

Mainz, 16.10.2024

### **List of coin validation devices**

Alongside coin processing and coin acceptance devices for professional use by parties subject to Regulation (EU) No 1210/2010 and section 36 of the Bundesbank Act, the Deutsche Bundesbank also tests – at the request of the manufacturer – coin validators, coin modules, cash-recycling-machines (CRM/retail) and customer-operated deposit devices (type 1, retail) designed for other purposes.

The test results are valid for two years from the issue date (test date).

#### **Important:**

The coin validators, coin modules and customer-operated deposit devices (type 1, retail) listed here are not subject to Regulation (EC) No 1338/2001 or Regulation (EU) No 1210/2010. They were tested at the request of the manufacturer. The devices put forward by the manufacturers were assessed only in terms of whether they were able to reliably detect the counterfeit euro coins most frequently removed from circulation at the time of testing. Please note that this publication does not constitute a purchase recommendation on the part of the Bundesbank.

The list of successfully tested coin processing machines pursuant to Regulation (EU) No 1210/2010 can be accessed via [www.bundesbank.de](http://www.bundesbank.de) => Tasks => Cash management => Cash recycling => Cash processing systems.

**I. List of coin validation devices successfully tested by the Bundesbank**

List I shows coin validators, coin modules, cash-recycling-machines (CRM/retail) and customer-operated deposit devices (type 1, retail) that have successfully passed a test in detecting counterfeit euro coins.

ID	MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TEST DATE
1	Crane Payment Inovations GmbH	v <sup>2</sup> - colibri		92.00.509	MFT	coin validator	04.05.2023
2	Diebold Nixdorf Systems GmbH	CM3 Modul	CM3S	XML Server Version 2	Conveyor CM3	Module	08.05.2023
3	HESS Cash Systems GmbH	TopCoin	TopCoin 500	V2.30	HESS Sensor V3	Module	16.11.2023
4	HESS Cash Systems GmbH	TopCoin	TopCoin 500	V2.40	HESS Sensor V3	Module	16.11.2023
5	Asahi Seiko Co., Ltd.	CR-8100	CRF-8EUR	CRSB_EU_V01.12	CRSB	CRM-Retail	18.07.2024
6	Asahi Seiko Co., Ltd.	CR-8000V	CR-8000V (8EUR)	CRSB2_EU3_V01.06	CRSB2	CRM-Retail	18.07.2024
7	Asahi Seiko Co., Ltd.	CR-8300	CR-8300 (8EUR)	CRWB_EU_V01.02	CRWB	CRM-Retail	18.07.2024
8	PREMA Cash Handling Systems	Versomat Coin		3.80	MD2	CDM1	24.07.2024

\* CDM1 = Coin Deposit Machine Type 1 (Rejects suspect coins)  
CRM-Retail = Cash Recycling Machine – Retail (Rejects suspect coins)

ID	MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TEST DATE
9	PREMA Cash Handling Systems	CoinMaster CC		4.20	MD3	CDM1	24.07.2024
10	Paycomplete	CDS-9		5	Sensor V2	CDM1	29.08.2024
11	Paycomplete	CDS-9		9	Sensor V4	CDM1	29.08.2024
12	Paycomplete	CAM 200		2, 3, 4 and 5	Sensor V2	Module	29.08.2024
13	Paycomplete	CAM 208		2, 3, 4 and 5	Sensor V2	Module	29.08.2024
14	Paycomplete	CAM 408		9	Sensor V4	Module	29.08.2024
15	Multi Cash Automation GmbH	MSS	MSS basic 14	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	05.09.2024
16	Multi Cash Automation GmbH	MSS	MSS 14 sort	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	05.09.2024
17	Multi Cash Automation GmbH	MSS	MSS basic 14	V04.00.00.22	MC-CSENSE-22	CDM1	05.09.2024
18	CT Coin A/S	Compac	01	20191018	20081220	Module	26.09.2024
19	CT Coin A/S	OEM basic		20191018	20081220	Module	26.09.2024

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CRM-Retail = Cash Recycling Machine – Retail (Rejects suspect coins)

ID	MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TEST DATE
20	CT Coin A/S	Basic	Basic 01 SC	2.4.0/ZDRVG	20081300	Module	26.09.2024
21	CT Coin A/S	Compac	Compac 01 SC	2.4.1/ZDRVG	20081300	Module	26.09.2024
22	South Automation Int. GmbH	Module M104		M19.02	cashDNA M V2	Module	15.10.2024

**Please note: See next page for the list of devices declared to conform**

\* CDM1 = Coin Deposit Machine Type 1 (Rejects suspect coins)  
CRM-Retail = Cash Recycling Machine – Retail (Rejects suspect coins)

## II. List of devices declared to conform

List II contains devices that have been declared by the manufacturer to conform with a tested device. By submitting a declaration of conformity, the manufacturer provides their assurance that the software, hardware, and essential components used for coin processing are identical to those used in the device tested by the Bundesbank (List I).

MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TESTED MACHINE (ID)
Diebold Nixdorf Systems GmbH	CM3 Modul	CM3D	XML Server Version 2	Conveyor CM3	Module	2
Asahi Seiko Co., Ltd.	CR-8000V	CR-8000V (8EUR)	CRSB_EU_V01.12	CRSB	CRM-Retail	5
Diebold Nixdorf Systems GmbH	CRL / iCASH	CRA-8EUL / iCASH15E	CRSB_EU_V01.12	CRSB	CRM-Retail	
Diebold Nixdorf Systems GmbH	iCASH	iCASH65	CRSB_EU_V01.12	CRSB	CRM-Retail	
Asahi Seiko Co., Ltd.	CR-8500V	CR-8500V (8EUR)	CRSB2_EU3_V01.06	CRSB2	CRM-Retail	6
Asahi Seiko Co., Ltd.	CR-8100	CRF-8EUR	CRSB2_EU3_V01.06	CRSB2	CRM-Retail	
Diebold Nixdorf Systems GmbH	CRL / iCASH	CRA-8EUL / iCASH15E	CRSB2_EU3_V01.06	CRSB2	CRM-Retail	
Diebold Nixdorf Systems GmbH	iCASH	iCASH65	CRSB2_EU3_V01.06	CRSB2	CRM-Retail	

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CRM-Retail = Cash Recycling Machine – Retail (Rejects suspect coins)

MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TESTED MACHINE (ID)
PREMA Cash Handling Systems	PREMA 405	405 F MD2 CN	3.80	MD2	CDM1	8
PREMA Cash Handling Systems	PREMA 405	405 F MD2 CN DC1/DC2	3.80	MD2	CDM1	
PREMA Cash Handling Systems	PREMA 605	605 F MD2 CN	3.80	MD2	CDM1	
PREMA Cash Handling Systems	PREMA 605	605 F MD2 CN DC1/DC2	3.80	MD2	CDM1	
PayComplete	CDS-820i		5	Sensor V2	CDM1	10
PayComplete	CDS-820j		5	Sensor V2	CDM1	
PayComplete	CDS-9L		5	Sensor V2	CDM1	
PayComplete	CDS-9L		9	Sensor V4	CDM1	11
Paycomplete	CAM 300		2, 3, 4 and 5	Sensor V2	Module	12
Paycomplete	CAM 308		2, 3, 4 and 5	Sensor V2	Module	13
Paycomplete	CAM 400		9	Sensor V4	Module	14

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CRM-Retail = Cash Recycling Machine – Retail (Rejects suspect coins)

MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TESTED MACHINE (ID)
Multi Cash Automation GmbH	MSS	MSS 21	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	15
Multi Cash Automation GmbH	OptiCoin	OptiCoin 14	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	OptiCoin	OptiCoin DNS	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	OptiCoin	OptiCoin 14 RL	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	OptiCoin	OptiCoin 15 Escrow	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	MSS	MSS basic Escrow	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	SideCar	SideCar basic	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	SideCar	SideCar basic plus	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	SideCar	SideCar slim DNS	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	MSS	MSS micro	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	MSS	MSS nano	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	

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MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TESTED MACHINE (ID)
Diebold Nixdorf Systems GmbH	DN Series Coin Sidecar	CM4	V03.x	MC-CSENSE-14 / Gen 3	CDM1	15
Multi Cash Automation GmbH	OEM basic 14	OEM basic 14	V03.00.01.01	MC-CSENSE-14 / Gen 3	Module	
Multi Cash Automation GmbH	OEM basic 14 Escrow	OEM basic 14 Escrow	V03.00.01.01	MC-CSENSE-14 / Gen 3	Module	
Multi Cash Automation GmbH	Counting Unit 20	Counting Unit 20	V03.00.01.01	MC-CSENSE-14 / Gen 3	Module	
Multi Cash Automation GmbH	MSS	MSS sort 21 OEM	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	16
Multi Cash Automation GmbH	MC CC	MC CC	V03.00.01.01	MC-CSENSE-14 / Gen 3	CRM Retail	
Multi Cash Automation GmbH	OEM sort 21	OEM sort 21	V03.00.01.01	MC-CSENSE-14 / Gen 3	Module	
Multi Cash Automation GmbH	MSS	MSS 21	V04.00.00.22	MC-CSENSE-22	CDM1	17
Multi Cash Automation GmbH	OptiCoin	OptiCoin 14	V04.00.00.22	MC-CSENSE-22	CDM1	
Multi Cash Automation GmbH	OptiCoin	OptiCoin 14 RL	V04.00.00.22	MC-CSENSE-22	CDM1	
Multi Cash Automation GmbH	OptiCoin	OptiCoin 15 Escrow	V04.00.00.22	MC-CSENSE-22	CDM1	

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MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TESTED MACHINE (ID)
Multi Cash Automation GmbH	OptiCoin	OptiCoin DNS	V04.00.00.22	MC-CSENSE-22	CDM1	17
Multi Cash Automation GmbH	MSS	MSS basic Escrow	V04.00.00.22	MC-CSENSE-22	CDM1	
Multi Cash Automation GmbH	SideCar	SideCar basic	V04.00.00.22	MC-CSENSE-22	CDM1	
Multi Cash Automation GmbH	SideCar	SideCar basic plus	V04.00.00.22	MC-CSENSE-22	CDM1	
Multi Cash Automation GmbH	SideCar	SideCar slim DNS	V04.00.00.22	MC-CSENSE-22	CDM1	
Multi Cash Automation GmbH	MSS	MSS micro	V04.00.00.22	MC-CSENSE-22	CDM1	
Multi Cash Automation GmbH	MSS	MSS nano	V04.00.00.22	MC-CSENSE-22	CDM1	
Multi Cash Automation GmbH	OEM basic 14	OEM basic 14	V04.00.00.22	MC-CSENSE-22	Module	
Multi Cash Automation GmbH	OEM basic 14 Escrow	OEM basic 14 Escrow	V04.00.00.22	MC-CSENSE-22	Module	
Multi Cash Automation GmbH	Counting Unit 20	Counting Unit 20	V04.00.00.22	MC-CSENSE-22	Module	
CT Coin A/S	Compac	05	20191018	20081220	Module	18

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MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TESTED MACHINE (ID)
CT Coin A/S	Compac	08	20191018	20081220	Module	18
CT Coin A/S	OEM basic	01	20191018	20081220	Module	19
CT Coin A/S	OEM basic	05	20191018	20081220	Module	
CT Coin A/S	OEM basic	09	20191018	20081220	Module	
CT Coin A/S	OEM basic	22	20191018	20081220	Module	
CT Coin A/S	Delta	01	20191018	20081220	Module	
CT Coin A/S	Delta	05	20191018	20081220	Module	
CT Coin A/S	Delta	09	20191018	20081220	Module	
CT Coin A/S	Delta	22	20191018	20081220	Module	
CT Coin A/S	OEM CDS	01	20191018	20081220	Module	
CT Coin A/S	OEM CDS	09	20191018	20081220	Module	

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MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TESTED MACHINE (ID)
CT Coin A/S	OEM CDS	28	20191018	20081220	Module	19
CT Coin A/S	Basic	Basic 05 SC	2.4.0/ZDRVG	20081300	Module	20
CT Coin A/S	Basic	Basic 09 SC	2.4.0/ZDRVG	20081300	Module	
CT Coin A/S	Basic	Basic 22 SC	2.4.0/ZDRVG	20081300	Module	
CT Coin A/S	Compac	Compac 05 SC	2.4.1/ZDRVG	20081300	Module	21
CT Coin A/S	Compac	Compac 08 SC	2.4.1/ZDRVG	20081300	Module	
CT Coin A/S	Compac	Compac 22 SC	2.4.1/ZDRVG	20081300	Module	
CT Coin A/S	Compac	Compac 09 Straight	2.4.1/ZDRVG	20081300	Module	
South Automation Int. GmbH	Module M102		M19.02	cashDNA M V2	Module	22
South Automation Int. GmbH	Module M109		M19.02	cashDNA M V2	Module	

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