

## Hall Sensors

### **Strategic partnership between TDK-Micronas and CGS facilitates new Hall sensor production line programmer**

- TDK-Micronas and CGS to enter into a strategic partnership.
- For current linear Hall sensors (1D) and direct-angle sensors (2D) from TDK-Micronas, a CGS programming device is now available for the production environment.

May 24, 2017

TDK Corporation announces a strategic partnership of its subsidiary TDK-Micronas GmbH with CGS GmbH. Following the multi-year cooperation between the two companies in the area of magnetic-field sensors, it was now agreed to further intensify the cooperation in the future. The first product that emerges from the partnership is the Intelligent Sensor Calibration Module (ISCM) programmer for use in automated industrial production environments. It is available as of today.

The production programmer "ISCM" has been developed as a module for the established cRIO platform of National Instruments. Depending on the chassis used, it can be connected either via Ethernet, EtherCAT, USB, or wireless. The CE and RoHS certified solution is capable of real-time operation and is flexibly scalable. It can be configured with other programmers and cRIO modules as required.

CGS is the only supplier recommended by TDK-Micronas for sensor programming solutions at the end of the assembly line. Current Micronas brand products of the 1D and 2D sensor families (HAL 18xy, HAL 24xy, HAL 36xy, HAL 37xy, HAL 38xy) can be programmed reliably and efficiently with the tools developed by CGS. Due to the ability of parallel programming of several sensors in mixing mode, test time and costs are significantly reduced.

For future sensor products, appropriate programming solutions are developed together in the development phase of a new sensor. The partnership guarantees optimal support of the respective production lines worldwide. Customers can benefit from standardized products as well as from sensor-specific know-how.

Furthermore, CGS offers customers worldwide the possibility to integrate into the production line and to adapt to customer-specific software environments up to turnkey applications.

TDK-Micronas will present the production programmer on this year's Sensor+Test exhibition in Nuremberg, Germany (hall 1, booth 204) from May 30 to June 1.

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**About TDK Corporation**

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's portfolio includes passive components, such as ceramic, aluminum electrolytic and film capacitors, ferrites and inductors, high-frequency products, and piezo and protection components, as well as sensors and sensor systems and power supplies. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics and TDK-Lambda. TDK's further main product groups include magnetic application products, energy devices, and flash memory application devices. TDK focuses on demanding markets in the areas of information and communication technology and automotive, industrial and consumer electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2017, TDK posted total sales of USD 10.5 billion and employed about 100,000 people worldwide.

**About TDK-Micronas**

TDK-Micronas, a TDK group company, is the most preferred partner for sensing and control. TDK-Micronas serves all major automotive electronics customers worldwide, many of them in long-term partnerships for lasting success. Operational headquarters are based in Freiburg (Germany). Currently, the TDK-Micronas Group employs around 900 persons. For more information about TDK-Micronas and its products, please visit [www.micronas.com](http://www.micronas.com).

**About CGS**

The company CGS – Computergesteuerte Systeme GmbH was founded in April 1985 and the headquarters is located about 20 km east of Munich in Markt Schwaben (Bavaria). Additional branches are in India (Bangalore), USA (Detroit) and Singapore.

Its employees form a highly motivated team of over 40 specialists in the fields of electronics, mechanics, software development and consulting.

Since 1988, CGS GmbH has been a reliable partner for the automotive industry.

For more information on CGS GmbH and its products, please visit [www.cgs-gruppe.de](http://www.cgs-gruppe.de).

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Further information on the company renaming can be found under: [www.micronas.com](http://www.micronas.com)

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