

FDM-THPL

treadmill system for stance and gait analysis

Treadmill

h/p/cosmos pluto / pluto med



The appropriate treadmill for every application: The treadmill system FDM-THPL allows for dynamic stance and gait analysis on the treadmill via pressure distribution sensor technology underneath the belt.

The low-maintenance h/p/cosmos pluto treadmill ergometer offers the perfect start into the field of running and gait analysis in shoe orthopedic industry or in sport.

- Low-maintenance and robust
- Sensor matrix with individually calibrated, capacitive pressure sensors
- Analysis of the pressure, time and step parameters and the gait symmetry
- Configurable reports
- Software with database, real-time analysis, signal viewer, report generator and data export function
- Optionally combinable with synchronized camera systems from zebris

Technical data FDM-THPL

Treadmill h/p/cosmos pluto / pluto med

Treadmill	
Speed	0 to 18 km/h in 0.1 km/h steps
Running area	150 x 50 cm
Motor	2.2 kW
Weight	approx. 211 kg
Dimensions (L x W x H)	210 x 85 x 130 cm
Step height	23 cm
Incline adjustment	0 to 20 % in 0.1 % steps
Max. user weight	200 kg
Colour	pure white RAL 9010
FDM sensor	
Measuring range	1 to 120 N/cm ²
Sampling rate	120 Hz optional 240 Hz
Sensor area	2i: 101.6 x 49.5 cm, 3i: 101.6 x 47.4 cm
Number of sensors	2i: 3,120, 3i: 6,720
Accuracy	1 to 80 N/cm ² ± 5 % (FS)
Hysteresis	1 to 80 N/cm ² ≤ 3 %
Interface	SYNC IN/OUT and Video SYNC
PC interface	USB

Optional



Arm supports adjustable in height and width



Handrails long



Unweighting system, adjustable handrails



Safety arch with fall stop incl. chest belt



Robowalk® Expander system