

Mainz, 11.03.2024

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 => 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	wh Münzprüfer	EMP 500 v7		7.80.50	MS 2	coin validator	29.06.2022
2	wh Münzprüfer	EMP 800 v7		7.80.50	MS 2	coin validator	29.06.2022
3	wh Münzprüfer	EMP 900 v7		7.80.50	MS 2	coin validator	29.06.2022
4	Asahi Seiko Co., Ltd.	CR-8100	CRF-8EUR	CRSB_EU_V01.10	CRSB	CRM-Retail	21.07.2022
5	Asahi Seiko Co., Ltd.	CR-8100	CRF-8EUR	CRSC_EU_V01.07	CRSC	CRM-Retail	21.07.2022
6	Diebold Nixdorf Systems GmbH	CRL / iCASH	CRA-8EUL / iCASH15E	CRSB_EU_V01.10	CRSB	CRM-Retail	21.07.2022
7	Diebold Nixdorf Systems GmbH	CRL / iCASH	CRA-8EUL / iCASH15E	CRSC_EU_V01.07	CRSC	CRM-Retail	21.07.2022
8	PREMA Cash Handling Systems	Versomat Coin		3.80	MD2	CDM1	11.08.2022

* 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	Multi Cash Automation GmbH	MSS	MSS basic 14	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	22.09.2022
10	Multi Cash Automation GmbH	MSS	MSS 14 sort	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	22.09.2022
11	Multi Cash Automation GmbH	MSS	MSS basic 14	V04.00.00.22	MC-CSENSE-22	CDM1	22.09.2022
12	Multi Cash Automation GmbH	MSS	MSS 14 sort	V04.00.00.22	MC-CSENSE-22	CDM1	22.09.2022
13	CT Coin A/S	Compac	01	20191018	20081220	Module	27.09.2022
14	CT Coin A/S	OEM basic		20191018	20081220	Module	27.09.2022
15	CT Coin A/S	SMARTconcept	Basic 01 SMART	SF-1.3.1/SC-E2209	20081300	Module	27.09.2022
16	CT Coin A/S	SMARTconcept	Compac 01 SMART	SF-1.3.1/SC-E2209	20081300	Module	27.09.2022
17	Crane Payment Innovations GmbH	v ² - colibri		92.00.509	MFT	coin validator	04.05.2023
18	Diebold Nixdorf Systems GmbH	CM3 Modul	CM3S	XML Server Version 2	Conveyor CM3	Module	08.05.2023
19	HESS Cash Systems GmbH	TopCoin	TopCoin 500	V2.30	HESS Sensor V3	Module	16.11.2023

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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	HESS Cash Systems GmbH	TopCoin	TopCoin 500	V2.40	HESS Sensor V3	Module	16.11.2023

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

* CDM1 = Coin Deposit Machine Type 1 (Rejects suspect coins)
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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)
Asahi Seiko Co., Ltd.	CR-8000V	CR-8000V (8EUR)	CRSB_EU_V01.10	CRSB	CRM-Retail	4
Asahi Seiko Co., Ltd.	CR-8500V	CR-8500V (8EUR)	CRSB_EU_V01.10	CRSB	CRM-Retail	
Asahi Seiko Co., Ltd.	CR-8000V	CR-8000V (8EUR)	CRSC_EU_V01.07	CRSC	CRM-Retail	5
Asahi Seiko Co., Ltd.	CR-8500V	CR-8500V (8EUR)	CRSC_EU_V01.07	CRSC	CRM-Retail	
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	

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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	9
Multi Cash Automation GmbH	OptiCoin	OptiCoin 14	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	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	OEM	OEM basic 14	V03.00.01.01	MC-CSENSE-14 / Gen 3	Module	
Diebold Nixdorf Systems GmbH	DN Series Coin Sidecar	CM4	V03.x	MC-CSENSE-14 / Gen 3	CDM1	
Multi Cash Automation GmbH	MSS	MSS sort 21	V03.00.01.01	MC-CSENSE-14 / Gen 3	CDM1	10
Multi Cash Automation GmbH	OEM	OEM sort 21	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	

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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	MC CC	MC CC	V03.00.01.01	MC-CSENSE-14 / Gen 3	CRM-Retail	10
Multi Cash Automation GmbH	MSS	MSS 21	V04.00.00.22	MC-CSENSE-22	CDM1	11
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	
Multi Cash Automation GmbH	OptiCoin	OptiCoin DNS	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	OEM	OEM basic 14	V04.00.00.22	MC-CSENSE-22	Module	
Multi Cash Automation GmbH	MSS	MSS sort 21	V04.00.00.22	MC-CSENSE-22	CDM1	
Multi Cash Automation GmbH	OEM	OEM sort 21	V04.00.00.22	MC-CSENSE-22	Module	

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MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TESTED MACHINE (ID)
Multi Cash Automation GmbH	Counting Unit 20	Counting Unit 20	V04.00.00.22	MC-CSENSE-22	Module	12
Multi Cash Automation GmbH	MC CC	MC CC	V04.00.00.22	MC-CSENSE-22	CRM-Retail	
CT Coin A/S	Compac	05	20191018	20081220	Module	13
CT Coin A/S	Compac	08	20191018	20081220	Module	
CT Coin A/S	OEM basic	01	20191018	20081220	Module	14
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	09	20191018	20081220	Module	

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MANUFACTURER NAME	MACHINE NAME	MODEL	SOFTWARE VERSION	SENSOR	TYPE*	TESTED MACHINE (ID)
CT Coin A/S	Delta	22	20191018	20081220	Module	14
CT Coin A/S	OEM CDS	01	20191018	20081220	Module	
CT Coin A/S	OEM CDS	09	20191018	20081220	Module	
CT Coin A/S	OEM CDS	28	20191018	20081220	Module	15
Diebold Nixdorf Systems GmbH	CM3 Modul	CM3D	XML Server Version 2	Conveyor CM3	Module	18

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