



NATIONAL BANK OF THE REPUBLIC OF MACEDONIA



Banknotes Department

Skopje, 3 May 2017

List of successfully tested machines


I. Banknotes processing machines

1. Machines operated by bank clients



No.	Manufacturer	Machine type	Machine name	Software	Denominations processed	Date of testing	
1.	Wincor Nixdorf		CIM	Cineo - C2xxx	XSAAMKD0203.CDT	all banknotes MKD	03.03.2017
2.	Diebold Nixdorf		CRMs	Cineo - C4xxx	MOVE_CWAA_MKD_1002.CDF	all banknotes MKD except 200 and 2000 denars	10.03.2017

2. Machines operated by trained workers

No.	Manufacturer		Machine type	Machine name	Software	Denominations processed	Date of testing
1.	Masterwork		BPM	NC 7100	DSP 001.081	all banknotes MKD	24.01.2017
2.	Masterwork		BAM	NC 6000	DSP 001.038	all banknotes MKD	24.01.2017
3.	KISAN		BPM	Newton-FS	MKD 7.1.9(B)	all banknotes MKD except 200 and 2000 denars	24.03.2016
4.	Giesecke & Devrient GBH		BPM	Numeron® F	MKD_v5.01.003_f	all banknotes MKD	01.03.2017
5.	Masterwork		BAM	NC 3500	DSP 001.068	all banknotes MKD	24.01.2017
6.	Giesecke & Devrient GBH		BPM	BPS 200	MK1.01.001	all banknotes MKD except 200 and 2000 denars	19.12.2014


7.	Giesecke & Devrient GBH		BPM	BPS C4	MK1.01.001	all banknotes MKD except 200 and 2000 denars	19.12.2014
8.	Masterwork		BAM	PD-100	FW 003.014	all banknotes MKD except 200 and 2000 denars	23.11.2015
9.	De la Rue		BPM	Kalebra	12.03d(R)	all banknotes MKD except 200 and 2000 denars	25.12.2014
10.	SBM		BAM	SB-7	01.17	all banknotes MKD except 200 and 2000 denars	11.02.2015
11.	LG Speed		BAM	S 3200	D2215-01-21	all banknotes MKD except 200 and 2000 denars	12.03.2015
12.	De la Rue		BPM	KOBRA	SW400308 v1.2 / MKD0_634.3202_11i_1cis_issue_z	all banknotes MKD except 200 and 2000 denars	15.12.2015

13.	Focusbanker		BAM	CAT 800	MKD N2L data 2014 11 20	all banknotes MKD except 200 and 2000 denars	20.10. 2015
14.	SBM		BPM	SB-3000 PRO	Main:1.00 Image:1.02(ce18) Boot:0.09 PLD:14.06	all banknotes MKD except 200 and 2000 denars	14.07.2016
15.	SBM		BAM	SB-9	v1.03_6683	all banknotes MKD except 200 and 2000 denars	21.10.2016
16.	De la Rue		BPM	DLR X-range	35.50.0B.08 (16/07/15) 10	all banknotes MKD except 200 and 2000 denars	21.10.2016
17.	Giesecke & Devrient GBH		BPM	C1-F	MKD F 02.013	all banknotes MKD	09.03.2017
18.	DORS Industries		BAM	Dors 800	MKD V 0.0.4	all banknotes MKD except 200 and 2000 denars	01.12.2016

19.	Hundai MIB international Co,Ltd.		BPM	SB - 5000	Main:1.00 Image:1.01(3246) Boot:0.09 PLD:14.06	all banknotes MKD except 200 and 2000 denars	16.12.2016
20.	Masterwork		BPM	NC-8500	MKD 002.013	all banknotes MKD	16.03.2017




II. Coins processing machines

1. Machines operated by bank clients

No.	Manufacturer		Machine type	Machine name	Software	Denominations processed	Date of testing
1.	Wincor Nixdorf		CIM	CCDM-cash	XSAAMKD0200.CDT	all coins MKD	04.2.2016

2. Machines operated by trained workers

No.	Manufacturer		Machine type	Machine name	Software	Denominations processed	Date of testing
1.	REIS EURO SYSTEMS		CPM	3515	92020-000226-2008.12.041	all coins MKD	19.12.2014
2.	PROCOIN		CPM	PRC 330		all coins MKD	11.03.2015
3.	REIS EURO SYSTEMS		CPM	cs3310		all coins MKD	12.03.2015
4.	SCANCOIN		CPM	sc4000	5.15	all coins MKD	17.03.2015
5.	CT Coin		CPM	Pelikan 309 +	MKD P50420140320	all coins MKD	12.06.2015

6.	PROCOIN		CPM	PRC 420		all coins MKD	25.12.2015
7.	cashMAX		CPM	CMX 40		all coins MKD	13.07.2016
8.	CTcoin		CPM	Zebra 309	one1.0.19.29	all coins MKD	14.07.2016

Note:

1. The sample of counterfeit money that is used in checking the operation of the machines is composed of different types of counterfeit money that are most frequently found in circulation. As the National Bank of the Republic of Macedonia cannot envisage nor to exclude the possibility of emergence of new types of counterfeit money that were not included in the sample used in checking the machines, responsibility of the producer is to regularly test the machines. In addition, distributors and users of the machines have responsibility to periodically update the devices (modules) installed in the machines in order to detect new types of counterfeits;
2. The National Bank of the Republic of Macedonia does not accept any liability for any direct or implicit damage occurred in checking the operation of the machines, the result of the verification as well as with the publication, not publishing or removing the machines from the website of the National Bank of the Republic of Macedonia;
3. The published results of the verification of the operation of the machines do not imply recommendation by the National Bank of the Republic of Macedonia to third parties to use or not to use the machines that received a positive opinion;

4. The National Bank of the Republic of Macedonia does not provide any warranty, direct or implicit, for the fitness of the machines published on the list of successfully tested machines and their ability constantly and without errors to detect counterfeit money or perform selection whether the users of the machine use the machines in accordance with the instructions for use or not.