

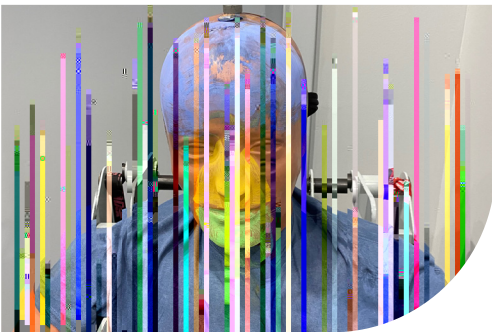
ABOUT US

The Crash Dynamics Lab is a premier dynamic testing facility for the nation's aircraft and aircraft component manufacturers and provides reseatable HII 50th Percentile ATDs



HYDROPULS® CSA ADVANCED CRASH SIMULATOR

Performance Data	Frontal Sled (1-piece design)
Basic System CSAadvanced	Dimensions: 1.8 m x 4.1 m Weight: 920 kg
Peak Accel with 500 kg on top of sled	90 g
Peak Accel with 1000 kg on top of sled	80 g
Peak Accel with 1500 kg on top of sled	75 g
Peak Accel with 2000 kg on top of sled	60 g
Peak Accel with 3000 kg on top of sled	49 g
Maximum Velocity	90 km/h up to 1500 kg on top of sled
Max Accel Gradient (Jerk)	14 g/ms (up to 20 g/ms under certain conditions)
Frequency Response	150 Hz
Reproduction Accuracy - Acceleration (predicted to achieved)	



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- 4 HIII FAA 50th Percentile ATDs
- 2 HIII 50th Percentile ATDs
- 1 HIII 95th Percentile ATD
- 1 HIII 5th Percentile ATD
- 3 ES-2 re Side Impact ATDs
- 1 DOT SID Side Impact ATD
- 3-yr-old child ATD
- 6-yr-old child ATD
- 12-month-old child ATD