



**XpanD Liquid Crystal Display Glasses  
 Torsional and Bending Testing**

VGO, in partnership with Full Circle Development, designed testing programs to characterize the torsional and bending performance of XpanD brand 3D glasses.

Of particular interest were establishing torsional and bending limits, in terms of loads and deflections, to protect the delicate LCD panels.

Test fixtures, instrumentation, and data acquisition systems were designed to allow for suitable loading configurations and appropriate data acquisition rates.

Various designs were tested in order to improve product performance and calibrate FEA models to allow for future design iterations.

