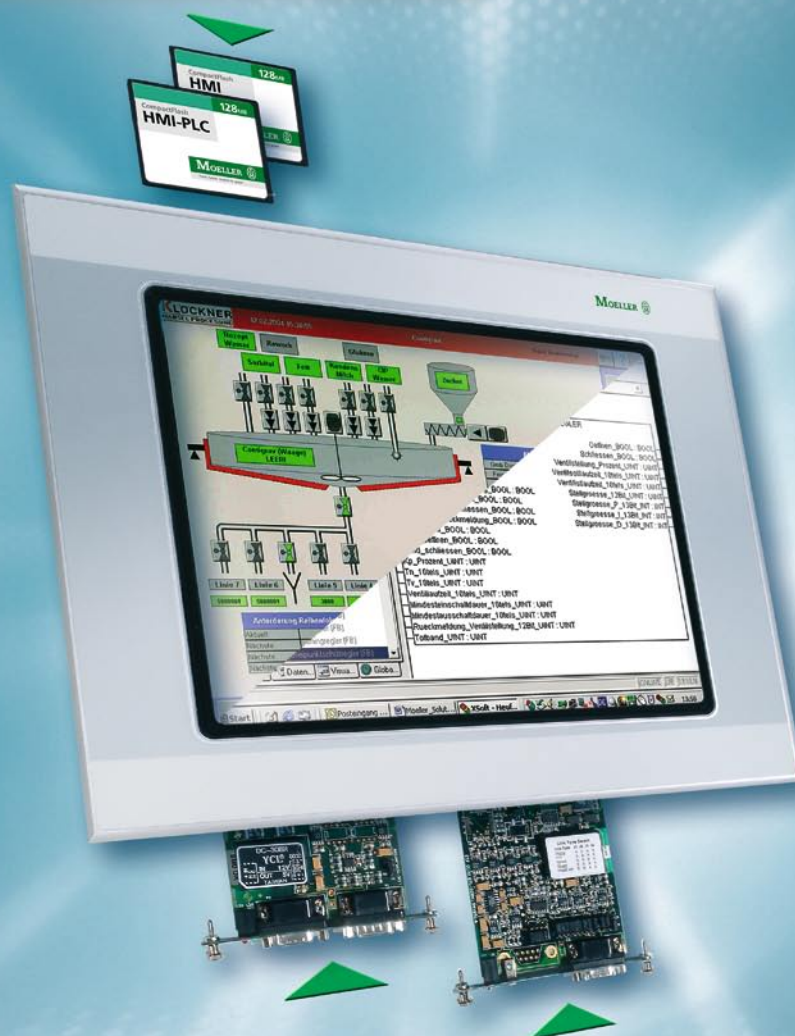
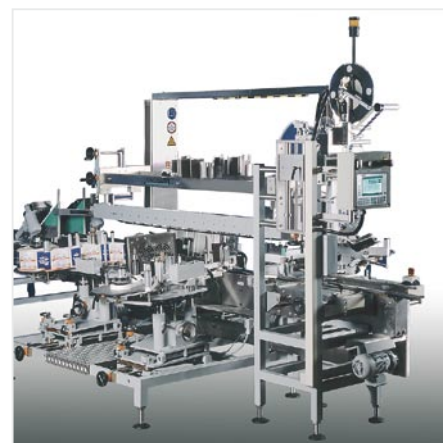


# XV400 Touch Display Devices Ideal for Labelling Machines



Machines manufactured by Langguth are as varied as the products which they can label: pails, canisters, tins, jars, bottles, paper bags or cartons. Langguth provides tailored solutions – from small semi-automatic machines to fully automatic systems. Wet or dry glues are used for labelling, and Langguth machines also process adhesive labels. As particular importance is placed on the user friendliness of a system, Langguth systems use Moeller's flexible and scalable XV400 touch display units which are easy-to-operate.



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## THE COMPANY

Langguth GmbH is based in Senden-Bösensell near Münster and was founded in 1932. Today Langguth produces labelling machines, pail handling systems for the paint, lacquer and chemical industry, as well as for companies from the food and drink sector. The machines are manufactured as custom made items and the present export share of 60 percent is increasing.

The XV400 touch display units from Moeller are based on one hardware platform with an interchangeable Compact Flash card that determines whether HMI or HMI-PLC functions are implemented. The required software function is simply added to the XV400 basic unit via the Compact Flash card. XV400 devices are available either as infra-red or resistive touch devices with 5.7" STN colour, 10.4" or 12.1" TFT colour displays. The infra-red touch screens also feature a scratch-proof safety glass front. The basic units come with a RISC-CPU (32-bit, 400 MHz) and integrated interfaces such as RS232, USB, Ethernet 10/100 MBit and CAN. Other interfaces such as Profibus DP or MPI can also be implemented by means of an optional communication card.

Moeller offers two functional versions – HMI or HMI-PLC – for all XV400 units, depending on the CompactFlash card used. The graphical configurator Galileo or the text-based XSoft-EPAM (EasyPageMachine) software is used for designing the HMI functions. Combined with XSoft Professional, the PLC programming software based on CoDeSys 3S, these produce two powerful versions for a multi-tasking capable HMI-PLC in compliance with IEC 61131-3.



The XV400 units are also available with one (5.7" devices) or two (10.4" and 12.1" devices) communication slots. Communication boards such as the multi-protocol board with MPI, Profibus DP master or slave, DeviceNet and others support a wide range of communication and networking options as required.

The configuration of container and label data on Langguth labelling machines is carried out automatically. The Moeller XV400 can manage recipes for around 200 products. The two slots for the CompactFlash cards make it possible to make a separation between operating system/function and data. Higher-level data acquisition via Ethernet can also be implemented, as well as automatic recipe downloads from SCADA systems.

XV400 supports languages with different character sets such as Chinese or Cyrillic. The use of the Windows CE operating system allows many functions of the operating system to be used for automation and visualization. Alfred Potthoff, head of the electrical engineering department at Langguth had this to say: "XV400 enables us to provide optimum financial and functional benefits thus ensuring even greater quality for our customers."

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