

PRESS RELEASE

Compact Controller Saves Space and Energy for Laser Welding

The ScannerControlBox simplifies and accelerates the integration in a variety of machine concepts

Garching / Germany, March 2, 2023 – Blackbird Robotersysteme GmbH, the expert for system solutions for remote laser welding, expands its portfolio by an especially compact scanner controller. The ScannerControlBox (SCB) will become the self-confident little sister of the proven ScanControlUnit (SCU-3). Both controller solutions permit the easy integration of a welding system in automatic production systems and robot cells. For this purpose, the new SCB needs less space and is quickly installed.



Remote laser welding becomes more and more an especially attractive joining process for a variety of materials – also in applications beyond the automotive industry. For all applications, the users are facing the challenge to integrate the laser scanners as smoothly as possible in the existing or planned production systems. The dimensions play a role almost as important as the existing interfaces and the

available field bus systems.

Blackbird developed the SCB and tested its use in several pilot projects to offer its customers a smaller but still industry-suitable solution. The feedback of the users was consistently positive. Weighing 37 kg, the new controller solution is comparably light weight, it can be comfortably wall mounted and therefore saves valuable space. The interfaces are accessible from below, which allows basically a plug and play mode installation. The controller can be connected and commissioned without additional pre-settings and driver installations.

The function scope of the new controller is reduced to specific needs and it is outstandingly qualified, for example, for welding applications in the electrical mobility environment and for the on-the-fly operation. It was possible to lower the energy consumption to a minimum through the performance-applicable selection of components. The high performance processor guarantees an efficient data processing and program handling. In case of limited space availability, the SCB can therefore also be used as an alternative to the larger SCU-3 sister.

The new laser scanner controller can be ordered from now on. Delivery is scheduled to start in summer 2023.

Printable images are available under
<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 scanning optics. The mirror-based beam deflection units can be seamlessly integrated into industrial manufacturing systems, particularly robot cells. Blackbird's core competencies include the development of powerful control technology, intuitive user software and additional process monitoring solutions.

Combined with 2D and 3D scan systems of the sister company SCANLAB, Blackbird offers machine and plant manufacturers a broad range of highly efficient, pre-integrated solutions for series production in automotive manufacturing, the electro mobility sector and in numerous other industrial sectors.

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