

# F-Scan<sup>®</sup>

## In-Shoe Pressure Measurement System



### Reliable Information for More Complete Foot Function & Gait Analysis

The F-Scan system provides research validated information that can be used in real-world applications, such as designing and testing orthotics, offloading diabetic feet, and evaluating footwear and techniques in elite athletes. F-Scan is...

**Unique Information** – Only in-shoe analysis allows for the objective assessment of insoles, orthotics and footwear inside the shoe as well as the quantification of the treatment effectiveness

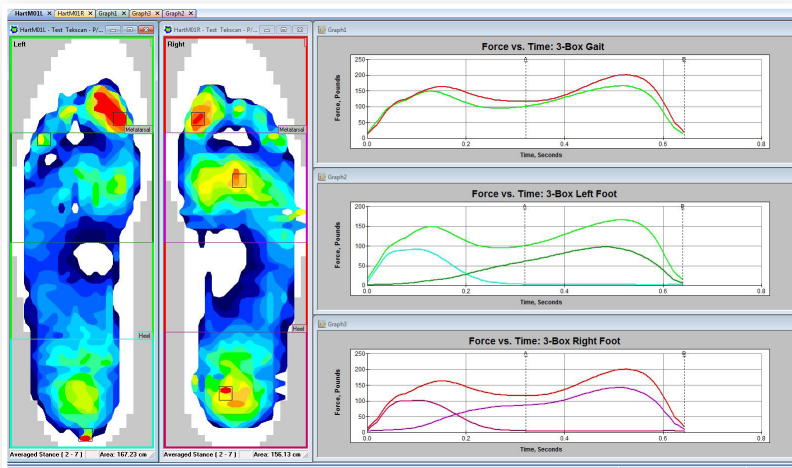
**Highly portable** – collect data in virtually any environment

**Versatile** – integrates with other gait lab technologies including EMG and motion capture systems

**Best-in-class for profiling anatomical landmarks** – Up to 9x the spatial resolution of the typical competitive solution

**Optimized for sports testing** – small, lightweight electronics, wireless and datalogger options and fast scan rates, so nothing is missed

### NEW – Automated Analyses with Reports



Compares pre- and post-recordings to evaluate treatments

Automatically calculates key parameters for assessing foot function and gait

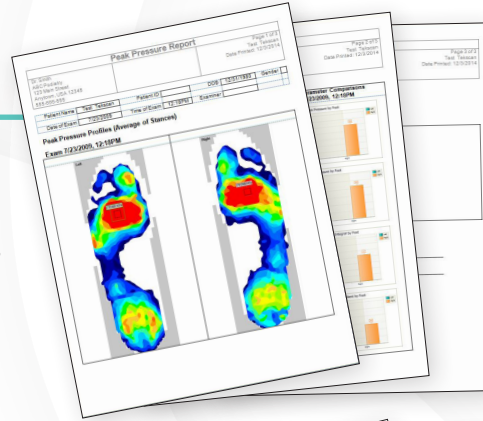
Copy data to Excel for additional analysis and documentation purposes

	HardMOI	HardMOI	HardMOI	HardMOI	HardMOI	HardMOI	HardMOI	HardMOI
Differential Value	HardMOI	HardMOI	HardMOI	HardMOI	HardMOI	HardMOI	HardMOI	HardMOI
CCP Displacement (mm)	-0.16 to 1.0	-0.2 to 0.6	-0.1 to 0.4	-0.1 to 0.4	0.5 to 1.4	0.2 to 1.3	0.3 to 0.1	0.3 to 0.9
CCP Curvature (mm)	12%	9%	3%	3%	12%	12%	-1%	4%
Tal Peak (sec)	0.15	0.13	0.02	16%	0.16	0.15	0.01	9%
Trough (sec)	0.31	0.38	0.07	12%	0.32	0.31	0.01	3%
3RD Peak (sec)	0.52	0.52	-0.00	-1%	0.54	0.52	0.02	4%
Total Curve 2 Peak Force Left (Newtons)	2.0	17.3	-15.3	-86%	25.8	38.3	-12.7	-30%
Heel Medial Curves Crossed (sec)	0.08	0.08	0.01	11%	0.11	0.13	-0.02	-12%
Heel Contact Time (sec)	0.35	0.31	0.04	16%	0.37	0.30	0.08	26%
Heel Maximum Force (Newtons)	616	616	616	100%	616	616	616	100%

# Accurate in-shoe analysis is faster & easier than ever with automated analysis!

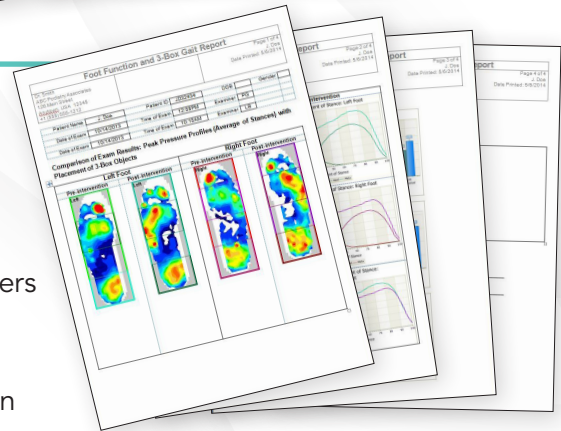
## Peak Pressure Analysis

- Identifies and quantifies the peak pressure areas
- Confirms the efficacy of offloading treatments
- Generates a report showing before and after comparison



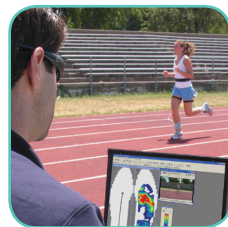
## 3-Box Analysis

- Isolates the heel and metatarsal regions in addition to the whole foot analysis
- Aids in identification of foot pathologies and gait disorders
- Confirms the efficacy of interventions and treatment
- Generates a report showing before and after comparison

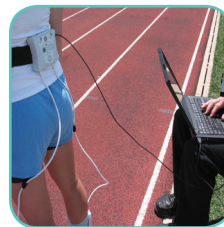


## F-Scan is Available with 3 Data Transfer Choices

- **Wireless** – Sends data to your computer in real time via Wi-Fi
- **Datalogger** – Data is recorded and saved in the datalogger unit until ready to upload
- **Base (Tethered)** – Connects to computer via USB



Wireless



Datalogger



Base

### Sensors are our specialty

Tekscan began as a sensor company, dedicated to making the highest quality resistive pressure sensors at an affordable price. Our ultra-thin in-shoe sensors provide among the highest resolutions available and can easily be trimmed to fit virtually any kind of footwear.

