

## Polyamide CoDeSys Touch Panel for Data Entry



Hermann Automationstechnik GmbH, with headquarters in Forbach near Karlsruhe, is a very dynamic family-owned company which was established in 1988 and founded by Udo Hermann. The core business is manufacturing customized special purpose machines suitable for automation tasks, as well as the production of industrial robots.

Since the company's foundation more than 250 systems have been delivered to customers in the automobile industry, machine building, and suppliers to the automobile industry, as well as to customers in the cosmetics industry.

Hermann Automationstechnik GmbH relies on products from Janz Automationssysteme AG because they offer a competent support from the development department, a constant contact person, as well as giving quick advice to technical questions regarding hardware and software development.

The systems support all Hermann's required interfaces and features (Dual-CAN, NVRAM; LAN) and at the same time Janz system's design fits perfectly in the robot control housings.

Another notable advantage is the full support of CoDeSys: a customized variation was specially created for Hermann, which enables the controlling of hardware that does not support CoDeSys.

Janz' panel system consists of a touch screen display (emVIEW) and an embedded PC (emPC-A400), which provides the plant user the maximum of information and ease of use.

Janz emVIEW series is an HMI family for industrial use. Hermann GmbH uses the emVIEW-8 and the emVIEW-12 in its applications.

These particular emVIEW systems are based on the embedded PC **emPC-A400** and are available in different display sizes. The display (with optional touchscreen) attaches to the emPC so the separated use of the display and the standalone emPC is also possible.

**emVIEW-12** (see picture) is equipped with a 12.1" SVGA LCD-Display and with a touch screen with a resolution of 800x600 and a luminance of 350 cd/m<sup>2</sup>. These HMI solutions are available with other controllers such as the emPC-A400 and offer a performance of 400 MHz and up to 128 MB RAM.

The devices come standard with one or two CAN interfaces so as to simply integrate existing networks. Additional interfaces are two 10/100 MBit/s Ethernet ports, USB and VGA. A compact flash card is used in these systems. The systems also have an extensive operation system support from Windows CE to Linux.

