



# Smart Card Payment System For Espresso Machines

*The Schaerer Espresso Machine Model Ambiente and Euroca already have a smart card reader system built-in. This system allows the machines to operate in various vending modes:*

- Money Card System:** Money cards can be used as a cash-less vending application. Every time a product is dispensed, the system will debit the product price from the card. The cards can be loaded at the machine with the Load-Card. Different price levels can be programmed for each of the Money Cards (A-F) The Program-Card will allow access to all the vending sales statistics.
- Waiter Card System:** The machine can be configured so that it will only operate when a personal Waiter-Card is present in the card reader. The Program-Card will allow access to sales statistics for each Waiter-Card.
- Rental Card System:** The machines can be pre-loaded with an amount of cups to be dispensed or an amount of Coffee that has been delivered. The coffee machine supplier has full control over the machine. If the customer doesn't pay the rent or cup-financing or doesn't buy the coffee from the supplier, the machine will stop operating after the pre-determined amount.



*Various remote smart card systems can be incorporated to extend the functionality of operations for example to include other equipment such as vending machines or cash registers. The Remote Card Systems connects via CCI or RS232 interface. The remote smart card system is ideal to connect directly to the Schaerer model Ambiente-2, Opal and Siena espresso machines:*

## Remote Smart Card Readers

### Digital Card Reader / Valuator

Write / Read function, built in micro controller with flash memory for fast programming. Configuration is done on Windows PC and chip-card. The built in real time clock as well as its display - allows time related functions, such as access control on certain times, different prices at different times. Charging of cards directly in the reader with the Load Card. Among with its functionality this reader fulfils the most functions.

Typically used in conjunction with the Schaerer Opal and Siena models.

### Portable Card Loading Station

Probably the smallest chip card cash register available. Values can be stored or deducted from the smart cards. The unit can be connected to a thermal printer to print out bills. The same unit is also available as a handheld unit, driven by a 9 V battery, which makes its operation independent from power supply. This cash register is often used in internet café's or other public places.

Typically used as a remote mobile loading station for smart cards without the need of the loading card.

### Remote Coin Card Loading Station

The coin loader can be used remote to load cards or can be attached to all Schaerer models to operate the coffee machine in coin and card modes.

### Remote Card Loading Station with Bill Acceptor

If needed, we can supply a Remote loading station with an integrated Bill acceptor and with theft proofing.

## Remote Smart Card System



The smart card system can be programmed via MS-Windows compatible PC.

We can offer an endless list of smart card applications. Common applications are employee time card system, computer access control, office security, cash less register, vending machines, and off course coffee system control.

We have 3 standard coffee software applications available to date:

### Accounting

This software enables full control of the smart card system and the accounting system. Program product prices, load card amounts, enable cash systems, happy hour etc.



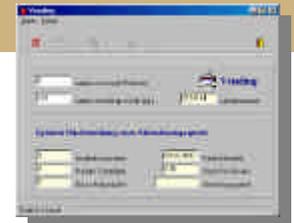
### Money Manager

Manage the Money-Cards and individual contact information. Also enables personal product preferences (such as blend, strength and cup size) to be loaded onto the cards.



### Vending

This system is used to pre-load a set amount of products or set amount of coffee into the coffee machines. The coffee machine will stop operating after the pre-loaded amount has expired.



### Chip Card Drive

Transfer data from PC to cards and then to coffee machines and card readers.

### Interface cable

Connect card reader to coffee machines.



### Smart Cards:

- Load Card
- Program Card
- Transfer Data Card
- Money Cards A-F
- Waiter Card