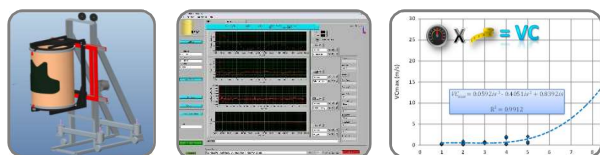


Blunt Trauma Torso Rig

DYNAMIC CHEST WALL DEFLECTION MEASUREMENT FOR BLUNT TRAUMA ASSESSMENT



- Clay backing alternative for backface signature evaluation.
- Soft armor and riot gear testing
- Less-lethal ammunition safety evaluation
- Deformable torso membrane replicates human chest stiffness
- High-speed non-contact laser transducer and software for measure of chest wall Compression, Velocity, Acceleration, Impulse and VC
- Includes computer, data acquisition system, BTTR Software and integrated system verification pendulum
- Support frame for membrane translation and rotation. Optional clay block support for perforation assessment of armor
- 40% test time reduction in comparison with conventional clay-based methods



Specifications

Sensor Type:	Non-contact laser displacement transducer	Data Collection:	1 channel, 48 kS/s/ch, ±10 V input, 14 bit
Range:	200 mm	Computer, Interface:	Laptop, Windows 7+, USB 2.0
Bandwidth:	< 30 kHz	Pendulum:	100 mm dia., 2.2 kg
Software:	Biokinetics' BTTR Software. Outputs: Compression, Velocity, VC, Accel, Impulse, Duration, Rate and Peaks. Exports data to MS Excel®.	Part Number:	BTTR-002

Physical and Electrical

Torso Membrane:	Dia. 511 x H 762 mm	Electrical	120 VAC @ 60 Hz / 240 VAC @ 50 Hz 70 W max.
System:	W 915 x D 1640 x H 1885 mm, 375 kg		

Warranty

All components:	1 year limited
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(All specifications are subject to change)