

Brinkmann Electronic Berlin is now an authorized HIPERFACE DSL® testing laboratory



Left to right: Andreas Lautemann (SICK), Simon Brugger (SICK), Peter Brinkmann (Brinkmann Electronic Berlin), and Bernd Appel (SICK)

Machines must be safe! – This is not just one of the demands of the EU's Machinery Directive. In order to ensure that machines can be used simply without compromising safety, powerful sensor technology is now used to detect dangerous errors and protect the user. In electric drive technology, high-quality motor feedback systems (MFS) are used for this purpose which reliably determine the speeds and positions of moving axes. Sensors with the Hiperface DSL® interface are particularly advantageous for connecting the motor and drive controller. Since the process data transmission is purely digital, the susceptibility to interference is lower. In addition, the single-cable technology supported by Hiperface DSL® is significantly more cost-effective to install.

However, to ensure that motor feedback systems and drive controllers from different suppliers can be operated without issues, it is important that the Hiperface DSL® standard is followed precisely during the development of feedback sensors. After all, this is the only way to ensure quality and thus customer satisfaction.

For the introduction of new sensors, manufacturers can now organize for a conformity test to be performed by Brinkmann Electronic Berlin. Sick Stegmann, licensor of the Hiperface DSL® technology, has authorized this independent development service provider to carry out this procedure.

In addition to conformity testing, as an expert in communications and Hiperface DSL® technology, BEL can also provide support in the implementation, diagnosis and bugfixing of the Hiperface DSL® interface. By establishing the proof of conformity, SICK STEGMANN and Brinkmann Electronic Berlin are boosting the market acceptance of Hiperface DSL® technology. This gives users the certainty of being able to seamlessly combine Hiperface DSL® products from different manufacturers.

About Brinkmann Electronic Berlin

Brinkmann Electronic Berlin GmbH is a young service company for consulting and development of electronic hardware and embedded software. They work primarily in the field of industrial automation and the Internet of Things (IoT) with a strong focus on functional safety. Experienced engineers cover the complete device development life cycle, from product definition through to safety-standard certification and beyond. Brinkmann Electronic offers technology solutions in the fields of safe motion control, robotics, safe communication, and edge computing with secure cloud interfaces.

About SICK

SICK is one of the world's leading producers of sensors and sensor solutions for industrial applications. Founded in 1946 by Dr.-Ing. e. h. Erwin Sick, the company with headquarters in Waldkirch im Breisgau near Freiburg ranks among the technological market leaders. With more than 50 subsidiaries and equity investments as well as numerous agencies, SICK maintains a presence around the globe. In the 2018 fiscal year, SICK had almost 10,000 employees worldwide and a group revenue of around EUR 1.6 billion.