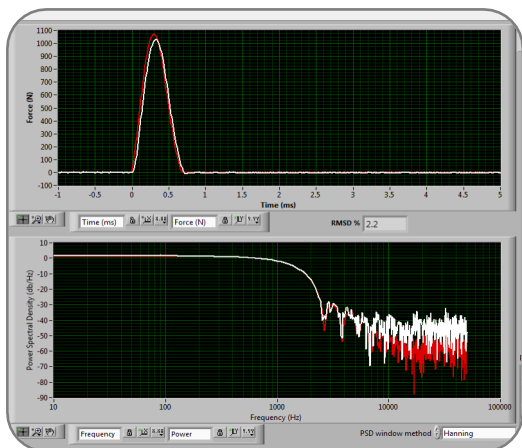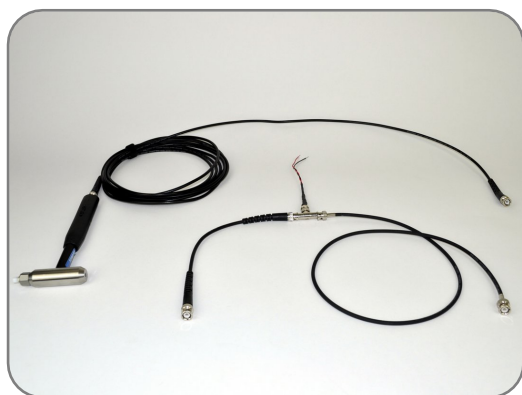# Ballistic Load Sensing Headform – Force Verification System

Force verification of individual load cells in the Ballistic Load Sensing Headform

- An impedance hammer is used to coaxially impact the centre of each load cell on any of the BLSH headforms to assess whether the system is operating within acceptable operating parameters.

- The comparison of the two data traces can identify problems with calibration settings being improperly entered, incorrect amplifier settings, damaged equipment or an out-of-specification or damaged load cell.

- Connects with existing amplifiers, data acquisition system and BLSH software.

- Software measures and compares the output from impedance hammer and load cell being evaluated. The root mean square deviation for each impact is calculated and reported as is the power spectral density of the two signals.

- Upon completion of testing, a MS Exce™ document is produced outlining all the relevant data.

Specifications

Sensor:	Impedance Hammer, uniaxial, piezo-electric 22 kN max. each, <30 kHz	Software:	Biokinetics' BLSH Software
			Peak Force, RMSD and power spectral density
		Part Number:	BLSHFV-001

Warranty

All components:	1 year limited

(All specifications are subject to change)

Biokinetics