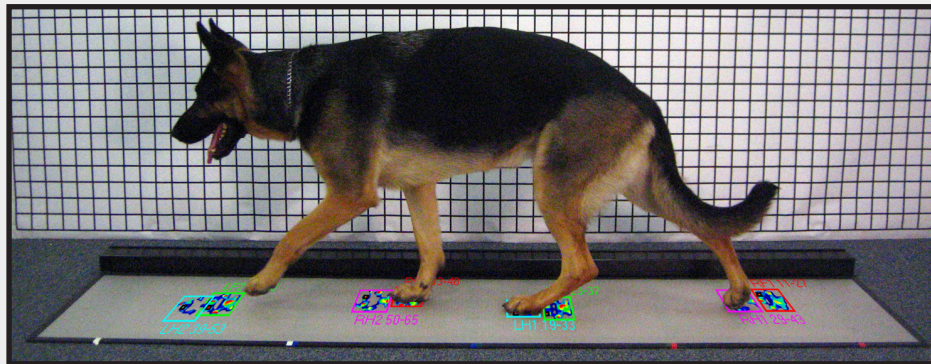


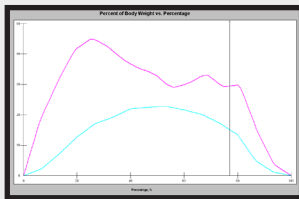
Multi-step analysis for animals

Quickly and easily get all of the data you need to accurately assess lameness and evaluate treatments.



Sample pressure profiles and limb ID were placed on image for illustration purposes only.

Compare load patterns for right and left limbs.



Capture multiple foot strikes in one pass for faster analysis.



In this example, although time and distance indices are similar, significant differences in % weight bearing validates and quantifies the lameness in this dog's left hind leg. These values (with 50% differences and more) are highlighted in the red boxes below.

Quadruped Stance-Stride Table	HendS09.fsx			
	P12427364800 Dog			
	LF	LH	RF	RH
Stance Time (sec)	0.48	0.47	0.52	0.48
Swing Time (sec)	0.20	0.20	0.20	0.23
Stride Time (sec)	0.67	0.67	0.73	0.70
Stride Length (cm)	66.5	67.6	67.1	67.6
Stride Velocity (cm/sec)	99.8	101.3	91.4	96.4
Stride Acceleration 1-2 (cm/sec ²)	n/a	n/a	n/a	n/a
Maximum Force (%BW)	65.4	22.7	71.4	45.1
Maximum Force (N)	226.78	78.82	247.75	156.63
Impulse (%BW*sec)	20.8	6.8	24.4	14.6
Impulse (N*sec)	72.10	23.59	84.82	50.81
Maximum Peak Pressure (N/cm ²)	24.78	22.12	33.69	33.21

Walkway is the only system that gives you:

1) Gait time and distance parameters

AND

2) Vertical force as a % of body weight (weight bearing)

Quadruped Symmetry Table (ratio)		HendS09.fsx
		P12427364800 Dog
Stance Time Front / Hind	1.05	
Stride Time Front / Hind	1.02	
Stride Length Front / Hind	0.99	
Stride Velocity Front / Hind	0.97	
Max Force Front / Hind	2.02	
Stance Time Left / Right	0.95	
Stride Time Left / Right	0.93	
Stride Length Left / Right	1.00	
Stride Velocity Left / Right	1.07	
Max Force Left / Right	0.76	
Stance Time Left Front / Right Front	0.94	
Stride Time Left Front / Right Front	0.91	
Stride Length Left Front / Right Front	0.99	
Stride Velocity Left Front / Right Front	1.09	
Max Force Left Front / Right Front	0.92	
Stance Time Left Hind / Right Hind	0.97	
Stride Time Left Hind / Right Hind	0.95	
Stride Length Left Hind / Right Hind	1.00	
Stride Velocity Left Hind / Right Hind	1.05	
Max Force Left Hind / Right Hind	0.50	

Note: 1 is ideal

Accurately assess lameness, monitor improvement and evaluate treatments with the Walkway multi-step analysis system.

Contact us today to learn more!

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