VECTOR

1D Force Plates for Simple, Objective Vertical Force Measurement

- Force Vector Overlay & COP Animation
- Automated Jump Analysis & Reporting
- Seamless Integration Across Devices

NORAXON®

Key Applications

Evaluate performance, strength, and balance across a range of functional testing applications using objective force data.

Jump Analysis

Swing Analysis

Balance & Sway Analysis

Isometric Testing

Supported Jump Types:

- Countermovement Jump
- Squat Jump
- Drop Jump
- Broad Jump
- Jump Landing
- Hopping
- Unilateral Jumps

What You Can Measure

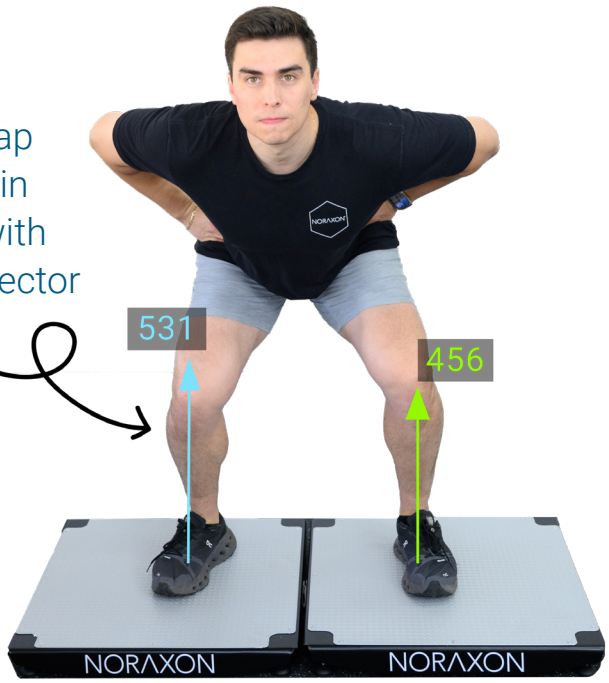
Access 65+ jump performance metrics and create customized reports to evaluate force production, timing, symmetry, and movement strategy.

Peformance Metrics
Peak force, impulse, and power

Outcomes & Symmetry
Jump height, take-off velocity, and kinetic asymmetry index

Timing & Phases
Countermovement time, flight time, and time to stabilization

Visually map out forces in real-time with the force vector overlay



Technical Specs

MEASUREMENT & PERFORMANCE

- Measurement Range: 11,768 N
- Overload Capacity: 150% per sensor
- Non-Linearity: ±0.02% FS
- Combined Error: 0.03%
- Sensitivity: 2 mV/V ±0.25%

PHYSICAL CHARACTERISTICS

- Dimensions (LxWxH): 61 × 61 × 6 cm (24 × 24 × 2.4 in)
- Weight: 14 kg (31 lb)

SIGNAL & DATA ACQUISITION

- Sample Rate: 1,000 Hz
- Resolution: 16-bit

CONNECTIVITY & SYNCHRONIZATION

- Interface: USB-A (power & data)
- Synchronization: ±5V TTL (3.5 mm jack)