

## Banknote Recycler MEI-BNR4-XX

- One machine to accept and provide banknote change
- Unique loader cassette
- Modular design with flexible architecture

MEI-BNR4-21



### SECURE NOTE RECYCLING ACHIEVES CASH MANAGEMENT EFFICIENCY

In the world of automated cash handling, money flows from the consumer to the operator's accounts in an expensive and inefficient process. Activities associated with loading, emptying and reconciling cash drives labor costs, exposure to loss and increased downtime. Float, CIT, bank security and accounting costs all take a toll on a business's bottom line. Now, MEI offers an innovative solution to these challenges with the BNR (Bank Note Recycler).

#### Lower cash handling costs

- with cash recycling and best change algorithms
- > Start up float is reduced up to 90%
  - > Less banknotes to handle and to count up to 50%
  - > Less frequent money collection
  - > Less money sleeping in TVMs (Float)
  - > Much less coin change

#### Improved Security

- with closed loop cash system, which means unauthorized personnel do not have access to cash
- > Lockable & removable loader cassette
  - > Check money from loader
  - > Lockable & removable cashbox
  - > Interlock modules mechanism
  - > Advanced recognition technology
  - > Metal inlet for unprotected environment

#### Future proof

- with modular design, which allows to invest in BNR basic configuration first, and later to upgrade with modules according to specific needs
- > Basic design with one dual recycling module (2 banknote denominations)
  - > Optional second dual recycling module (4 banknote denominations in total)
  - > Optional loader cassette
  - > Easy maintainability with removable modules

#### Transport applications

- with MEI-BNR banknote recycler
- > Ticket Vending Machines for Public Transport
  - > Pay-on-Foot machines for Parking
  - > Toll Road Automatic lanes
  - > Self-service ticketing systems

# Modular Banknote Recycler



## Main Module

- Accepts banknotes lengthwise in 4 ways, stacks and provides best change
- Customer friendly, high speed and high security acceptance
- Escrows up to 15 banknotes to deliver same cash back to customers in case of cancellation
- Pays out in bundles of up to 15 banknotes
- Stainless steel or plastic inlet versions



## Cashbox

- Lockable, removable and durable cashbox
- Up to 600 note\* capacity
- Stores non-recycled banknotes, overflow and end of day cash
- Electronic memory for ID and content



## Loader Cassette

- Up to 300 note\* capacity for start up loading or negative float
- Lockable & removable
- Electronic memory for ID and content
- Adjustable replenish float level of recycler



## Dual Recycler Modules (one or two)

- Each lockable dual recycler Module has one 30 note\* and one 60 note\* recycler
- MEI-BNR4 can have 2 dual recycler modules to recycle 4 denominations
- Software configurable to customize unit to application (free choice of denomination)

\* = "Street money", depending on banknote type, conditions



## Metal Inlet (unprotected environment)

- Strong resistant stainless steel inlet
- Mounted on the door/front panel
- Banknote Recycler to fit into centering guide
- Dimension: H x W x D 162 x 160 x 31 mm
- Weight 1.5 kg



## Plastic Inlet (optional)

- Integrated to the banknote recycler main module

# Technical Specifications

## Product Types

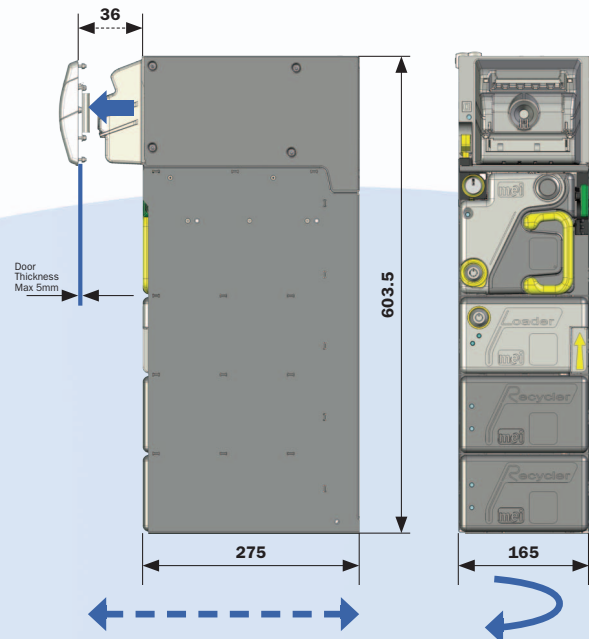
- MEI-BNR4-21S: 2 RE, 1 LO, Metal inlet
  - MEI-BNR4-11S: 1 RE, 1 LO, Metal inlet
  - MEI-BNR4-20S: 2 RE, Metal inlet
  - MEI-BNR4-10S: 1 RE, Metal inlet
- RE = Dual Recycler Module (i.e. 2 denominations each), LO = Loader cassette

## Specifications

- Banknote size: 60-83 mm wide & 120-182 mm long
- Global currency, national and mixes configurable by SW
- Modular from 2 to 4 denominations
- Power supply 24VDC (-10% +20%) 0.5A standby, 10A peak
- Interface USB 1.1, 12Mb/s
- Datalink Protocol: USB, Dialogue: BNR-XFS
- Software Development Kit (BNR SDK)
- API for Win32, .NET, Linux and Java
- Remote software upgrades for note sets & firmware
- Weight: Complete Product 25.7 kg, Cashbox 1.6 kg, Loader 2.0 kg

## Dimensions and mounting recommendation

- Cut-outs in the host machine door: 130 x 130 mm (same as Sodeco BNA500 series)
- Metal inlet fixed on the door/front panel
- MEI-BNR mounted on bottom slides guides with rotation plate for easy maintenance by front or rear access



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