PUSH YOUR LIMITS!

ddrobotec®

ddrobotec.com

Testing/training modalities: eccentric, concentric, isotonic, isokinetic, isometric, elastic, vibra-mode and much more.

Delivers up to 2’700 N of force and 2’160 Nm of torque per leg, with speeds of 8 m/s, indefinitely!

ddrobotec® by Dynamic Devices AG, Technopark Zurich, Switzerland

For videos and additional info scan QR-code

Robotrainer

MULTIDIMENSIONAL APPROACH

Improve performance, reduce injury risk, assess, motivate and increase training efficiency.

COGNITION

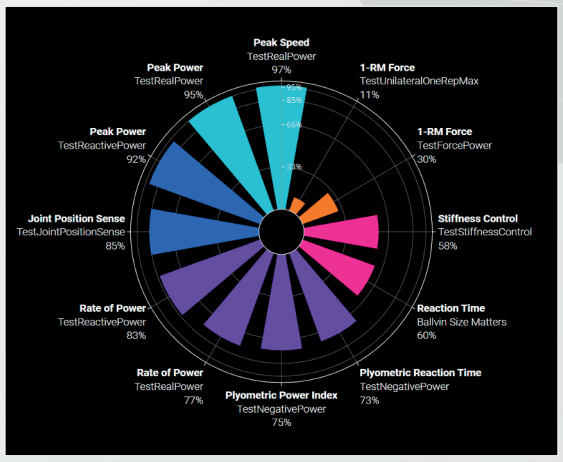
COORDINATION

CONDITION*

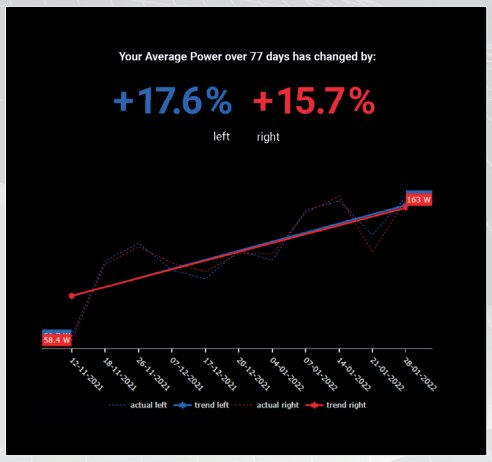
*strength, speed, endurance, flexibility

For performance training and RTP:

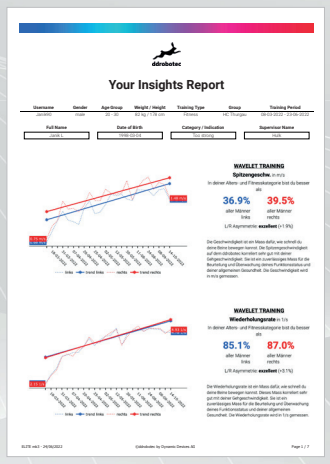
- American Football
- Baseball
- Basketball
- Golf
- Ice Hockey
- Motorsport
- Skiing
- Snowboarding
- Soccer
- Tennis
- Track and Field
- UFC/Mixed Martial Arts
- and more



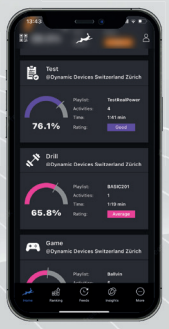
More than 50 functional biomarkers that track improvements of cognitive, sensorimotor and physical performance.



High-fidelity assessment and tracking of user performance metrics, including L/R asymmetry.



Real-time performance tracking, actionable, insightful and simple (Partner API, User API, Dashboards).



All-in-One Solution

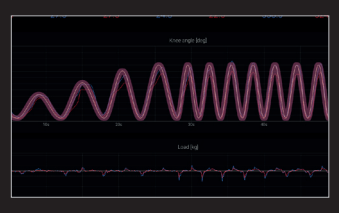
TESTING

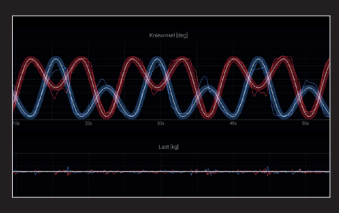
Functional, physiologically relevant and validated robotic tests – safe to use, executable in a few minutes, unilateral or bilateral.

Measures:

- Anaerobic fitness
- Critical power
- Eccentric strength
- Fatigue Index
- Knee joint stability
- Left-right asymmetry
- Peak power
- Peak strength, 1-RM
- Plyometric power index
- Precision/Motor control
- Proprioception
- Reaction time

TRAINING





Muscle-centric cognitive training promotes muscle building, coordination, strength, power, endurance, motor learning and cognitive abilities. Each leg can be trained and measured independently. Ideal for all ages and fitness levels.

EXERGAMING

More than 100 exergames with engaging audio-visual content and unique, dynamic force feedback that keep any user motivated and challenged – ensuring compliance and reducing attrition.