

TDK-Micronas at a glance

TDK and Micronas

Since March 2016, Micronas is part of the TDK corporation.

TDK and Micronas aim to lead the magnetic sensors market.

On-site production

Thanks to our flexibility, we are able to launch new products quickly.



Benefit from experience

Innovative solutions and outstanding support based on a firm knowledge of markets and systems.



Quality without compromise

Our products are known for their quality, functional safety and reliability.



Environmental protection

Environmental sustainability to secure the future of our production sites.



Our success proves us right

More than 4 billion ICs sold by the global leader of the linear Hall sensor market.



Company profile

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.

About the 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.



Driving in the fast lane with TDK-Micronas

TDK-Micronas GmbH

Hans-Bunte-Strasse 19 | 79108 Freiburg

Tel. +49 761 517-0 | Fax +49 761 517-2174

info@micronas.com | www.micronas.com

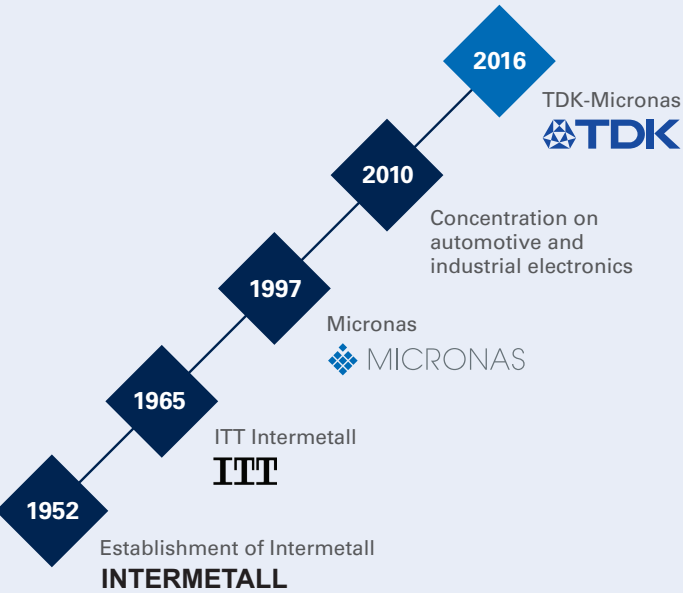
www.micronas.com

Micronas under the roof of TDK Corporation

Since March 2016, Micronas is a part of the TDK corporation. Consequently, Micronas was renamed TDK-Micronas and is now part of TDK's Sensor Systems Business Company. As an independent subsidiary of TDK, TDK-Micronas will keep selling its Hall sensors, and embedded motor controllers under the brand name Micronas

The combined technological expertise of TDK and TDK-Micronas particularly in the area of magnetic field measurement perfectly matches the requirements of the Automotive market: TDK-Micronas has expertise in the area of sensor systems and the integration thereof, regarding Hall-effect sensors and embedded motor controllers. TDK specializes in the magneto-resistive (MR) technology, mainly in sensors based on the tunnel magneto resistive (TMR) effect. Thus, the combined knowledge enables the development of innovative technology, new products and creative solutions.

Milestones of Corporate History



TDK-Micronas products

Hall-effect sensors from TDK-Micronas can be found where position, linear or rotational movement, or current is to be measured. Other parameters can be measured indirectly e.g. rpm, leveling, pressure, force or even torque. These sensors are widely used for applications in the automobile but also in White Goods, HVAC, robots and many more. Additionally, TDK-Micronas provides innovative fully integrated embedded motor controller solutions for small BLDC and stepper motors.

Automotive is the key focus application area for TDK-Micronas, that maintains full control of production from wafer fab, assembly and final testing to provide highest flexibility to meet automotive supply and quality requirements. TDK-Micronas offers the world's largest Hall sensor portfolio covering all automotive applications in Powertrain, Chassis and Safety, and Body and Comfort.



Sensors and controllers in the automobile

Body and Comfort

There is an important electrification trend in the vehicle body compartment. Contactless sensors and electric motors are replacing mechanical and hydraulic systems for higher comfort and better reliability. TDK-Micronas has the largest Hall-effect sensor portfolio to address the wide diversity of requirements in those applications and next generation components addressing the needs for lower power consumption and system cost efficiency. TDK-Micronas provides also fully integrated servo-drive controllers for BLDC and stepper motors as well as switches and direct angle sensors for motor position detection.

Powertrain

An increased demand for high energy efficiency and CO₂ reduction asks for optimized sensor and actuator solutions. TDK-Micronas aims to provide solutions for all powertrain applications from battery management to exhaust valves through shift lever and pedal position sensors. TDK-Micronas develops high accuracy sensors designed withstand harsh under-the-hood environments: insensitive to vibrations, temperature drift and dirt.

Chassis and Safety

Both comfort and safety requirements are driving the trends towards higher safety integration and safe exchange of sensor information between braking, suspension and steering modules. TDK-Micronas provides highly reliable solutions for those systems and develops next generation components addressing the needs for higher bandwidth and more functional safety.

TDK-Micronas offers a wide portfolio of switches, linear and direct-angle sensors with diversified communication channels and redundancy levels.