



Bertec® Instrumented Treadmills

The Bertec Fully Instrumented Treadmill allows researchers to reduce gait laboratory space requirements and remove the limitations inherent in a traditional gait walkway. The unique design features result in superior dynamic characteristics and a high natural frequency making it the best research-grade fully instrumented treadmill.

- Independent motion control of each belt
- Stable operation of the treadmill
- Industry-leading accuracy
- Ease of treadmill control
- Variety of applications and ease of integration
- Unique design features



Configuration

Two independent force measuring belts, m (in): 1.75 x 0.5 (approx. 70 x 20) each

Max Load Range: N (lb) - Fx, Fy: 2,500 (550) Fz: 5,000 (1,100)

Speed Range: km/h (mi/h): 0-24 (0-15)

Acceleration: m/s² (ft/ s²): 0-25 (0-82)

Total Walking Surface: m (in) 1.75 x 1 (approx. 70 x 40)

Options

Incline: Analyze uphill and downhill movements up to 15 degrees

Overhead Structure and Harness ensures patient safety and prevents falls and off track movements. Users can be comfortable and confident during testing.

Instrumented handrails available - each handrail outputs three components of force (Fx, Fy, Fz)

Specifications

Unique design features result in superior dynamic characteristics and a high natural frequency making it the best suited treadmill for research

Split belt treadmill has two belts, one for each foot, which can be controlled independently in both forward and reverse with high precision at desired speed and acceleration

An incline feature can be added to the system for uphill and downhill analysis

Independent and highly accurate 6-component load measurement from each belt (Fx, Fy, Fz, Mx, My, Mz)

Works with any major motion capture system

Developer SDK available for custom treadmill control and data access

Independent low vibration drive systems isolate each half from the other and ensures minimum interference in the data signal

One year standard warranty with optional maintenance packages



For more information, contact Bertec at 614-543-8099 or by email at info@bertec.com