

Press Release

NCTE sensor technology smarts up fitness trainer Exerfly

Worldwide successful fitness equipment manufacturer provides data with measurement technology “Made in Germany”

Munich/Oberhaching, Juli 15, 2021: NCTE (<https://ncte.com>), specialist for non-contact torque sensor technology, supplies the central power sensor for the flywheel training device of the New Zealand manufacturer Exerfly (<https://exerflysport.com>). The sensor enables data-based training in the innovative fitness device as well as control of an optional motor.

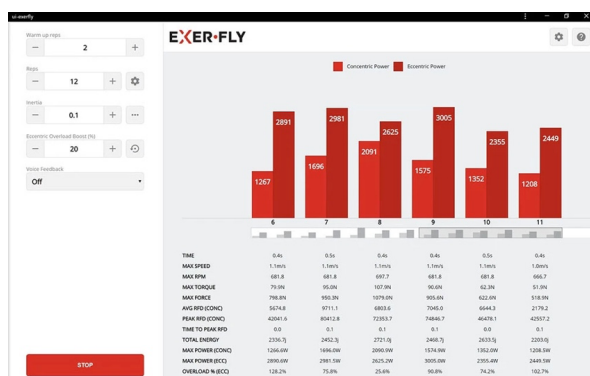
Flywheel training specifically calls for eccentric muscle work: moving against a resistance, like lowering a barbell during a bench press. This works with a rotating flywheel. Eccentric training enables athletes and hobbyists to become stronger, faster, injury-free and more efficient.



"Our key advantage is sensor technology"

The special USP of the Exerfly lies in the technology inside: "Our key advantage over other flywheel training equipment is the sensor technology, which allows the athlete to connect with the trainer remotely. This allows the trainer to see how the athlete is training and where improvements are needed," says Jordan Barron, co-founder of Exerfly.

The sensor's measurements of RPM, speed and time allow Exerfly to evaluate a lot of data such as repetition time, speed, energy and power at different points in the exercise. For elite athletes, this feedback (shared via app on computer or smartphone) is incredibly valuable to see how they are progressing over time and to share the results with their coach. And amateur athletes also benefit from detailed statistics about their training progress.



Sustainable effect of robust measurement technology

"The NCTE technology is lightweight, takes up little installation space and is extremely robust. The measurement data is the perfect basis for making our Exerfly intelligent," adds Exerfly co-founder Barron. For the measurement technology, NCTE magnetized the shaft of the flywheel in a patented process. The non-contact measurement eliminates

the need for cables or strain gauges. In addition, the magnetic technology operates long-term

without wear and can be used for the life of the application.

"We are very proud to welcome Exerfly as a new customer. With our customized sensor solution, Exerfly raises new potentials in its fitness equipment. In addition, we contribute to the health and well-being of society with modern technology," says Jürgen Uebbing, CEO of NCTE.

Exerfly's overseas sales have soared following its international launch in the midst of the pandemic. The Christchurch, New Zealand-based company counts well-known professional teams such as the U.S. national basketball team, British Premier League soccer team Wolverhampton Wanderers, Canada's Olympic ski team and the British Paralympics Association among its customers.



Image material

You will find high-resolution image material <https://ncte.com/en/pressemitteilungen/ncte-sensor-exerfly>

About NCTE AG

NCTE is a specialist in non-contact sensor technology using the principle of elastic magnetostriction. The medium-sized company employs 40 people at its site in Oberhaching near Munich. NCTE develops, produces and sells sensor solutions that measure mechanical forces (torque, force, shear, speed or bending) in a completely non-contact manner - as standard sensors and customer-specific solutions, both in individual production and for series production. Customers include Mercedes, Red Bull Racing Team, Schaeffler and Trumpf.

More at: www.ncte.de

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