

Walkway™

Gait Analysis System



Accurate, Timing and Distance Measurements

The Walkway gait analysis system provides objective information on force and plantar pressure, plus temporal (time) and spatial (distance) parameters at the click of a button. Walkway is...

Fast and easy to use – capture multiple footsteps in a single pass with minimal setup required

Research validated and peer accepted – used by leading universities and hospitals around the world for research and patient care

Best-in-class for profiling anatomical landmarks – provides detailed information on plantar pressure and foot function in addition to temporospatial parameters and weight bearing

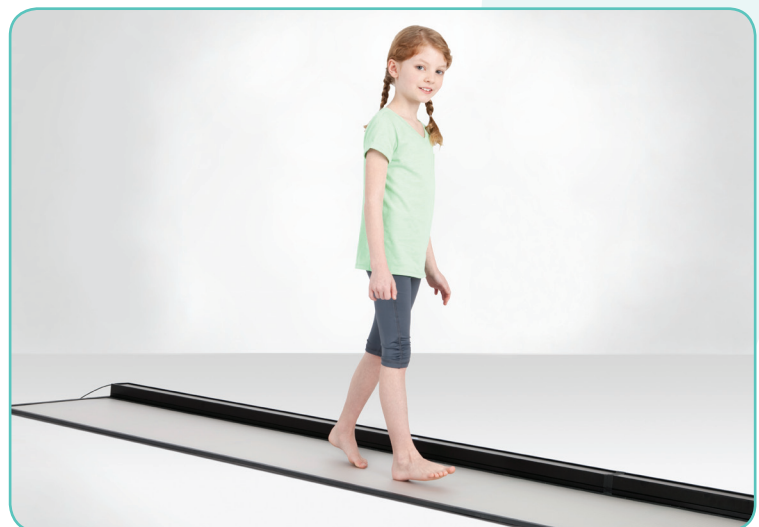
Versatile – integrates with other gait lab technology, such as EMG and 3D motion capture systems

High Resolution Walkway for Pediatric Analysis

Tekscan's High Resolution Walkway offers the highest spatial resolution available for more accurate profiling anatomical locations on the plantar surface. The Walkway gives you an accurate, objective way to assess foot function and gait, as well as track progress and improvement over time.

Low-profile – thinnest walkway on the market reduces risk of tripping and minimizes gait changes

Higher resolution – highest resolution available for more in-depth foot function analysis in children

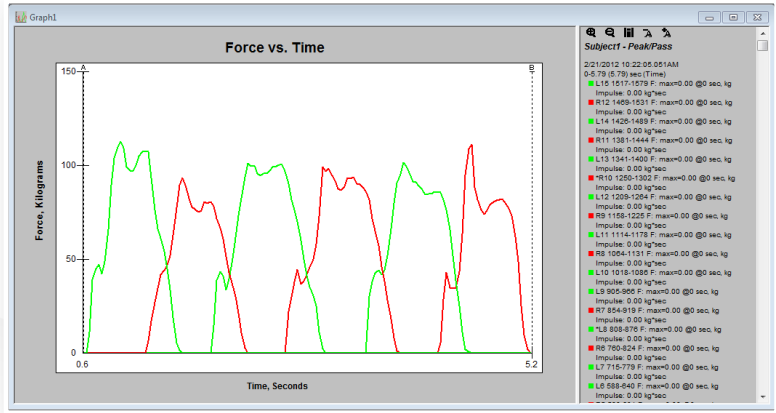


Walkway Gait Analysis Software

Walkway software provides actionable information to conduct a thorough gait analysis in seconds. Information is displayed in a variety of ways including graphs, pressure profile visuals, tables and charts to easily identify asymmetries, abnormalities and determine treatment effectiveness.

Gait Curve Display

View (Force vs. Time) curves to compare load patterns between right and left feet. Additional parameters, including peak pressure, maximum force, Impulse (force over time), and Integral (pressure over time) are available for display.

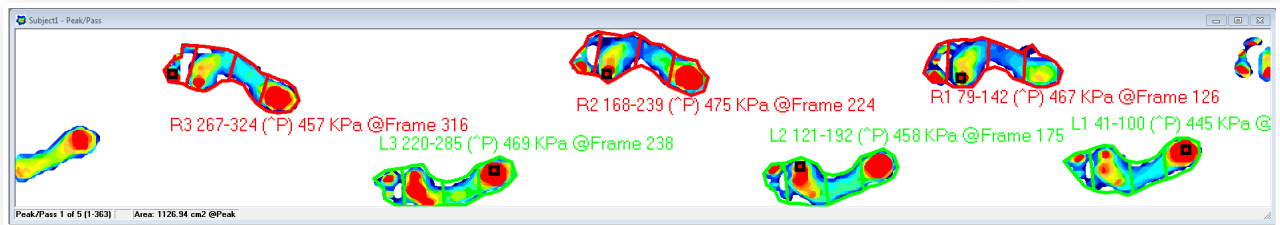


Automatic Calculation of Gait Parameters & Display in Tables

One click of the mouse generates tables that provide a clear visual display of gait parameters. These tables are also helpful for report generation and printing.

Gait Cycle Table (sec)	Subject1		
	Left	Right	R-L Diff
Gait Cycle Time	1.48	1.48	0.00
Stance Time	1.00	1.02	0.02
Swing Time	0.48	0.46	-0.02
Single Support Time	0.43	0.45	0.02
Initial Double Support Time	0.26	0.32	0.06
Terminal Double Support Time	0.32	0.26	-0.06
Total Double Support Time	0.58	0.58	0.00
Heel Contact Time	0.73	0.80	0.07
Foot Flat Time	0.56	0.45	-0.11
Midstance Time	0.45	0.48	0.03
Propulsion Time	0.27	0.21	-0.05
Active Propulsion Time	0.01	0.03	0.03
Passive Propulsion Time	0.26	0.31	0.05

Step-Stride Table	Subject1		
	Left	Right	R-L Diff
Step Time (sec)	0.78	0.70	-0.09
Step Length (cm)	42.6	43.3	0.7
Step Velocity (cm/sec)	54.4	62.2	7.8
Step Length/Leg Length (ratio)	n/a	n/a	n/a
Step Width (cm)	16.2	16.6	0.4
Stride Time (sec)	1.48	1.48	0.00
Stride Length (cm)	84.8	87.6	2.8
Stride Velocity (cm/sec)	57.4	59.2	1.8
Maximum Force (%BW)	n/a	n/a	n/a
Maximum Force (kg)	102.45	95.41	-7.04
Impulse (%BW*sec)	n/a	n/a	n/a
Impulse (kg*sec)	68.91	60.98	-7.94
Maximum Peak Pressure (KPa)	450	453	3
Foot Angle (degree)	7	12	5



NEW - 3-Segment Foot Model: Automatic stance detection, labeling and segmentation for fast and thorough gait analysis.

Building a Solution to Fit Your Needs

Walkway is available in varying lengths, from approximately 1.8 to 3 meters (6 to 10 feet), so we can build a system to suit your needs. Financing options are available for all walkway systems.



CALL TODAY FOR A DEMONSTRATION!