

LABA7 Launches MICRO Shock Dyno for Trackside Testing

Tabletop Scotch-Yoke dyno in 0.14 m2, running on a single-phase socket and holding velocity from 1 mm/s. 6,000 EUR excl. VAT, first deliveries October.

VILNIUS, VILNIAUS, LITHUANIA, September 15, 2026 /EINPresswire.com/ -- Racing teams can now test dampers at the track more easily, on a machine that occupies just 0.14 m2. LABA7 launches the [MICRO Shock Dyno](#), a tabletop machine with lab-grade testing quality. It runs from a standard single-phase socket and holds velocity as low as 1 mm/s throughout the cycle.

"Until now, a [shock dyno](#) meant a room. If teams could not bring one to the track, setups were tuned by feel and generally went out untested. That means a loss for the team as they spent a whole session learning what a dyno could answer in minutes," said Andrius Liškus, CEO of LABA7. "To solve this, we made a dyno with a uniquely small footprint, that is easy to take anywhere, and is very affordable."



LABA7 MICRO shock dyno

Closed-loop servo control

MICRO holds a set velocity at every crank position, from 1 mm/s to 1000 mm/s. A closed-loop servo motor with an absolute multiturn encoder makes that possible. LABA7 developed a special controller that tracks crank position through the full cycle and corrects the velocity as the load changes.

The ability to maintain constant low speed is crucial for seal drag and friction tests. Their effects are hard to distinguish when velocity drifts - a phenomenon that occurs as damper forces rise.

Small machine, lab-grade tests

A smaller machine does not mean it has lesser testing capacity. MICRO carries the same 10 kN

load cell as Featherlight and Light Shock Dynos from the LABA7 range.

It also uses the same contactless temperature sensor, reading from -40 °C to +150 °C, and the same connectivity options. MICRO Shock Dyno connects to Shock Dyno Software v2 via WiFi, USB, and Ethernet connections.

Unlike bigger shock testing machines, MICRO is shipped with two self-preload clevis adapters. Other LABA7 adapters for automotive, motorcycle, and MTB dampers can be fitted, and are sold separately.

Built to travel

MICRO stands 1338 mm tall on a 363 x 395 mm footprint. The masts detach for transport, which brings the height down to 626 mm. Operating weight is 65 kg.

The machine runs on single-phase 230 V, 50 Hz or 110 V, 60 Hz and can be powered from a socket in a racing van or from a generator.

The price

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Until now a shock dyno meant a room. Teams could not bring one to the track, so setup changes went out untested. MICRO does that check on the spot, so the session is spent driving.”

Andrius Liškus, CEO of LABA7

“A lot of qualities that make MICRO great for trackside testing are suitable for workshops as well. Plenty of tuners wanted a dyno and did not have the floor space or the budget. A tabletop machine at this price changes that conversation,” Liškus adds.

The price of the MICRO Shock Dyno is 6,000 EUR excl. VAT (approx. 6,970 USD / 5,155 GBP). First deliveries are estimated to begin in October 2026.

For more information, visit laba7.com.

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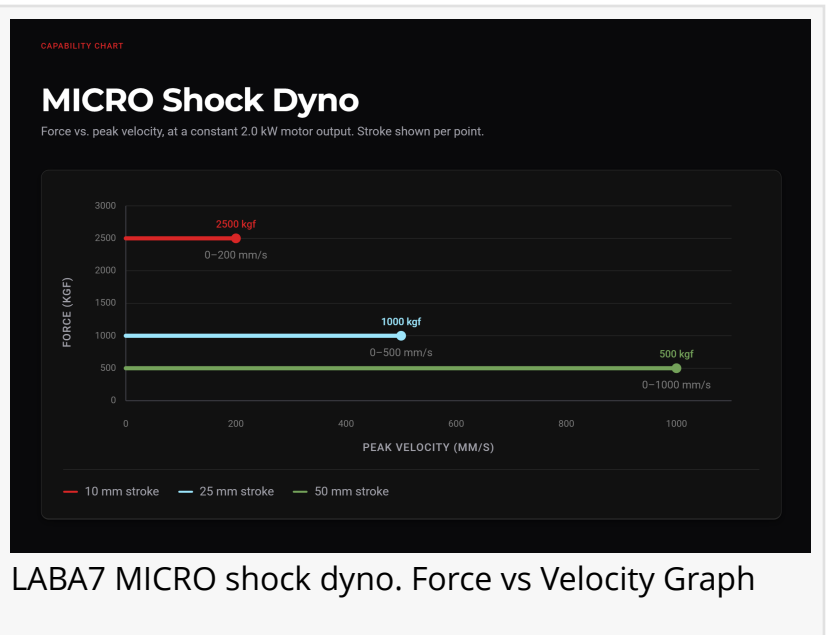
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