



myoPRESSURE™

Pressure Distribution Platform Integration

- Gait, Running, and Balance Testing
- Temporospacial Gait Parameters
- Plantar Pressure Zone Segmentation

NORAXON®

Record and analyze gait, run, and balance with pressure-instrumented treadmills and platforms.

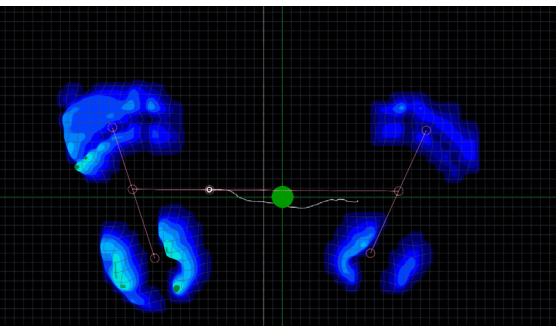
Precise Pressure Analysis

Noraxon's instrumented treadmills and pressure platforms offer a durable and accurate solution for pressure distribution analysis. These systems deliver reliable data through individually-calibrated capacitive sensors, enabling efficient mapping of static and dynamic plantar pressure.



HARDWARE FEATURES INCLUDE:

- High-resolution pressure sensor matrix
- Individually calibrated capacitive sensors
- Measure with shoes, orthotics, or barefoot
- Synchronize with EMG, 3D kinematics, and video
- Several size and upgrade options available



Integrated Movement Technology

myoRESEARCH allows users to integrate pressure products with various other recording devices to fit practical applications such as:



**Rehabilitation
& Return to Play**



**Balance & Sway
Analysis**



**Gait
Analysis**

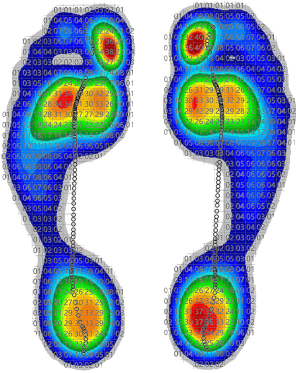


**Running Health &
Injury Screening**

The myoPRESSURE™ software module provides a detailed and objective assessment of gait mechanics to help build targeted treatment programs and monitor progress during the rehabilitation process.

Multi-Device Software

Seamlessly collect and combine a variety of data within a unified software platform



- Real-time 3D pressure animation and CoP visualization
- Graphical display of vertical ground reaction forces and maximum pressure
- Automatic left-right step detection
- Object recognition & removal (canes, walkers, and other aids)
- Customizable reports
- Plantar pressure zone analysis

Customized Reporting

Noraxon provides users with customizable reports to highlight the key results of data collection in a quick and efficient way.

Analyze pressure distribution and gait line

Compare CoP traces and parameters

Analyze temporospatial gait parameters

The image displays two screenshots of the 'Bilateral Gait Report' software interface. The left screenshot shows the 'Pressure Prints' section with three foot pressure maps and a 'COP Diagram' showing center of pressure traces. The right screenshot shows the 'Parameters' section with various gait metrics and a 'Gait Time Parameters' table.

COP Parameters	
Left	26626
Right	54242
Diff. %	0.6
Port line, mm	16727
Right	176512
Diff. %	6.1
Position, mm	16462
Anterior, mm	-251

Gait Time Parameters	
Stride length, cm	1821
Step width, cm	4.820.1
Velocity, km/h	
Step time, ms	Left: 54827, Right: 54226, Diff. %: -1.1
Stride time, ms	1090211
Cadence, step/min	11021

TREADMILLS



	PhysTread* Rehabilitation [^]	KinTread* Performance [^]
Treadmill Dimensions L x W x H	209 x 86 x 131 cm (82.28 x 33.86 x 51.57 in)	230 x 105 x 145 cm (90.55 x 41.34 x 57.09 in)
Belt Size	150 x 50 cm	175 x 65 cm
Motor	3.0 CHP ⁺	4.5 CHP ⁺
Speed	0.1-18 km/h (0.06-11.18 mph)	0.1-25 km/h [^] (0.06-15.5 mph)
Elevation	0-20% incline	0-28% incline
Sensor Area	102 x 50 cm (40.16 x 19.68 in)	132 x 56 cm (51.97 x 22.05 in)
# of Sensors	3,120 optional 6,720	4,576 optional 10,270
Sample Rate	120 Hz optional 240 Hz	300 Hz
Measurement Range	1-120 N/cm ²	1-120 N/cm ²

*Includes reverse belt option

[^]Leakage certified medical version available

⁺Requires 220V power supply

[^]High speed option up to 40 km/h (24.85 mph) available

PLATFORMS & WALKWAYS



	Plate-SX (FDM-SX)	Plate-S (FDM-S)	Walkway 1.5 (FDM 1.5)*
Dimensions L x W x H	55 x 40 x 2.1 cm (21.65 x 15.75 x 0.83 in)	69 x 40 x 2.1 cm (27.17 x 15.75 x 0.83 in)	158 x 60.5 x 2.5 cm 62.20 x 23.82 x 0.83 in)
Sensor Area	40 x 30 cm (15.75 x 11.81 in)	54 x 33 cm (21.26 x 12.99 in)	149 x 54.2 cm (58.66 x 21.34 in)
# of Sensors	1,920	2,560	11,264
Sample Rate	120 Hz	120 Hz optional 240 Hz	100 Hz optional 200 Hz / 300 Hz
Measurement Range	1-120 N/cm ²	1-120 N/cm ²	1-120 N/cm ²

* Walkway 1.5 can be paired with a second Walkway 1.5 to achieve 3 meters in total length

Certifications

