



# 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.



## Performance Metrics

Peak force, impulse, and power



## Outcomes & Symmetry

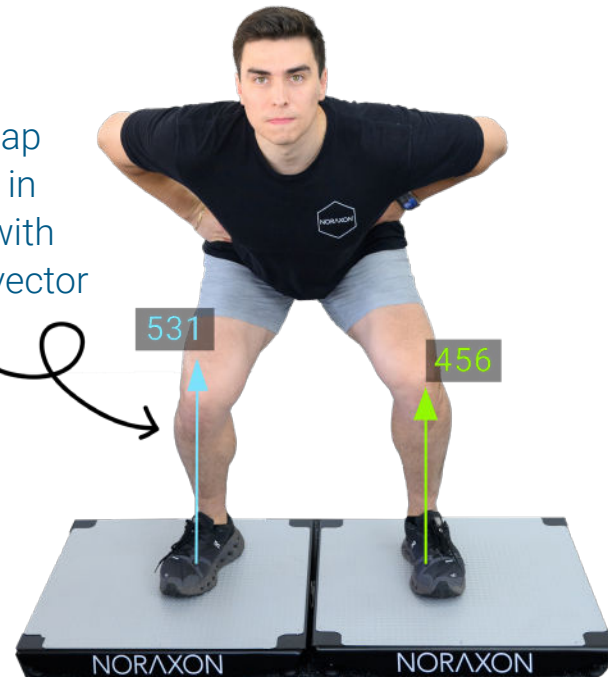
Jump height, take-off velocity, and kinetic asymmetry index



## 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:  $\pm 0.02\%$  FS
- Combined Error: 0.03%
- Sensitivity: 2 mV/V  $\pm 0.25\%$

## PHYSICAL CHARACTERISTICS

- Dimensions (LxWxH): 61 x 61 x 6 cm (24 x 24 x 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:  $\pm 5V$  TTL (3.5 mm jack)