Nuremberg, Germany. The Siemens Industry Automation Division has extended its industrial identification system portfolio to include the new, heat-resistant Simatic RF680L Smart Label. The ultra-flat RFID (radio frequency identification) transponder is particularly well suited for complex industrial applications such as paint shops and other high-temperature operating environments.

Simatic RF680L enables product tracking and tracing across the entire value added chain in production and logistics. The new transponders combine the wide range of ultrahigh frequency (UHF) technology with low costs and are now also suitable for the kind of demanding production processes occurring for instance in the automotive industry.

Simatic RF680L withstands temperatures of up to 220 degrees Celsius for a period of one hour and up to 200 degrees Celsius for six hours. The storage capacity is 240 bit for the EPC (electronic product code) identification number and 512 bit for user data. This means that Simatic RF680L can be used not only for the precise identification of products but also for distributed data storage. Simatic RF600 RFID read/write devices are used for acquiring data.

Siemens Identification Systems
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