

PRESS RELEASE

## **On-the-fly laser welding for more efficient, lower-cost production**

Blackbird's open house event attests to robust industry interest

**Garching, Germany, July 29, 2024 – Blackbird Robotersysteme GmbH, manufacturer of system solutions for remote laser welding, kicked off extensive dialogue between laser technology experts and representatives of the electric mobility industry with its open house event on July 16. More than 60 guests from seven countries attended the expert welding company's event in Garching. Attendees came from major automotive manufacturers and suppliers, as well as photonics component suppliers. The centerpiece of the event was a series of live demonstrations of innovations such as on-the-fly laser welding of battery cells.**



Garching at its Laser eMobility Workshop.

Garching, near Munich, was recently host to three days focusing on innovative laser technology for the electric mobility environment. Blackbird held an open house at its laser labs on Tuesday, July 16, to kick off the series. Over the next two days, the Technical University of Munich (TUM) partnered with two Italian higher education institutions and welcomed some 200 guests at the Science Congress Center

The more exclusive event at Blackbird gave approximately 60 visitors an opportunity to see new developments in the systems with their own eyes in live demonstrations, to understand the benefits, and to prove how suitable the new solutions are for industrial production. The event was also a chance for visitors to talk with experts about their individual requirements. Demonstrations ranged from an innovative setup for automated mass production of battery packs (consisting of many individual round battery cells), to OCT-(optical coherence tomography)-monitored laser welding of three-dimensional components with varying joint geometries, to safe, reliable, and efficient welding of hairpins.

“I was pleasantly surprised by the success of our event and by the high level of expertise we saw in people's questions,” says Benjamin Bopp, head of sales at Blackbird, who joined the team just a few months ago. “Once again, this affirms my personal experience and Blackbird's excellent reputation as a technology leader in remote laser welding, especially for all on-the-fly (OTF) applications. After participating in trade fairs in China,

the U.S., and Korea this year, it was extremely important for us to bring together our leading users in Germany as well. And the open house was the perfect solution to do so.”

**Printable images** are available at

<https://www.blackbird-robotics.de/en/company/news-press/picture-library>

**About Blackbird Robot Systems:**

Blackbird Robotersysteme GmbH manufactures system solutions for remote laser welding with scan heads. The mirror-based beam deflection units can be integrated seamlessly into industrial production systems – especially robot cells. Our core competencies include the development of powerful control technology, intuitive user software and supplemental process monitoring solutions.

In combination with 2D and 3D scan systems from our sister company SCANLAB, Blackbird offers a wide spectrum of highly efficient, pre-integrated solutions for series production in automotive manufacturing, electric mobility and many other industrial sectors worldwide for machine and plant construction companies.

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