



DIGITSOLE[®] PRO

Gait & Lower Extremity Movement Analysis.

**Capture. Analyze.
Document. Implement.**

BIOMECHANICAL ASSESSMENTS & MOBILITY DATA CAPABILITIES

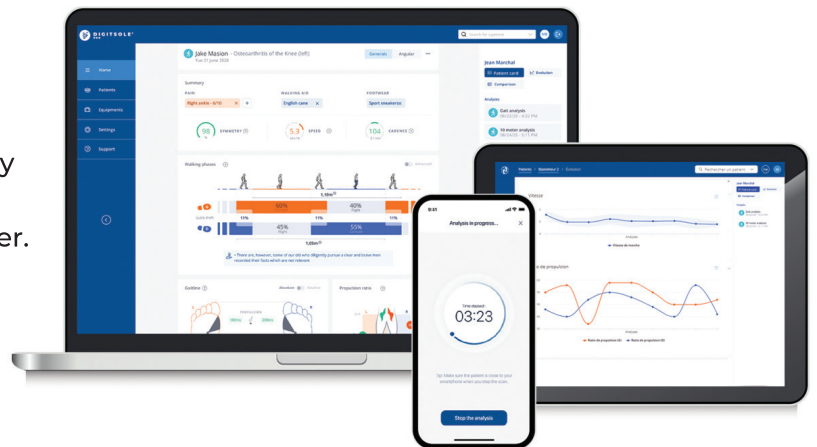


TECHNOLOGY

Unique patented technology efficiently measures and captures gait & lower extremity biomechanical movement data with remarkable accuracy, validity and reproducibility. Digitsole[®] offers the opportunity to quickly assess and evaluate both quantitative and qualitative movement data.

SOFTWARE

Digitsole[®] software is intuitive and extremely easy to use. Data is organized, easily accessible and presented to empower the healthcare practitioner.



HARDWARE

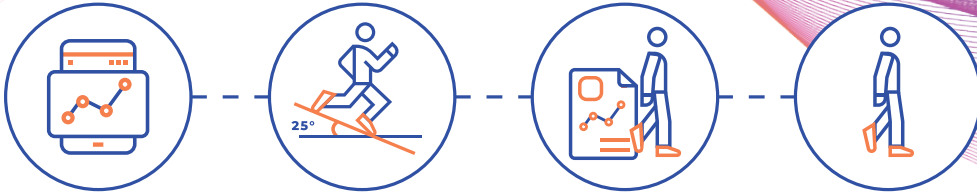
Each Digitsole[®] Pro Assessment Kit is equipped with unique and proprietary data collecting hardware pods. Digitsole captures and records steps, strides and foot orientations while running or walking.

Proprietary algorithms calculate lower extremity, spatiotemporal kinematic and advanced parameters with remarkable precision and accuracy. Digitsole pods utilize the world's smallest combination of a 3-D Accelerometer, Gyroscope, and Inertial Measurement Unit (IMU).





DIGITSOLE®
PRO



1. CAPTURE

2. ANALYZE

3. DOCUMENT

4. IMPLEMENT

The algorithms capture over 32 parameters in real-world conditions. This solution provides an objective interpretation to improve the clinical assessment of patients.

RECOMMENDED FOR:

- ✓ MUSCULOSKELETAL DISORDERS
- ✓ RETURN-TO-SPORT
- ✓ FALL ASSESSMENT/PREVENTION
- ✓ NEUROLOGICAL DISORDERS



ANALYSES INCLUDE:



WALK MODULE

SPEED
CADENCE
STRIDE LENGTH
CONTACT TIME
OSCILLATION TIME
DOUBLE CONTACT
LOADING TIME
FLAT FOOT TIME
PROPULSION TIME

GENERAL PARAMETERS



RUN MODULE

CADENCE
RUNNING SPEED
DOUBLE FLIGHT TIME
CONTACT TIME
OSCILLATION TIME
STRIDE LENGTH

CLEARANCE
STRIKE ANGLE
STRIDE HEIGHT
CIRCUMDUCTION
STEP PROGRESSION ANGLE
PRONATION/SUPINATION ANGLES

FOOT KINEMATICS

PRONATION ANGLE
SUPINATION ANGLE
STRIKE ANGLES

SYMMETRY
GAITLINE
PROPULSION RATIO
VARIABILITY

ADVANCED PARAMETERS

STRIKE PATTERN
ASYMMETRY
IMPACT FORCE

OPTIONAL MODULES:

Performance Rehab Module:

Adds 30 athletic performance parameters for evaluation to improve performance and help prevent injury.

Video Module:

Simultaneously capture video and movement data. Validate movement patterns during tests. Provides cloud based data and report storage.

Digitsole® Pro Base System

Software License, Walk & Run Modules, Hardware Kit, 2 Users
NC51551

Digitsole® Performance Rehab Module

NC51552-02

Digitsole® Video Module

NC51552-03

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Schedule a Live Digitsole® Demonstration

Contact your sales representative, or visit www.ncmedical.com/digitsole-demo
Toll-Free: 800.821.9319