

MEASURE UNDERSTAND IMPROVE

AN INTRODUCTION TO MICROGATE'S
TOOLS FOR PERFORMANCE ANALYSIS AND
COGNITIVE-MOTOR TRAINING.

MICRO PILLS



With Microgate, **every movement becomes measurable**, every improvement visible.

Our technology helps you monitor progress, analyse performance, and make data-driven choices, anywhere, anytime. Turn training into science, and science into performance.





RACETIME **FROM START** **TO FINISH** **WITH NO WIRE**

HIGH TECHNOLOGY **EASY TO USE**



RACETIME has been devised to satisfy the needs of all sports. It is the first timing system of tested reliability working without connecting wires from the starting gate to the finishing line.

Its innovation makes RACETIME versatile and easy to handle and to use like no other timing system before.

RACETIME can be easily installed and has several important technical qualities which make it the ideal instrument even in the most demanding conditions. It can follow any position connected with timing, starting or input wires having place on slopes not resistant to incalculable spring systems.

RACETIME can therefore turn any ground into a wireless race track. It allows each athlete to be timed with perfect accuracy. It is also easy to use, easy to handle and, above all, extremely versatile. It offers several functions simply to pleasing our users.

First of all... here the exclusive innovation offered by RACETIME - it is a timing system which implies no connection between start and finish.

Thanks to this characteristic, it is possible to arrange a professional time measurement in a very short time. The only operation needed is to connect the accuser and the decoder to the starting gate (or to the photocell) to the photocell on the finish and to one of the two transmitters (start or finish) commonly used for communication. The quality of radio communication



is not affected by the operations of timing. RACETIME can also be used as:

- timing system with wires connecting start to finish line and other professional circumstances;
- race decoder for start and/or intermediate time signals, connected with any model of digital transmitters for an accurate time to be provided with inputs for an external control device.

Highly complex digital microcomputer.

The RACETIME system is completed by a special compact printer. By connecting the printer to the display it is possible to print final and partial times immediately. The final results can be printed immediately, or later, when the decoder can store in memory up to 100 times and intermediate data.

In order to record the data stored in the memory, RACETIME can also be connected to an external computer by means of a serial interface.

The microprocessor accumulates inside these instruments data for more than 10 hours when the photocell is connected. The device is capable non-stop for more than 10 hours when the photocell is connected.

RACETIME has been tested by several top racing clubs. It has proved its accuracy and reliability, also in the most extreme climatic conditions.

RACETIME

- highest circuit quality
- absolute reliability
- solid structure
- exclusive design
- limited weight and size

Built on over **30 years of research**, our systems combine precision, flexibility, and proven reliability.

Scientifically validated, portable, and fully integrated, they turn complex data into clear, actionable insights.

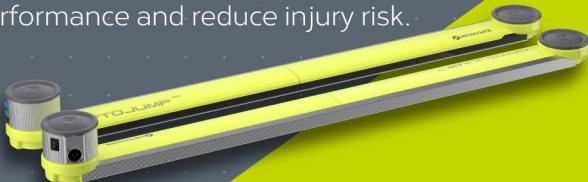
OPTO JUMP NEXT



OptoJump Next is an **optical measurement system** made of two parallel bars, one transmitting and one receiving.

Each bar contains **infrared LEDs** that detect any interruption caused by the athlete's movement, **capturing timing and position** with **1/1000 second accuracy**.

OptoJump Next technology provides a complete, data-driven functional assessment of how your body moves, offering actionable insights to optimize performance and reduce injury risk.





Trusted by coaches, research teams, and sports centers internationally, our product delivers reliable insights into movement and performance. **Data** are **shown in real time** and can be integrated with video for detailed qualitative analysis. Thanks to its **modular design** (up to 100 meters) and quick setup, it's ideal for both field and laboratory testing.





GYKO PRO

GykoPro is a **portable inertial system** with state-of-the-art sensors, **designed for motor and postural assessments and training**. It allows you to evaluate everything from joint mobility and stability to strength, and can also be used as a tool for Velocity-Based Training (VBT).



Fully managed through the ProMove App, available for both Android and iOS, GykoPro is **precise**, **lightweight**, and **fully connected**: the ideal solution for physiotherapists and athletic trainers.





WITTYTIMING SYSTEM

The WittyTiming System is a complete wireless solution for managing any kind of timing, sprint trials and agility drills.

Designed for both **field and indoor use.**

Each device **communicates** seamlessly through **radio or Bluetooth** and can be **fully managed via the ProMove App**, creating a flexible and integrated training environment.



WITTYPRO GATE

WittyPro Gate is a **wireless photocell system** for **accurate and reliable timing** on the field or in the lab.

Lightweight and durable, it can be used **alone or in multi-gate setups** to test sprint speed, change of direction, and agility. All **data** are **sent in real time to** the **WittyPro Timer** or the **ProMove App**, ensuring efficient and objective performance assessment.





WITTYPRO TAB



Compact, lightweight, and designed for outdoor use, the WittyPro Tab features over 8 hours of battery life, automatic LED brightness, and wireless connectivity for effortless operation.

Wirelessly connected to all Witty devices, including photocells and semaphores, it fully exploits the potential of every training session.

Real-time display of results instantly engages athletes, boosting their awareness and competitive spirit with themselves and others.



WITTYPRO TIMER

WittyPro Timer designed to **manage**, **record**, and **display all timing data in real time**.

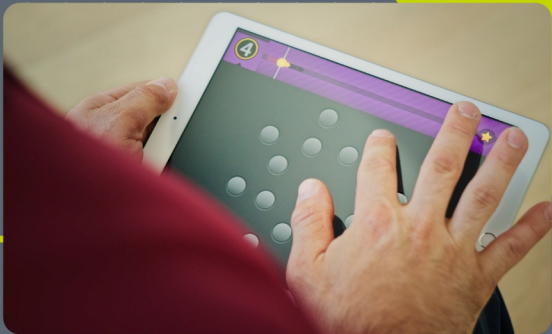
It receives signals from photocells and starting devices through secure radio transmission. Compact and ergonomic, with a **bright outdoor display** and **intuitive interface**, it allows coaches to easily set up tests, monitor results instantly, and operate reliably in any training condition.

WITYPRO SEM



WittyPro SEM is an **intelligent light system for cognitive and reactive training**. Its 7x5 LED matrix shows colours, symbols, or arrows that trigger quick decision-making and movement responses. Equipped with a **proximity sensor**, it **responds** to the athlete's **gestures without physical contact**.





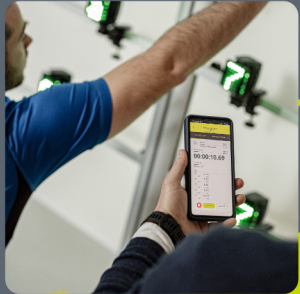
WITTYSEM BRAINHQ

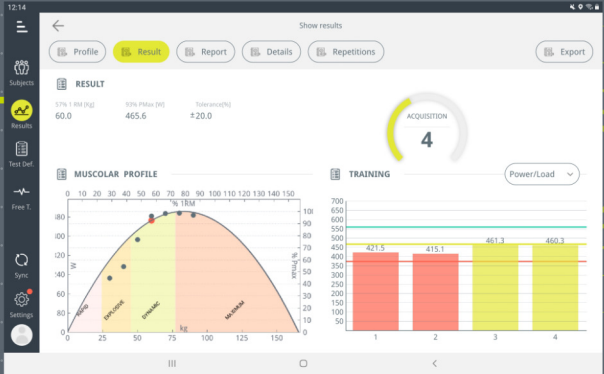
Brain HQ is a **scientifically validated** cognitive training platform. Some exercises are integrated in our WittyPro SEM to combine motor and cognitive tasks. With this system you can train basic cognitive skills like **attention, processing speed, memory, reaction** and **executive functions** through adaptive and engaging exercises.



PROMOVE APP

ProMove App is the **central platform** that connects and **manages Microgate devices**. Designed for **mobile use** on **smartphones** and **tablets**, it collects, synchronises, and displays data from systems such as GykoPro, WittyPro Timer and WittyPro SEM. Its intuitive interface allows users to **configure tests**, **record sessions**, and **access results instantly**, anywhere and anytime.





The app offers clear graphs, **real-time feedback**, and a seamless workflow, making performance analysis **easier and more efficient** for coaches, therapists, and researchers.

All results are **automatically stored**, **visualised**, and **exportable** as detailed reports or Excel files.