

Intelligent payment solution for large-scale catering

With pabis, the plate knows what the meal costs

RFID revolution in catering outside the home: Bauscher, the porcelain manufacturer, is offering pabis which is an innovative, RFID-based payment solution for large-scale catering. It automates the payment procedure at tills.

Using RFID technology, the meals and drinks are recognised and the information is transferred electronically to the existing till and payment system. The heart of pabis is a chip that is firmly integrated in the base of the porcelain, thereby making the plates and bowls into information storage media. In selecting its RFID data carriers, Bauscher chose the smart-PET from smart-TEC GmbH & Co. KG because of its good legibility, high resilience and ease of integration in the porcelain. It was optimally adapted to the complex requirements of the customer and the project. Bauscher developed a special process for integrating the smart-PET into the porcelain using a special adhesive. The elaborate sealing procedure makes it insensitive to moisture, temperatures up to 85 degrees Celsius, vibration and dirt. The "intelligent porcelain" thereby meets all requirements for professional use in gastronomy.

The kitchen manager programmes the names of the meals as well as their prices at special transmitter stations installed at the counters of the canteen. When the canteen personnel pass the plate with the required meal to the diner, the chip is written with the associated information by a proximity method. As soon as the porcelain arrives at the till, the information stored on the chip is read in by the payment system. The meal is paid using an interface to the wage account, or via cashless payment systems. The advantages offered by pabis, the multi-award winning "intelligent porcelain", are obvious: lower process costs, no waiting times, no payment mistakes. Not only the operators of canteens and restaurants but also the guests benefit from the quick and smooth procedure, which has not been possible before in this way. pabis makes it possible to cut the complexity of the payment procedure by up to 50% – at the same time as making the operation more convenient for the diner. The "intelligent porcelain" can also be linked to current goods scheduling systems, enabling the sold goods to be reordered and restocked quickly.

About the company

Bauscher based in Weiden in Germany's Upper Palatinate is a member of BHS tabletop AG, the world market leader for professional porcelain. The porcelain manufacturer developed and implemented pabis together with Idastec, a joint-venture company involving the Stuttgart engineering bureau, Deppert, and avus Services GmbH, a specialist for implementing and introducing cost-saving technologies in large-scale catering.

www.bauscher.de



smart-TEC GmbH & Co. KG, a company in the RATHGEBER Group based in Oberhaching, Munich, develops, produces and markets robust, durable RFID data chips that are designed for individual customers, suitable for use in industry, as well as being resistant to weather and temperature. The data chips for individual customers with integrated RFID technology are optimally adapted to the particular project requirements in terms of their material, design, shape, printing, chip technology, format and bonding properties.

www.smart-tec.com

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