

# Strideway™

GAIT ANALYSIS SYSTEM

**ACCURATE TIMING, DISTANCE,  
FORCE & PLANTAR PRESSURE  
MEASUREMENTS**



Strideway™ is the first truly modular pressure measurement walkway platform in the industry. The Strideway gait analysis system provides objective information on force and plantar pressure, plus temporal (time) and spatial (distance) parameters at the click of a button.



Portable platform to capture multiple footsteps in a single pass



Integrates with other gait lab technologies, such as EMG and motion capture systems



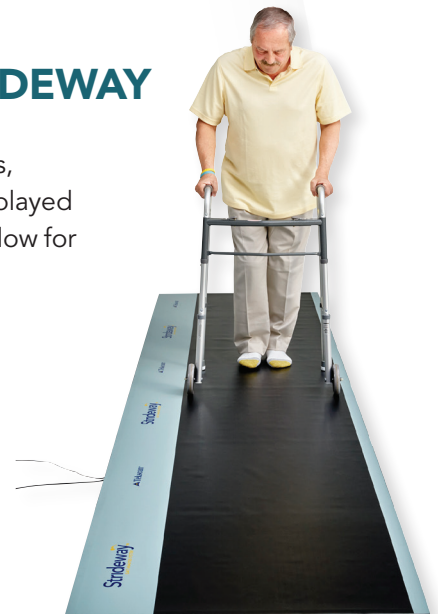
Quick set-up and data collection process



Low-profile platform reduces risk of tripping and minimizes gait changes

## **HUMAN GAIT ANALYSIS MADE EASY WITH STRIDEWAY**

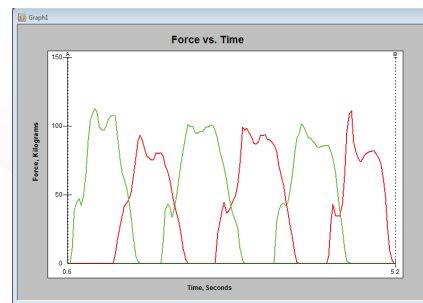
The width of the Strideway platform easily accommodates most patient populations, including those with walkers or gait dysfunctions. Actionable gait information is displayed in a variety of ways including graphs, pressure profile visuals, tables and charts to allow for rapid identification of asymmetries, abnormalities and treatment effectiveness. Track patient progress with database and comparison reports.



*Wide width accommodates walkers or patients with gait dysfunctions.*

## GAIT CURVE DISPLAY

Force vs. Time curves reveal the foot loading patterns of both the right and left feet. Additional parameters, including peak pressure, maximum force, impulse (force over time), and integral (pressure over time) are available for display.



## SIMPLIFIED DATA FOR GAIT ANALYSIS

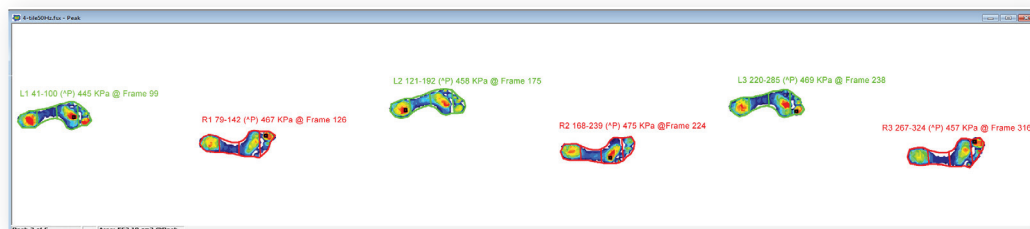
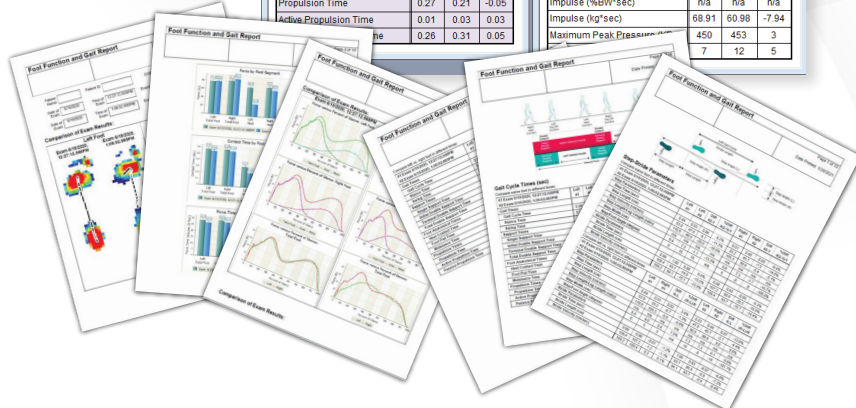
Just a couple clicks of the mouse generates tables and reports that provide a clear visual display of gait parameters. Easily track patient progress, monitor improvement and identify effectiveness of treatments.

- Automatic calculation of gait parameters include:
  - Step & gait time
  - Distance
  - Velocity
  - Cadence
- Table automatically provides a symmetry score between left and right sides

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	-0.06
Active Propulsion Time	0.01	0.03	0.03
	0.26	0.31	0.05

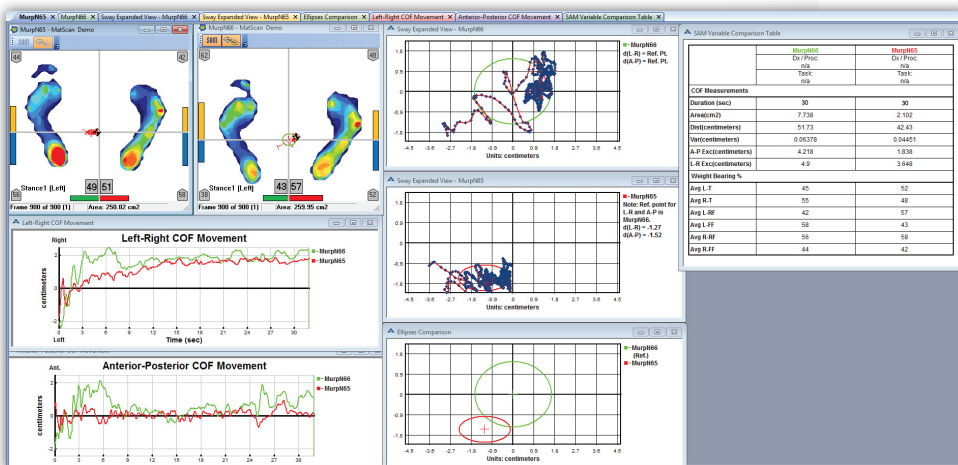
Step-Stride Table			
Subject1			
	Left	Right	R-L Diff
Step Time (sec)	0.78	0.70	-0.08
Step Length (cm)	42.6	43.3	0.7
Step Velocity (cm/sec)	54.4	62.2	7.8
Step Length/Leg Length (ratio)	n/a	n/a	n/a
Step Width (cm)	16.2	16.6	0.4
Stride Time (sec)	1.48	1.48	0.00
Stride Length (cm)	84.9	87.6	2.8
Stride Velocity (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	450	453	3
	7	12	5



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

## OPTIONAL ADD-ON: SWAY ANALYSIS MODULE (SAM)

SAM is the ideal tool to analyze sway and assess postural stability by detecting and measuring key stability parameters. These parameters include Center of Force (CoF) motion, left/right foot weight distribution, and front-to-back weight distribution.



SAM allows you to observe how the proprioceptors and sensorimotor systems function, both affecting and controlling body swaying and postural alignment while maintaining balance.

## HIGH RESOLUTION STRIDEWAY FOR PEDIATRIC ANALYSIS

Tekscan's High Resolution Strideway provides a more accurate profiling of anatomical locations on the plantar surface and in-depth analysis with foot segmentation for applications where spatial resolution is key, like evaluating children.

The Strideway gives you an accurate, objective way to assess foot function and gait, as well as track progress and improvement over time.



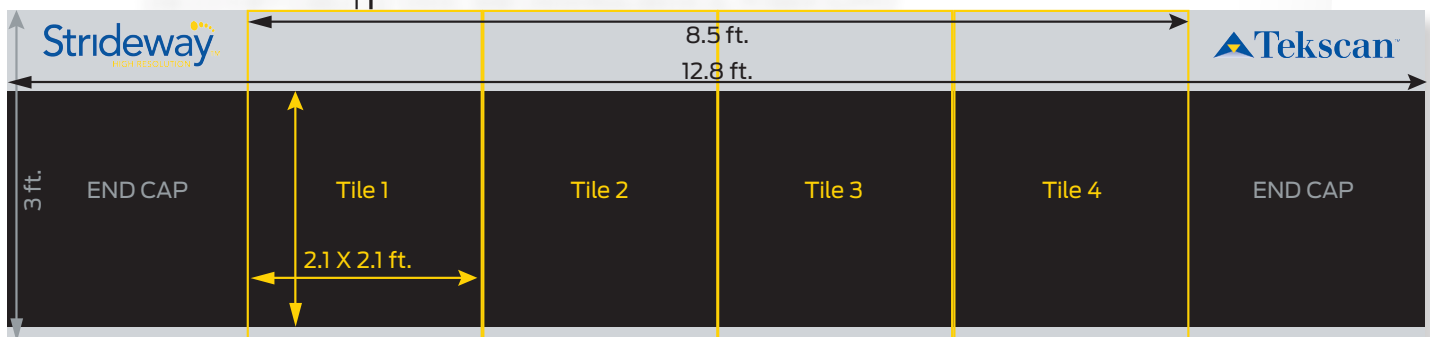
## A MODULAR SOLUTION TO FIT YOUR NEEDS



Strideway is available in varying lengths, from approximately 1-5 meters (3-15 feet), so let us help you find the best solution to meet your needs.

- Add or subtract tiles at any time for the length you require for testing.
  - Flexible tile construction means additional tiles can be purchased affordably to increase length at any time.
- 2 Resolutions available to support a broad range of applications.
- Financing options available. Talk to us to learn more.

USB 2.0 9.8FT CABLE || 12VDC 30W UNIVERSALMEDICAL POWER SUPPLY



Unique tile construction gives you flexibility to add-on length at any time!



**CONTACT US | FREE DEMONSTRATION**

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