



SmartVend

Secure Delivery



The SDS (Secure Delivery System) is a control and reporting system that automates dispensing and tracking of small tools and consumable items in the workplace. SDS will replace the manned function of the tool crib attendant. It is designed to install in standard vending machines or in custom built secure storage and delivery machines for items that are not suitable for delivery through standard machines. It addresses the issues of restricting access exclusively to authorized users while creating records of use by each user.

SDS adds new parameters to the process of authorizing item delivery. Typical vending applications approve product delivery based only on payment of adequate money in an acceptable form. SDS authorizes product delivery only if the cardholder has adequate funds available and also is authorized to access the specific item or class of items.



The system uses the core technology of the QI SmartKit smart card payment system to authorize and record product delivery. It uses the standard QI SmartKit vending controller as the control module. The SDS system can operate either off-line or on-line to a host computer that maintains the system management database. The on-line system is simple because the account balance for the cardholder can be maintained in a host system, and all data transfer to the host system is via real time serial data communication. For off-line operation, stored value cards and card reload facilities are required. For on-line operation, the cards can be simple memory cards used only as secure ID badges.

SDS works with any modern vending machine, allowing for endless applications for tracking items such as industrial shop supplies, industrial tools, drugs and pharmaceutical supplies, printer cartridges and office supplies, or any other small items that require careful monitoring.

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