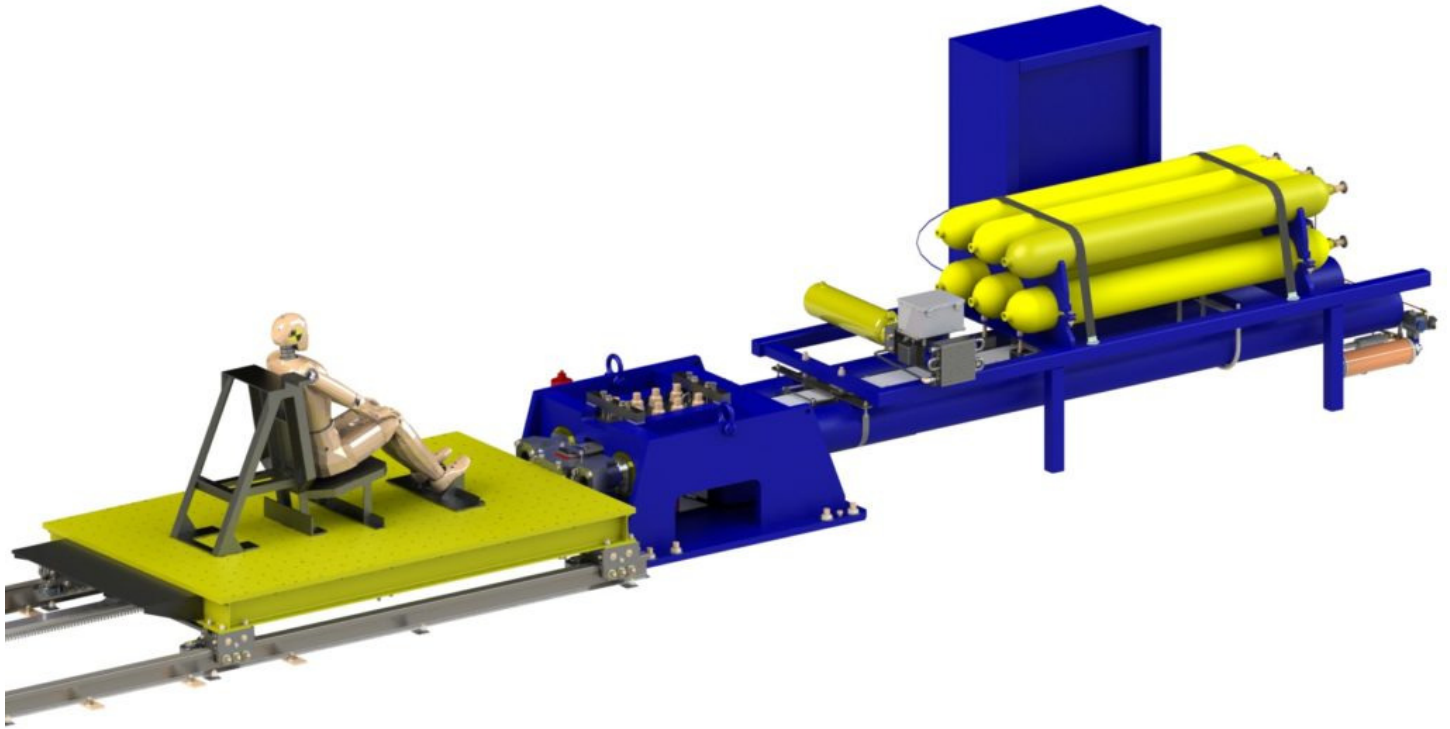


ServoSled 1000

Cost-Effective solution for component-level testing

The ServoSled 1000 performs seat, child seat, seatbelt, and battery regulatory pulses as well as more complex frontal vehicle pulses. Built on the proven ServoSled technologies being used in more than 50 safety labs worldwide, the ServoSled 1000 can provide reliable, repeatable compliance test performance.



Fast installation with minimal civil work – with simple concrete modifications, ServoSled 1000 can be installed within existing buildings, speeding construction and reducing cost

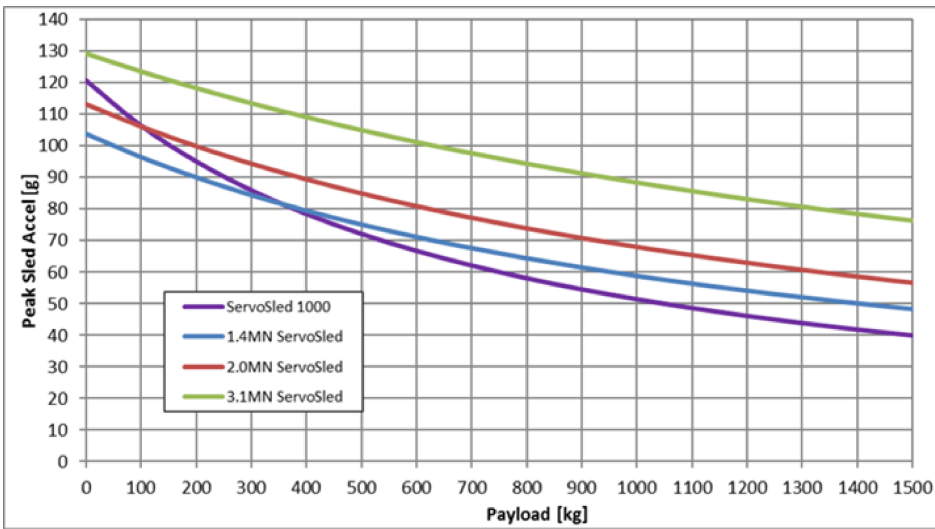
Lower operating costs, more complex pulses than a decelerator –uses no wires, reducing the cost per test, and can perform much more complex pulses than a decelerator to meet a wide variety of testing

Performs all standard component tests and complex vehicle pulses –performs all the regulatory pulses plus vehicle pulses with high frequency, closed-loop pulse controls to further validate seat and restraint systems

ServoSled 1000 provides the reliable, repeatable component-level compliance test performance of the industry-leading ServoSled system at a fraction of the cost, complexity, and lead/installation time.

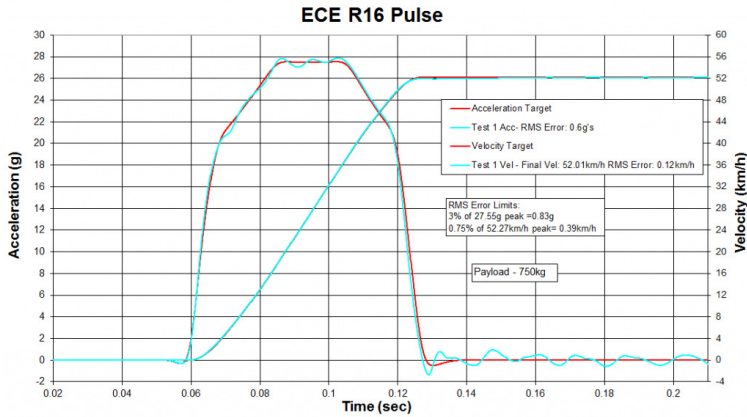
Primary Features

- System length is configurable to meet specific post test braking requirements or adapt to short work spaces
- Adaptive, closed-loop, post testing braking
- User-friendly control system
- ServoBrake layout and actuator layout minimize sled weight and maximize payload
- Simple reaction block design



First shot accuracy

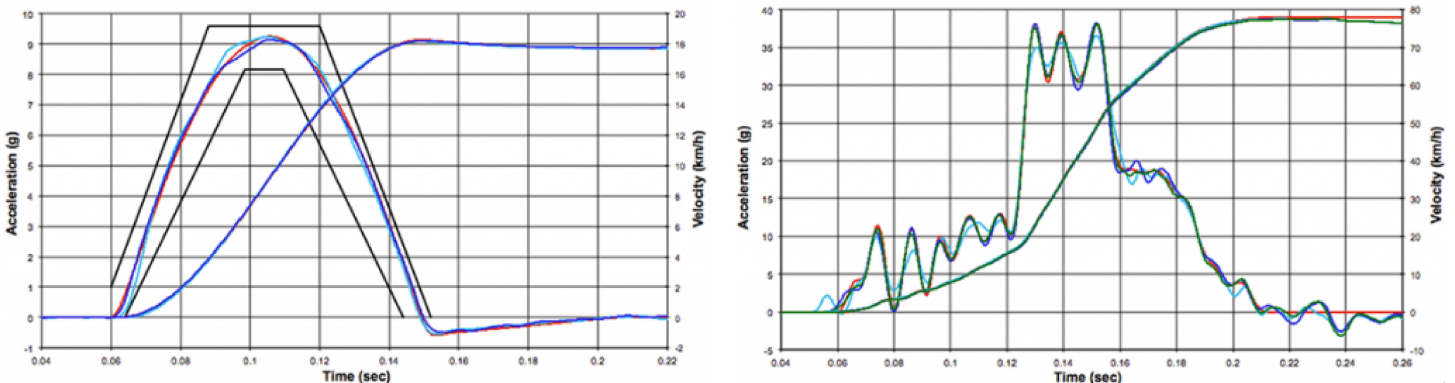
ServoSled 1000 can achieve most regulatory pulses within corridors without tuning. The Seattle Safety proprietary control system, already at use in over 50 leading safety labs, is optimized for first shot performance.



Example pulse illustrating ServoSled 1000 capabilities. Actual performance may vary.

More complex pulses, better repeatability than a decelerator

Unlike a decelerator, ServoSled 1000 delivers repeatable setup with standstill test initiation—preventing dummy movement prior to the test pulse. The ability to perform much more complex pulses allows ServoSled 1000 to meet a wide variety of testing needs well into the future.



The ServoSled 1000 performs consistent regulatory pulses (left graph) and also provides more complex pulses (right graph) for a much wider variety of testing needs.

Example pulse illustrating ServoSled 1000 capabilities. Actual performance may vary.

Perform all standard component tests and complex vehicle pulses

ServoSled 1000 not only provides excellent accuracy and repeatability for all pulses required for component-level conformance testing, but also can perform actual vehicle pulses with high-frequency, closed-loop pulse controls to further validate seat and restraint systems.

The sled's track length is customization to meet specific speed and g-force requirements.

ServoSled 1000 Specifications

	Decelerator	ServoSled 1000	ServoSled
Nominal Force	0.4-1.0 MN	1.0 MN	1.4-3.1 MN
Maximum Velocity	105 kph	80 kph	90 kph
Maximum Payload	1000-4000 kg	1500 kg	2500-4000 kg
Available Stroke	1.8 m	1.6 m	2.0 m

Tests Performed— Compliance Tests	
Frontal*	
Offset*	
Body in White*	
Seats	ECE R17
	ECE R80
	FAA
Child Seats	ECE R44
	FMVSS213
Seat Belts	FMVSS208
	ECE R16
Battery	ECE R100
Rear Impact	FMVSS202a
	EuroNCAP Whiplash
	IIHS-IWPG