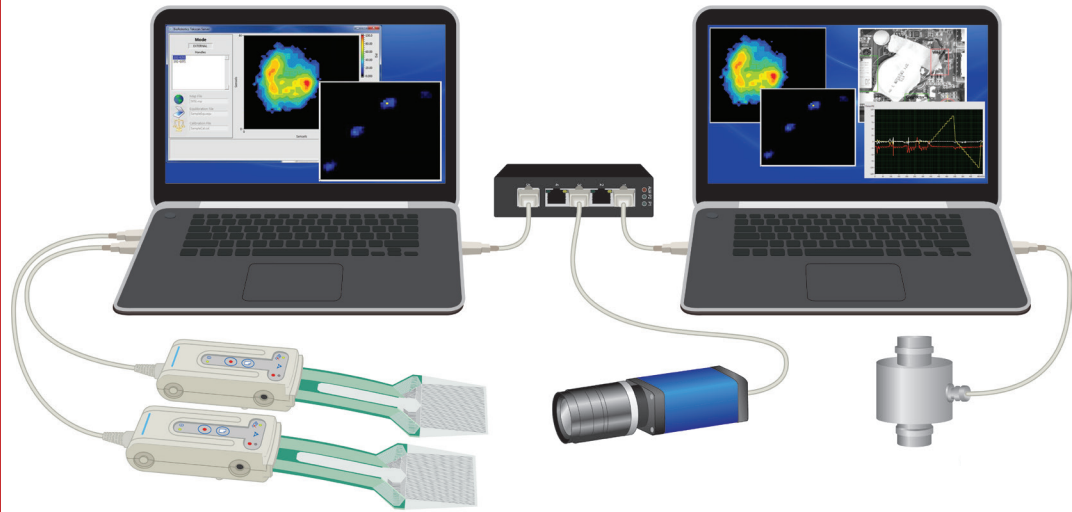


Real-time  
data

Real-time  
control



Unlock the power to read, understand, and achieve more powerful data acquisition and control in real-time using Tekscan sensors. The simVITRO team from the BioRobotics Lab at Cleveland Clinic has developed a package of drivers to complement Tekscan software. It includes an adaptable API to be used in a LabVIEW palette to synchronize, control, and stream calculations across the network. The package also includes an intuitive out-of-the-box solution for configuring, customizing, and acquiring data. These drivers allow you to optimize your data acquisition and control, choose and capture the data you need, and sync the stream of data to a client machine, all in real-time.

### ***Optimize.***

No programming ability is needed to use these drivers. The package also allows users to easily store and recall settings and parameters from previous experiments in configuration files. If further optimization is needed, users will have the necessary tools to leverage the LabVIEW programming language's flexibility.

### ***Customize.***

The drivers open the door to real-time control of third party hardware based off calculated channels configured for any connected Tekscan sensor. Calculated channels include center of pressure, torque about a line, total force, and others. A plug-in style architecture allows users to easily add additional calculated channels in order to calculate custom parameters from sensor output in real-time.

### ***Extend.***

This software allows easy synchronization of calculated data, sensel data, and third party data. It is based on a CPU efficient distributed architecture where data can be acquired and streamed over a network. The drivers can capture data from up to 8 evolution handles and stream real-time calculations from one server computer to another client computer if desired.