The new gold standard

Kistler unveils the new gold standard in force measurement: triple excellence, with cutting-edge digital technology, a seamless user experience, and superlative service and support.

www.kistler.com/biomechanics
The new gold standard from Kistler: triple excellence

Just imagine: one superior force measurement system that integrates best-of-market benefits across the board ... Well, that vision is now a reality, because the Kistler gold standard has arrived!

Superlative digital sensor technology – a seamless user experience thanks to highly versatile software – and outstanding customer service with solutions tailored to your individual needs. A triple combination that paves the way to gold – and a package of benefits that will help to reduce injuries and keep athletes in top form for competition.

The first cornerstone of the gold standard: technology that delivers absolute precision – the essential requirement for data that trainers use to optimize athletes' performance. And precision is also the basis for Kistler's standing as the global leader in dynamic measurement technology. Digitalization plus Kistler's 50 years of successful experience – a winning formula that yields multiple user benefits.

The crystal that can win gold
At the heart of Kistler force plates are piezoelectric quartz crystals, grown in our own special facility: rigid, robust sensor elements with high natural frequencies that offer excellent dynamic response and a wide measurement range with high resolution. They capture accurate data about movement patterns and force curves that is displayed directly on screen for immediate analysis.

“The force plate from Kistler is rated as the best on the market. We're excited to be working with Kistler as our partner, and we're impressed by their service.”

Tom Myslinski
Strength and Conditioning Coach,
Jacksonville Jaguars NFL
Biomechanics systems – overview

**Application fields**

**Track and field**
- Sprint, running, long jump, high jump, pole vault, and more

**Team sports and others**
- Baseball, soccer, basketball, and more

**Watersports**
- Swimming

**Strength and conditioning**
- Strength and power tests, balance and stability tests

**Highlighted products**

- **The instrumented sprint starting block helps improving the sprinters start performance and explosiveness.**
- **The pole vault planting box with high natural frequency enables precise 3D force measurements.**
- **The instrumented starting block and turning plate enables analysis and improvement of swim starts and turns.**
- **Lightweight and portable 3D force plates allow accurate measurements and flexible use.**
- **Versatile force plates with high natural frequency provide outstanding accuracy in research, gait analysis and sports.**
Groundbreaking digital technology

Hardware that delivers ultimate precision

Improving a product that has convinced customers around the world for over 50 years is no small challenge – and it’s not a claim we make lightly. These are the benefits you can expect when you go for Kistler’s new gold standard in digital force measurement technology:

- Easier, faster setup – plug-and-play saves time and effort
- Cabling is reduced to the absolute minimum
- Up to 16 force plates in one chain (daisy-chaining concept using network cables – multiple chains can be interlinked)
- Cloud-/server-based data storage and analysis – data exactly when you want it, where you want it
- Cost of your complete measurement chain is reduced thanks to streamlined technology
- Distances of over 100 m can be covered with no data loss
- Highest standard of synchronization in the biomechanics sector: over PTP (Precision Time Protocol) within microseconds
- Digital output from each plate – no separate data acquisition box needed
- Visualizations and reports tailored to your individual needs – data exactly how you want it
Seamless user experience

Data flow

Athletes and coaches worldwide devote their efforts to one goal: the race for gold. Data on athletic performance plays a key part in achieving that goal – but only if the data is clearly presented and easy to access. That’s why the developers at Kistler technology focused on delivering a seamless experience for users of our force plate technology:

- Plug-and-play, the absolute minimum of cabling, no need for separate data acquisition boxes – design benefits that ensure simple, easy system setup.
- Data visualized on the live dashboard, custom reports for athletes and coaches, 24/7 access to data in the cloud from any location – presentation benefits that combine comfort with efficiency for all users, regardless of computer skill levels.
Lifelong customer service and superlative support

Alongside high-precision technology and a seamless user experience, the gold standard includes a third, equally important cornerstone: service that customers throughout the world can rely on, and expert support to ensure that every user enjoys lifelong maximum benefits from their system. With users ranging from an Olympic sprinter to an American football team or the Swiss national ice hockey squad, we know that every force plate project presents different challenges – and that’s why Kistler sets out to be a genuine, trusted partner to each and every one of its customers across the globe.

We believe that partnership means lifelong service and support: we customize each system to match your specific situation, we install it so you don’t have to worry about the technical details or engage external technicians, we offer education on using your force plate and we provide training courses on our software.

We will even adapt or exchange the flooring to prevent any distortion of the measured values. Tartan track, concrete or turf are just some of the options available – and of course, the dimensions of your force plate can be tailored to your needs as well. Our aim is simple: we want you to enjoy a totally carefree user experience throughout your product’s lifetime – and beyond.

Service and customization

Flat surface ensured by installation in the ground

Customizable and exchangeable surface of force plate

Customizable size of force plate
Go for gold – today!

Customers such as the Kienbaum Sports Centre or the Australian Institute of Sport come to us with large-scale projects because they know we have the expertise, capacity and experience to respond flexibly to their challenging requirements.

But no matter how large or small your project is, we believe that one factor overrides all others: and that factor is trust. We are proud to list just a few of the customers who have placed their trust in us for many years:

Do you still have questions about your specific project? Contact us right now for a consultation – with no obligation.

www.kistler.com
At our customers’ service across the globe

Thanks to Kistler’s global sales and service network, we are always close to our customers. Some 2,200 employees at more than 60 locations are dedicated to the development of new measurement solutions, and they offer customized on-site support for individual applications.

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