

Functions

Payment by cash

- Höft & Wessel coin handling
- Coin acceptance based on coin profile (physical dimensions)
- Up to six self-filling change magazines with temporary cash box function
- Up to three supplementary coin boxes
- Large cash box
- Full coin path supervision
- All cash containers suitable for any currency and electronic identification

Bank note handling

- Bank note systems of leading manufacturers integrated

Case

- Vandal-proof, weather-proof case of stainless steel
- Standard dimensions: 700 or 900 x 1550 x 450mm (W x H x D)
- Recessed vandal-proof door construction
- Replaceable aluminium front panel
- Integrated lighting unit
- Enclosed plinth
- Electronic lock over

Host computer (PC)

- Windows-NT based platform to meet complex demands on the sales application
- Support of multimedia-applications
- Industrial PC to current level of technology

Communication

- ISDN- and modem-connection
- Ticket machines linked online to control centre
- Connection of other suppliers for the sale of cinema and theatre tickets, for example
- Available either as plug-in PC card or intelligent module
- MT-Card (optional: PCMCIA drive)
- Use of the robust Höft & Wessel MT card as mobile data storage medium
- Memory card with standard chip card contact set (ISO 7816)
- Available either integrated in the host computer module or as separate drive

The choice of options and modules depends on the overall configuration chosen.

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The **almex.station** extends the successful range of Höft & Wessel products for passenger transport in the area of stationary ticket sales.



Modular design

The modular design brings considerable advantages to all variants of let it be touch or button operation. This proven Höft & Wessel technology yields future-safe solutions to meet today's requirements. Modifications and extensions can be achieved without difficulty. Both ticket machines are based on the Höft & Wessel modular concept.

All of the essential function groups of the machines are self-contained intelligent modules and are linked together by a common network. The central PC is released of controller work which results in a highly stable system architecture. The ticket machines can be quickly built to new customer requirements by combining standard modules. The modular concept therefore

satisfies both the requirement for individual solutions and economy. The use of standard interfaces simplifies servicing and guarantees the future safety of Höft & Wessel ticket vending machines.

Touch screen

The touch screen version is an attractive solution due to its universal suitability. The combination of high-resolution graphic screen and touch-sensitive user interface gives the user a degree of flexibility previously unmatched. Using HTML technology opens up new ways of user interface design and allows the integration of Internet applications such as time table etc. Changes to the offered product range can be implemented cheaply and quickly by online connection. The thermal printer module supports these new

possibilities. Fully graphics-capable printing permits a wide choice of ticket layouts on standard ticket paper. Even different kinds of paper can be used for the sale of cinema or theatre tickets.

The Höft & Wessel ticket vending-machines are ready for all forms of payment. All the popular methods of electronic payment as well as coin and banknotes, as required, are accepted. In addition to ec-Cash with PIN input and credit card payment, prepaid cards in the form of Geldkarte and PayCard and electronic ticket are all within the capabilities of the new generation of ticket machines from Höft & Wessel.

The touch screen developed by Höft & Wessel is absolutely vandal proofed and weather resistant.

Button operating

The Höft & Wessel modular technology is also used in the button-operated machine. The user interface consists of familiar control elements: fixed-function keys, decimal keypad and information panel. User guidance is provided by means of a TFT graphic display.



Now with an even smaller footprint!

A range of communications modules can be built into the Höft & Wessel ticket machines, for example, in order to provide an online connection to the operator's control centre. This capability opens up new possibilities: software updates, tariff system changes, special offers, current news or products from other suppliers are sent quickly and efficiently to the ticket machines. The operator has a choice of communications options from Ethernet or modem right through.

The security of the new ticket machines is not limited to a weather-proof, vandal-proof and theft-proof case. Service and cashing-up personnel are identified in seconds by means of electronic security keys which hold the staff member's identification as a key-fob (Höft & Wessel secure key). The machine is able to identify the staff member due to a uniquely defined code number and, depending on assignment to different user groups, authorise them for various service functions.

Finally, one more detail on the subject of economy. When using the touch screen version for cashless transactions with an online connection, on-the-spot servicing of the machines is reduced to changing the printer paper. Even this expense can be reduced to a minimum by introducing electronic tickets. This family of ticket vending machines therefore offers excellent cost effectiveness, especially when considering ongoing costs over a 10-year period.

As an option you may choose to a cabinet with a smaller footprint.

Operation

Touch screen LC display

- Generous 15"-TFT display
- High-resolution colour graphics 1.024 x 768 px

Touch Screen

- Touch-sensitive user interface
- Accuracy up to 1.024 x 768 px
- Vandal- and weather-proof
- Protected with safety glass

Buttons

LC display

- 10,5" TFT display
- TFT-technology for optimum readability
- Protected with safety glass

Softkeys

- 2 x 6 buttons, piezo technology

Decimal keypad

- Numeric keypad
- Vandal-proof aluminium keys

Information panel

- Flush integration in machine front
- Easily replaceable labelling

Technical data / modules

Ticket printing

- Thermal printer module
- Highly flexible graphics-capable thermal printer
- Resolution: 80 dots/cm
- Printing speed: up to 100 mm/sec
- Paper rolls:
 - 2 rolls of up to 300 mm diameter (approx. 5,000 IATA-tickets with a paper quality of 120 g/m²)
 - Type of paper used optional

- Paper width: 30 to 86 mm
- Paper quality: 80 to 140 g/m²
- Ticket length: 20 to 200 mm (IATA-format)

- Paper level sensor
- Paper path supervision
- Self-sharpening paper cutter
- Optional use of a second thermal printer module

Electronic payment

- Forms of payment - Depending on equipment level
- Prepaid-cards
 - Credit cards
 - Electronic ticket
 - ec-Cash with PIN input

Hybrid-card reader

- Card-in-the-slot reader, card remains visible during the process
- Reading and writing of chip cards to ISO 7816
- Reading of magnetic cards, tracks 1 to 3
- Vandal-proof metal card slot, fitted flush
- Easy access for cleaning purpose

PIN-pad

- PIN-pad-module with own display and keypad
- Vandal-protected version
- Integrated in machine front with privacy protection

Options

- Support of contactless cards
 - Contactless reader/writer interface
 - Dispenser
- Inbuilt camera
- Intercom