

Mass Coin Deposit Module (OEM-Type)

CCM-D



Novotech's OEM Mass Coin Deposit module CCM-D is used for the integration to master ATM systems, side-cars or stand-alone deposit systems. It is the very first system that provides full hardware redundancy. Therefore CCM-D is an innovative solution for real 24 hours-operation in self-service environments. Core technology is the so-called 'Vertical Coin Conveying' system that delivers two benefits: First, there is maximum robustness against any foreign solid body through its patented vertical coin segregation. Second, the module offers highest coin recognition, which is made sure by two sensors (optical & electronic) part of the all new sensor NT_ACCEPT 2.0).

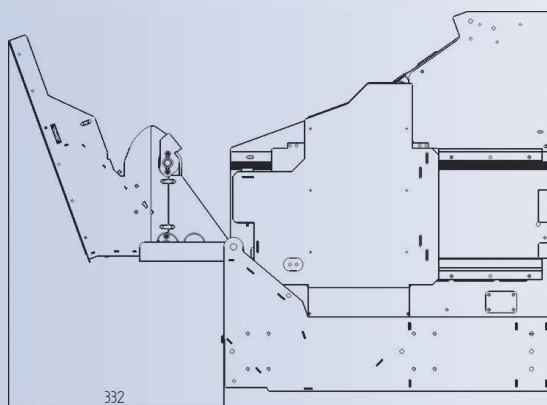
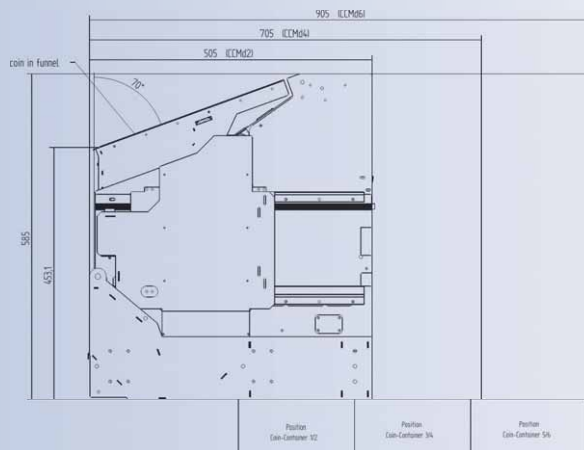
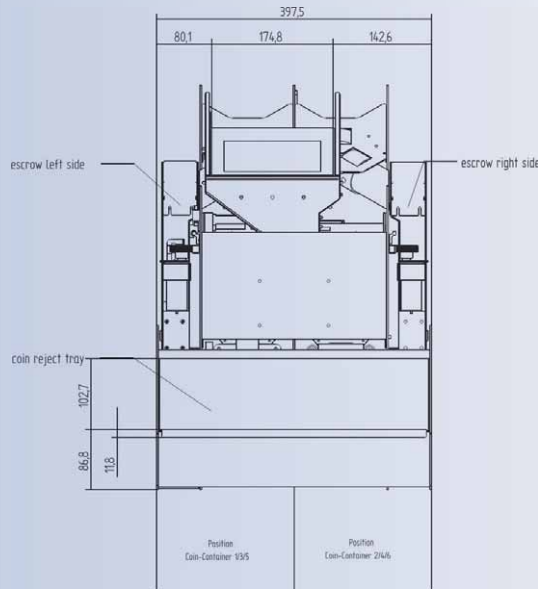
- 1 PATENTED VERTICAL COIN CONVEYING OFFERS MAXIMUM RELIABILITY
- 2 FIRST FULL-REDUNDANT COIN SEGREGATION
- 3 WORLDS NO. 1 ROBUSTNESS AGAINST FOREIGN SOLID BODIES
- 4 FALSE & FOREIGN COIN RECOGNITION CERTIFICATED BY ECB BANKS
- 5 UPGRADEABLE TO ART. 6. EC 1338/2001
- 6 EXTREME COMPACT DIMENSIONS



The patented 'Vertical Coin Conveying' provides maximum robustness against foreign solid bodies because of non chaotic coin segregation which works against gravity. There is an upgrade-option for coin treatment according to Art. 6. EC 1338/2001.

The optoelectric sensors for coin recognition of the all new NT_ACCEPT 2.0 identify 100% of all present counterfeit coins according to European Union's OLAF. To a certain extend, it also includes the examination of thickness and knurling of the coin. In addition, there is a electro-magnetic alloy scanning.

Drawing CCM-D



Operating Method of Coin Segregation Redundancy

Once coins are inserted into the automatic insert shutter they are conveyed into the funnel where the coins are segregated through means of the so-called vertical conveying. In case of a blockage of one of the two vertical conveyors the built-in redundancy bypass bay diverts the coins to the other conveyor. Residual coins in the jamming conveyor are returned to the customer. Then, the system continues its counting with just one remaining conveyor until the banking staff or the service technician will arrive. This redundancy operation may increase the total system availability factor by 1 to 2% approximately.

Technical Data

- 1 Number of vertical conveyors
- 2 Counting Speed
- 3 Escrow Capacity
- 4 Capacity coin insert funnel
- 5 Number of coin filling containers
- 6 Coin dimensions
- 7 Autom. sensor-cleaning system
- 8 Voltage
- 9 Power Consumption
- 10 Connection
- 11 Dimensions (W x D x H)
- 12 Weight (approx.)
- 13 Software included

CCM-D

- 1 2 conveyors
- 2 < 1.000 coins per minute
- 3 < 2 x 1.200 coins (2 x 5 kg approx) *
- 4 < 1.000 coins (4,5 kg approx) *
- 5 4 / 6 containers
- 6 Diameters from 16 to 32 mm
Thickness between 1,25 to 4 mm
- 7 compressed air > 6 bar for cleaning coin recognition sensors
- 8 24 V
- 9 150 W
- 10 RS 232 / USB
- 11 398 x 905 x 585
- 12 60 kg
- 13 Licensed XML-layer, Firmware, component engines, teach- and service tool, EUR coin recognition software, other currencies licenses available.

* EURO-coin mix

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