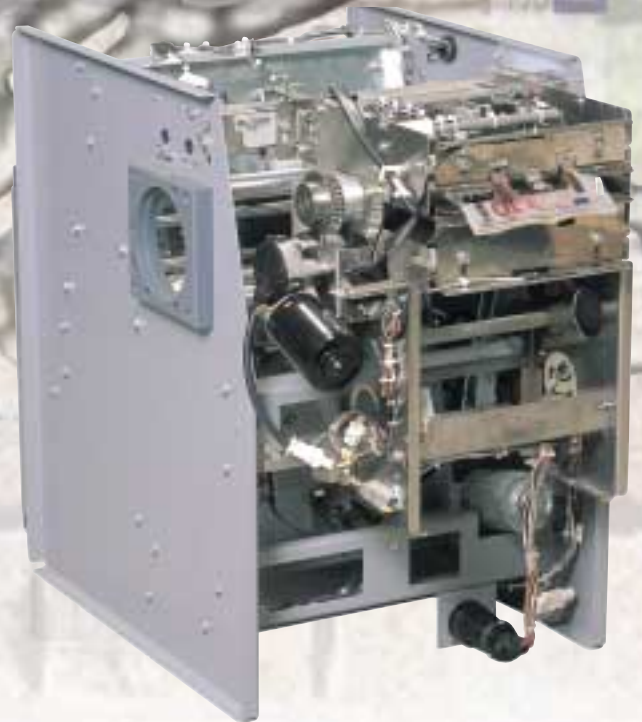


A new concept, an original solution to protect bank branches

Teletube Remote Notes Feeder



Teletube Local Notes Extractor



Teletube[®] RNF-LNE system
INTERNATIONAL



c.p. bourg

S.A.
N.V.



Today's bank branches are keen to receive their customers in a welcoming, friendly and open environment.

In many cases a lobby or self-service area is accessible to the customers for performing certain transactions at any time of the day.

Unfortunately the Automatic Cash Dispensers also attract well organised robbers.

In order to avoid this kind of robbery it makes good sense to remove the temptation.

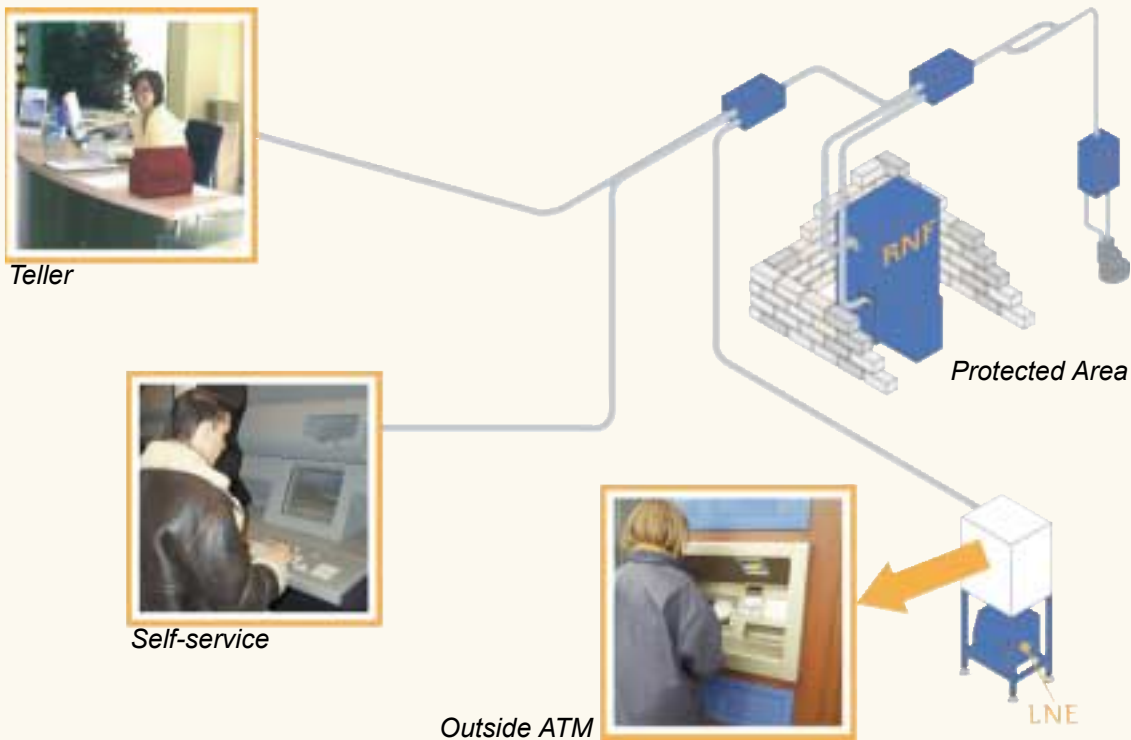
That is precisely the objective of our **Remote Notes Feeder** and **Local Notes Extractor**.

The RNF-LNE is designed to forward the exact amount of money requested to any teller or ATM in the lobby or "through-the-wall".

In addition it allows the teller to dispatch to the back office any deposits received, in order to avoid any cash in the open customer area.

The RNF-device, located in the protected area of the bank is linked by tube to:

- One or more working posts, e.g. teller stations or consultation rooms where employees or advisors receive the money to be handed over to the customer, or evacuate incoming deposits.
- One or more LNE-devices placed behind one or more ATM's in the self-service area where the customer can withdraw money with his personal bank-card.
- One or more LNE-devices placed behind one or more ATM's available at streetside "through-the-wall" for any bank-card user.



Remote Notes Feeder - RNF



RNF with cash-dispenser
4 drawers + reject drawer



Stockpile RNF-shuttles



Banknote-bundle in RNF-shuttle loading



Shuttle loaded with money



Local Notes Extractor - LNE

The Teletube RNF/LNE system is composed of:

- The RNF:

- A storage unit for the shuttle.
- A device to position and open the shuttle.
- An interface to load the banknote bundle.
- A device to send the loaded shuttle.
- A device to receive empty shuttles.
- An automatic Cash Dispenser.*

- The LNE:

- A device to receive the loaded shuttles.
- A device to position and open the shuttle.
- An interface to extract and forward the banknote-bundle (horizontally, long side presented).
- A device to send back empty shuttles.

- A pneumatic tube system to link all devices.

* The cash-dispenser which feeds the RNF is provided with 2 to 8 drawers, and delivers the banknotes horizontally, long side towards the shuttle.

How the system works:

- At its startup the system puts a first carrier in waiting position, ready for the first transaction.
- At any accepted withdrawal the cash dispenser counts the requested amount and presents the bundle for transmittal.
- Interface which takes the bundle of banknotes and places them in the shuttle.
- The carrier is dispatched at high speed to the requested destination (ATM or the teller station). (As soon as one shuttle leaves, another takes its place, ready for departure).
- The shuttle arrives at the LNE, is positioned towards the interface and opened.
- The interface takes the banknote bundle and presents it to the requesting person.
 - The empty shuttle returns to the RNF-shuttle storage.
 - In the event of a customer forgetting to take his banknotes, the money is returned to the safe area into a purge station. This procedure with forgetful customers can be repeated without interruption to the system until all shuttles are used up. Shuttles with “retracted” money can be emptied and put back manually in the system at any time.
 - For security purposes the travel time of each shuttle is closely monitored. Any anomaly is registered and evaluated by the operating PC, which can decide to shut down the system if necessary.



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Main benefits of the Teletube RNF/LNE system:

- **Security:**
 - No cash in the public zone or easily accessible area.
 - Loading or refill of cash drawers centralised in one single protected area.
 - Speedy evacuation of cash-deposits to protected area.
- **Savings:**
 - One single cash-dispenser provides for several cash points.
 - Less "tied-up" capital per bank branch.
 - One single protected area for loading cash drawers.
 - Major savings in respect of all kinds of safety devices such as:
 - armoured doors with time-locks,
 - security doors,
 - cash dispenser safe-boxes,
 - reinforced anchoring of through-the-wall ATM's,
 - all types of alarm systems,
 - cameras and CCTV recorders,
 - cassettes with programmed ink staining.
 - Considerable commercial space saving.
- **Operational autonomy:**
 - Cassettes change and loading in protected area at all times.
 - Using incoming cash deposits in permanent recycling.

Technical characteristics:

- Storage capacity: 6 carriers.
- Shuttle capacity: 100 banknotes (ATM quality).
- Maximum dimensions of the banknotes: length 156mm - height 82mm (85mm maximum 20 banknotes).
- Duration of an operation: \pm 20 seconds depending on distance (not including time for checking computerised data).
- Equipment dimensions:

	RNF	LNE
length	900 mm	455 mm
height	1666 mm	655 mm
depth	490 mm	800 mm
weight	95 kg	48 kg
- Shuttle travelling speed: 5 to 6m/sec.
- Cadence of operations: 3 to 5 per minute depending on configuration and number of blowers.
- Power supply: 85 - 264 VAC 50/60 Hz.
- Interface serial type RS-232 in accordance with V.24 and EIA RS-232-C standards.
- Option: Connectivity with all "open network architectures".



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