

Coin Wrapping Machine

Operating Instructions



Table of Contents

Safety Information	1
Intended Use of the Machine	1
Sources of Danger	1
Emissions	1
Description	2
Technical Specifications.....	3
View with Opened Front Door	4
Introduction	5
Installation – First Operation	5
Counting and Wrapping Coins	6
Insert Wrapping Paper	7
Fill Coins into Hopper	8
Store Counting Results	9
Display Memory Contents	9
Display Number of Rolls.....	10
Set Preset Stop for Coin Rolls.....	10
Correct Coin Stack Height.....	11
Bagging Coins	12
Set Preset Stop Mode	14
Switch off Preset Stop	14
Leave the Bagging Mode	15
Display Machine Type	15
Display installed Software Version.....	15
Double Currency Switch Function	16
Currency Switch Function	16
Option Coin Roll Check (only CW 2013)	17
Switch on/off Coin Roll Check	18
Option Foreign Coin Detection (only CW 2013)	19
Switch on/off Foreign Coin Detection	19
Automatic Rejection of Coins with Bigger Diameter.....	21
Switch on/off Paper Tucker Guide.....	22
Ink Jet Printer (Option)	23
Troubleshooting and Error Elimination	24
Error in the Electronics.....	29
Cleaning, Maintenance and Service	30
Declaration of Conformity (Europe)	32

Safety Information

- Read these operating instructions and especially the following safety regulations before installing the machine and putting it into operation.
- Keep these documents for other users or later holders.
- The producer is not responsible for any damages caused by disregarding the following information or using the machine in a way it is not intended for.

Intended Use of the Machine

- The coin wrapping machines CW 2011/..12/..13 may only be used for counting and wrapping coins.
- The coins to be processed must not be damp, wet or oily.
- Do not bring any foreign substances, e.g. clips, into the machine, otherwise it could be damaged.

Sources of Danger

If the coin wrapping machines CW 2011/..12/..13 are used as intended there will be no danger for the operator. The front door and the upper cover are controlled by a safety switch that means that the machine cannot be started while the door or the upper cover is open.



Do not bridge or bypass the safety switch in any case.

Emissions

Emission values (noise pressure level) at the place of work are according to ISO 7779:

Stander	(0.25 m distance – 1.5 m height):	74 dB (A)
Bystander	(1 m distance – 1.5 m height):	70 dB (A)

Description

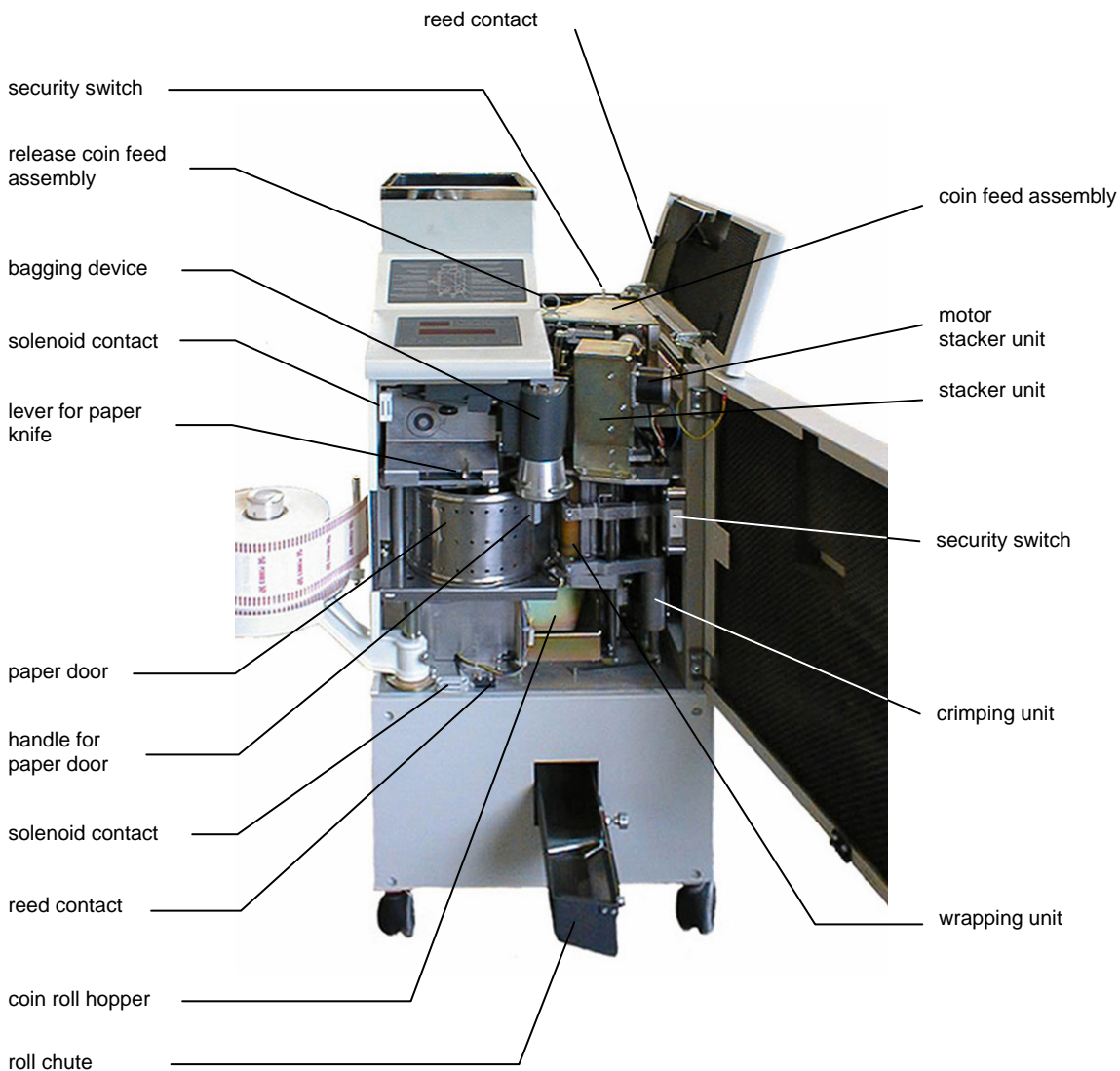


Technical Specifications

Dimensions:	Height: 1180 mm 1135 mm	CW 2011/..12 (without additional hopper) CW 2013 (without additional hopper)
	Width: 455 mm	(without paper table respectively printer)
	Depth: 585 mm	(without coin roll chute)
Weight:	140 kg	
Power supply:	230 V/50 Hz or 115 V/60 Hz	
Power consumption:	approximately 600 Watt	
Current intensity:	5 A at 115 V	
Ambient Temperature	5 – 35° C	
Humidity:	30 to 80%	
Wrapping speed:	about 36 rolls/minute about 36 rolls/minute about 25 rolls/minute	CW 2013 (or 30 rolls/min. adjustable) CW 2011 CW 2012
Coin stack height:	35 to 95 mm 30 to 110 mm	CW 2013 (with roll check assembly) CW 2011/..12, CW 2013 (without roll check assy.)
Coin diameter:	18 to 38 mm 15 to 33 mm	CW 2011 CW 2012/..13
Capacity coin hopper:	about 17000 coins	(coin diameter 16.5 mm/ coin thickness 1.4 mm)
Height coin roll chute lower edge:	250 mm 210 mm	CW 2011/..12 CW 2013 other heights on demand
WEEE-Reg.-No.:	DE 25480060	

Observe the mentioned machine specifications (e.g. temperature, humidity, voltage)!

View with Opened Front Door



Equipment:

- Automatic adjustment of coin denomination via key board
- Memory for counting results
- Total roll counter/roll stop
- Automatic operating stop
- Automatic troubleshooting
- Mounted bagging device
- Roll check assembly (option only for CW 2013)
- Foreign coin detection (option only for CW 2013)
- Double currency switch function
- Additional external hopper (optional accessory)
- Error code display (option)

Introduction

CW 2011/..12/..13 are high speed coin wrappers which are easily to operate. You only have to select the proper coin denomination and to insert the corresponding wrapping paper. All internal adjustments such as coin diameter, coin thickness, number of coins per roll and the coin stack height resulting from that number are made automatically.

Any irregularities arising during the operating procedure are detected and eliminated automatically as far as possible. If the operator's help is necessary to eliminate the error, it will be displayed as text, code or graph on the error code display (option). CW 2013 automatically rejects foreign and false coins as far as they can be detected.

Operating convenience also means that all important parts are easily accessible if necessary. By opening the upper lid, the complete counting unit is accessible. Furthermore the coin guide block can be removed and the coin feed assembly can be lifted. This is important in order to remove damaged coins and/or foreign substances. After opening the front door the complete wrapping unit as well as the paper guide unit are accessible.

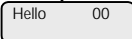
Installation – First Operation

Normally a service technician installs the machine and puts it into operation. If you want to install the machine by your own, pay attention to a solid and horizontal position. The two front rolls are equipped with locking brakes which must be engaged after installation. Connect the machine with the attached cable to a correctly installed socket, pay attention to the correct voltage. You will find hints on the type label on the rear side of the machine. Additional equipment as a printer or a systems connection has to be plugged into the appropriate socket at the rear side of the machine.

Counting and Wrapping Coins




Turn on power.

The power switch is at the left side cover. The code  means that the machine is set up for Euro currency (the code varies according to country and currency).



The upper, smaller display shows the selected coin denomination. The lower, bigger display shows on the left side the number of coins to be wrapped in one roll and on the right side the counted coins (here still 0).



You select the desired coin denomination by pressing the  key.




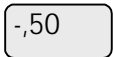
Selected coin denomination: -.50

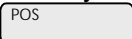


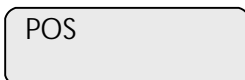
Number of coins to be wrapped: 40 coins



Confirmation of the selected coin denomination with  .



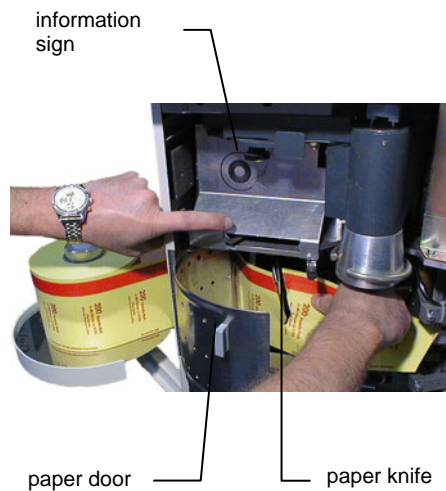
The machine needs some seconds to carry out the internal adjustments. During this procedure  appears on the display.



After all internal adjustments have been finished you have to insert the wrapping paper.



Insert Wrapping Paper



1. Open the front door.
Pay attention to the information sign.
2. Open the paper door.
3. Place paper roll on the paper table.
4. Put the beginning of the paper roll into the paper guide opening on the left side of the machine.
5. Close the paper door for a moment so that the paper will be drawn in for about 10 cm.
6. Now open the paper door again and align the paper towards the paper support plate.

If you use a new paper roll the first cut must be made manually:

1. Push the lever of the paper knife with the left hand to the left side.
2. Pull the paper against the knife so that the paper will be cut off.
3. Close the paper door.

The paper will be fed automatically.

4. Close the front door.

When another coin denomination is set up the paper will be drawn back automatically.

- !** The paper rolls are available in three standardized lengths of 100, 150 and 300 m. Any other length on demand. The paper weight is 70-90g/m² depending on the weight of the coin roll.

Fill Coins into Hopper

Start
Stop

-,50

02 198

-,50

Clear


-,50

40 160


-,50


no coin

! Do not bring any damaged, wet, damp or oily coins, foreign substances or coarse dirt into the machine.

Fill the coins into the hopper and press  .
The coins are counted and wrapped.

Add the two missing coins to complete the coin roll.



If you do not have the two missing coins, please press  .

By actuating  the machine starts an automatic clear procedure and the other 38 coins are rejected into the lower drawer (on the right side). At the same time the display shows the reduced number of counted coins.

After all coins have been processed, the machine stops automatically.

Store Counting Results

M+

Before you can transfer a counting result to the memory you have to stop the machine with  and then press .

-,50

The counted coins are transferred to the memory.

40 0

M+ -,50

! Only complete coin rolls can be transferred to the memory.

02 198

-,50


Four coin rolls, that means 160 coins, are transferred to the memory. 38 coins are already counted and two coins are missing to complete the coin roll.

02 38

! Only counting results of the actual selected coin denomination can be saved.

Display Memory Contents

MR -,50

By pressing  the memory contents is displayed. The letter 'H' means main memory.

H 160


! The memory contents will be deleted as soon as another coin denomination is selected. After turning off and on the machine the memory contents does not get lost if you did not select another coin denomination before.

Display Number of Rolls

ROLLS
PCS

-,50

r. = 4

By actuating  once the display shows the number of rolls and at the same time the LED of this key lights up.

Coin denomination -.50.



Four coin rolls have been wrapped.

Set Preset Stop for Coin Rolls

Batch
1000

Set

r. = 0





Activate the preset stop for coin rolls with . The display indicates () that you can set now the required number of coin rolls.

Batch
1000

Bag
100

ROLLS
PCS

Corr
1


Set the required number of coin rolls with  , for example 1500 rolls by pressing one time  and five times .

Set

Resulting display.

r. = 1500

↩


Back to normal display. The set number is saved and the preset stop for coin rolls is activated (the LED of the key  lights up).

Start
Stop

! Now the machine starts wrapping the preset number of coin rolls and then stops automatically.

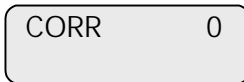
Batch
1000

CLR


The LED of the  key extinguishes when the preset stop of rolls will be deactivated.



Correct Coin Stack Height

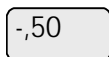
 

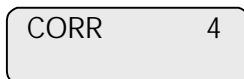


With  you can correct the actual selected coin denomination.


The quality of the coin rolls is all right when the height of the roll paper corresponds to the coin stack height. It may happen that either the coins have bigger tolerances or the paper does not fit. In this case the upper end of the coin roll is not crimped correctly. Either the paper projects or the crimping is torn. This problem can be solved by the correction of the upper crimping hook. By actuating  and  the correction value can be adjusted between + and - 4 points, which corresponds to +/- 4 mm.







A correction value of 4 points was selected.

Back to normal display. The set correction value for the corresponding coin denomination is active (the LED of the key )

! The corrections are not saved permanently, the values are lost after turning off the machine or after changing the coin denomination.



Coin roll is all right.



Too much paper at the top crimp, respectively coin stack height too short.

! Correction of -2 is necessary.




Too less paper for the top crimp, respectively coin stack height too high.

! Correction of +2 is necessary.

Bagging Coins

The coin wrapper is equipped with a bagging device, so you have the possibility to count coins into bags.

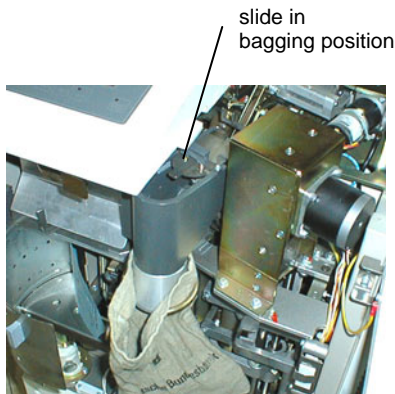


Press  to activate the bagging mode.



Please wait until the machine finishes some internal adjustments.





After this procedure open the front and the paper door, and place the coin bag.

! Important: Put slide into bagging position.

Open

As long as the slide is in wrapping position the display shows Open.

Fit UP

The slide is neither in wrapping nor in bagging position.

Fit UP

Cl'd

The display shows Cl'd (closed) when the slide is in bagging position.

Fit UP

↵

Please confirm with ↵.

-,50

The machine positions the coin track.

POS

-,50

Now the machine is ready for bagging coins. The display shows on the left side the letter 'b' for 'bagging device' and on the right side the number of already counted coins (here still 0).

b. = 0

Start Stop

Press Start Stop to start the machine.

! Make sure that the bagging device is in correct position before you change into bagging mode.


Set Preset Stop Mode

-,50

Only with this display you can set a preset stop value.

b. = 0

Batch
1000






Activate the preset stop mode by pressing .

Set

The display indicates that you can set the required stop value now.

0

Batch 1000 Bag 100 ROLLS PCS Corr 1


Set the required stop value with     for example 400 coins by pressing four times .

Set

Resulting display.

400

↵


Confirm your input. The preset number is set and the preset stop mode for rolls is active (the LED of the key  lights up).

Start
Stop

The machine now starts to count backwards the selected number of coins (from 400 to 0) and then it stops automatically.


Switch off Preset Stop

Batch 1000 CLR

The LED of the key  extinguishes as soon as the preset stop mode is deactivated.

Leave the Bagging Mode

Bag
100

Press the key  to leave the bagging mode.

-,50

The machine needs some seconds to carry out the internal adjustments.

POS

Cl'd

Put the slide into wrapping position (towards you).


Fit UP

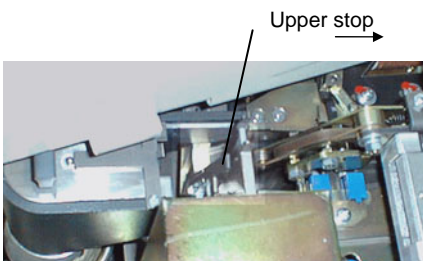
Open

The slide is in wrapping position as soon as the machine shows this display. Take off the coin bag and close the paper and the front door.

Fit UP

↵

You leave the bagging mode by pressing . After the set-up procedure the machine is in wrapping mode again and you have to insert wrapping paper.



! Make sure that the movable upper stop of the front stacker guide has turned back completely, otherwise the stacker fingers could be damaged.

Display Machine Type

3 x MR

Displays the machine type.

2013

! Each machine type is equipped with its own EPROM, which is not suitable for other than in the display shown machine types.

Display installed Software Version

4 x MR

Displays installed software-version.

Pr. 269.16

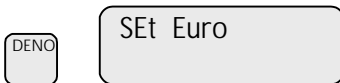
Double Currency Switch Function


Euro-participant countries are able to select between country specific currency and Euro currency.

Currency Switch Function


1. Country currency is selected:

Switch machine off.




You are able to select Euro denomination by pressing the  key and switching on the machine.



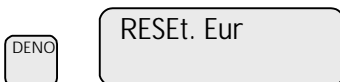
Confirm Euro denomination by pressing the  key.




Cancel Euro setting and remain with country specific currency by pressing .


2. Euro is selected:

Switch machine off.




You could return to country specific currency by pressing the  key and switching on the machine when Euro was selected before.




Confirm country specific currency by pressing .



Cancel country specific currency and remain with Euro denomination by pressing .

Option Coin Roll Check (only CW 2013)

The CW 2013 can be equipped with a coin roll check. If necessary this accessory can also be installed later. The coin roll check is carried out by measuring the coin stack height (roll length). In praxis newly struck coins as well as coins already in circulation are wrapped, which means that there are tolerances among one coin denomination. The coin roll check must be adjustable to these tolerances.

The height of each coin roll is measured before the roll is dropped out. This measurement checks the correct number of coins per roll. If the roll check detects any irregularities, the concerned rolls are rejected. The wrapper keeps on running and does not stop before there are ten rolls in the drawer. The display shows , drawer full. The rejected rolls are not always faulty. If necessary re-count the coins.

The exact function of the roll check depends especially on the quality of the coins. There are differences between newly struck coins and those already in circulation. Different coins result in different roll lengths and this is the reason why sometimes also 'good' rolls will be rejected. In case that too many 'good' rolls are rejected you have to re-calibrate the roll check. The calibration of the roll check is carried out automatically when starting the wrapping process.

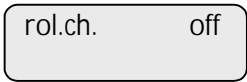
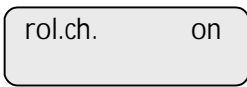
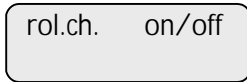
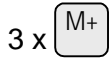
Turn the machine on and set for example 1.- Euro coins. After starting the machine the first 16 rolls are measured and the values are saved (see small display). All following rolls are measured and compared with these previous 16 rolls.

!
Attention

If necessary you can re-start the calibration by changing the coin denomination (one POS(itioning) cycle) and then return to the desired denomination.
Turn the roll check on or off alternatively.

You can switch off the roll check completely if the tolerances of the coins are too high and consequently too many rolls without error in number of units are rejected.

Switch on/off Coin Roll Check



Start set-program.

Press three times until appears on the display.

By pressing the roll check can be switched on or off.

Roll check switched on.


Roll check switched off.

Confirm selection.

Leave set-program

Option Foreign Coin Detection (only CW 2013)

The foreign coin detection is carried out by a sensor which checks the alloy of the coins. Unfortunately some foreign coins are made of alloy that corresponds or is similar to that of the proper coins. Therefore those coins cannot be detected.

If a foreign coin is detected during the wrapping process, the machine interrupts and the display indicates . The suspect coin will be rejected automatically into the upper drawer.



This procedure takes some seconds and must not be interrupted.



It is quite normal that with every rejection also 3-4 'good' coins are rejected.



If too many good coins are rejected, it will be necessary to reduce the sensibility. If foreign coins are obviously not detected, the sensitivity must be increased.

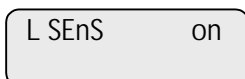


After a master reset the first 512 coins of each denomination serve to teach the alloy sensor, i.e. no foreign coins or other foreign objects may be among these teaching coins.

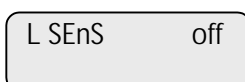
Switch on/off Foreign Coin Detection



Enter the set-program.



The alloy sensor is enabled (standard adjustment).




The alloy sensor is disabled.



With this key the alloy sensor can be switched on or off.

L SEnS off

The data (learned value) for the respective coin denomination will be deleted by pressing  after disabling the alloy sensor (see display). This is also indicated by the sensitivity level 0 which cannot be changed at that time. In this way you can permanently disable the alloy sensor for individual coin denominations.

L StUFE 0


M+

By pressing this key you can browse forwards in the set-program.

MR

By pressing this key you can browse backwards in the set-program.

L StUFE 1...5

With  you can increase or decrease the sensitivity of the foreign coin detection for the individual coin denomination.

LStUFE 1

Sensitivity level very low.

LStUFE 2

Sensitivity level low.

LStUFE 3

Standard adjustment (medium sensitivity level).

LStUFE 4

Sensitivity level high.


LStUFE 5

Sensitivity level very high.



By pressing this key you can permanently store the sensitivity of the actual selected coin denomination. This value is preserved even after turning off main power supply.

L StOP on/off

By pressing  you can change the procedure of detecting a foreign coin.

L StOP off

The machine automatically rejects a foreign coin. Normally there is nothing to do for the operator (standard adjustment).

L StOP on

In case that a foreign coin is detected the machine stops completely. Usually the foreign coin lies in front of the stop solenoid and must be removed manually. Re-start the machine.

Start Stop

Leave the set-program.

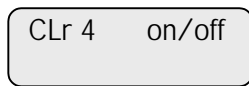
Automatic Rejection of Coins with Bigger Diameter



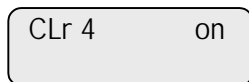
First press and then to change into the set-program.



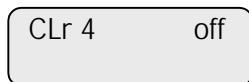
Press until the display indicates .



With the function CLEAR 4 can be enabled and disabled.



The machine automatically rejects coins with a bigger diameter (up to 5 mm). At the same time the coin thickness adjustment increases by 12.5% of the adjusted coin denomination so that the coin does not remain on the coin disk.



The coin with the bigger diameter remains on the coin disk and must be removed manually.

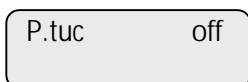
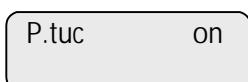
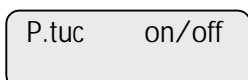


Confirm selection, display blinks for a short moment.



Leave the set-program.

Switch on/off Paper Tucker Guide



The paper tucker guide should be activated from a coin diameter of approximately > 16.5 mm. When operating smaller coins it might be helpful to disable the paper tucker guide.

First press and then to change into the set-program.

Press until the display indicates .

With you have the possibility to switch on/off the paper tucker guide for the selected coin denomination.

Paper tucker guide enabled.

! With 0.01 Euro Cent the paper tucker guide is generally disabled. But especially when the paper roll comes near to the end it might be necessary to enable the tucker guide.

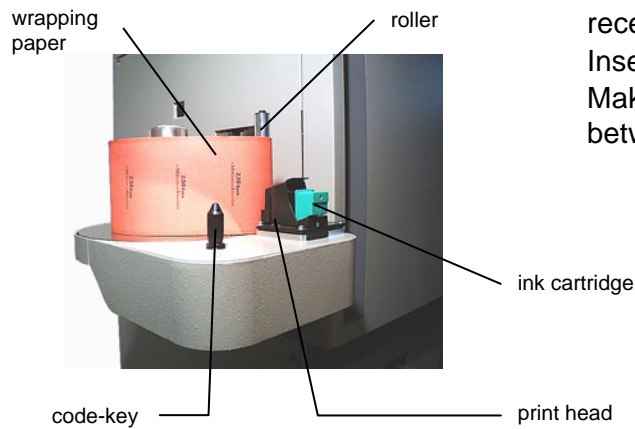
! After power is on the paper tucker guide is automatically disabled for the 0.01 Euro Cent!

Paper tucker guide disabled.


Confirm selection, display lights up for a short moment.

Leave the set-program.

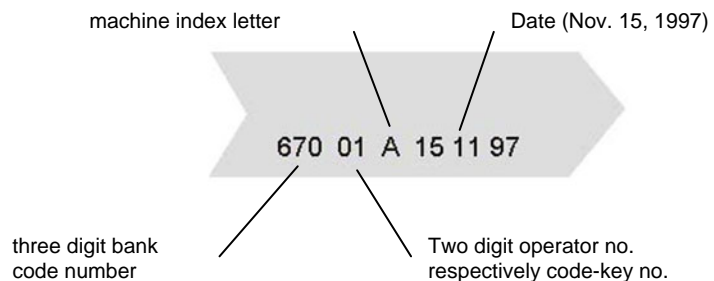
Ink Jet Printer (Option)



Put the code-key into the appropriate key reception.
 Insert the wrapping paper as usually.
 Make sure that the roll paper is positioned between roller and printer head.

! If the code-key is missing the display shows  and the machine cannot be started.

Print on Wrapping Paper

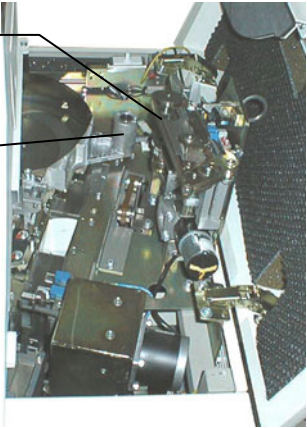






The machine index number (in this example: A) is only of importance if you have more than one machine at the same working place. In this case each machine can have another index letter.
 The ink cartridge reaches for about 250,000 to 300,000 coin rolls. It can be re-filled one to two times. Then you should change the cartridge. You can buy the ink cartridge HP Desk Jet 51 626 A either from a specialized dealer or from one of our service branches.









Switch machine off before changing the ink cartridge!

Troubleshooting and Error Elimination

Error Indication	Error Explanation	Error Elimination
door	Door open	Both doors are controlled by safety switches. The machine cannot and must not start with opened doors (exception: bagging mode). After closing the doors this indication will disappear.
no coin	Machine empty or coin jam in the disk	Either all coins have been processed or there is a jam in the area of the counting unit. By experience we know that jams are caused by dirt and/or damaged coins.
JAM	Jam	There is a jam on the coin disk (coin disk does not turn). Open the upper lid and the coin feed unit. If necessary remove the coin guide block also and eliminate the dirt or coin that caused the jam.
opened coin feed assembly		<p>! Important note: Before installing the coin guide block, push inwards all coins lying on the outer rim of the coin disk. Make sure that the coin feed unit is properly installed before starting the machine again.</p>
coin guide block		
StOP	External stop	This indication only appears when the machine is connected to a roll packaging system or something similar. This indication means that there is a permanent external stop signal.
CASE 0	Drawer missing	The remnant coin drawer is missing or it has not been pushed in properly.
CASE F	Remnant coin drawer is full	The program counts the numbers of clear processes. After 10 clear processes, after 10 stack droppings or after 10 coin rolls detected as wrong the machine stops automatically. Empty the remnant coin drawer and press  .
PAPeR	Paper feed active	The display indicates only that the paper feed is active. There is nothing to do for the operator.

Error Indication	Error Explanation	Error Elimination
PAPEr d	Paper door open	In principle this indication means that the paper door is open or has not been closed properly. However, there could also be a paper jam. Check the paper feed and re-align the paper if necessary.
PAPEr n	No paper	This indication appears when the paper runs out or when the paper feed is not correct. If necessary insert a new paper roll.
PAPEr E	End of paper roll	Insert a new paper roll.
PAPEr F	Paper error Paper was not torn off	During the wrapping operation the machine checks the correct time for tearing the paper off. This error indication may appear for several reasons. In any case you have to re-insert the paper and to make a clear process by pressing  .
POS	Set-up procedure active	This indication appears when the internal set-up procedure is activated. There is nothing to do for the operator.
POS n	Set-up procedure wasn't successful	Press  .
POS 1n	Set-up procedure Time out	<p>The internal set-up procedure has not been finished. This can be caused by a mechanical binding or a technical failure. Check the counting unit and remove any coins, paper or other things you may find in this area.</p> <p>Press  and repeat the clear process. The numbers 1, 2 and 3 show which of the set-up procedures could not be finished.</p> <p>1 = Coin diameter adjustment 2 = Coin thickness adjustment 3 = Coin stack height adjustment</p>
POS 2n		
POS 3n		
CLEAR	Clear process active	This error indication appears when machine carries out a clear process. There is nothing to do for the operator. Wait until the clear process is finished.

Error Indication	Error Explanation	Error Elimination
CLEAR 1	Clear process due to reverse run.	This error indication means that the machine carries out an automatic clear process. Operator's activity is not yet required. This indication 1 informs you that the reason for this clear process was a status change at both counting sensors after the machine turned the coin disk reverse in order to eliminate a coin jam.
CLEAR 2	Clear process due to overcount	The machine carries out an automatic clear process. Operator's activity is not yet required. The indication 2 informs you that the reason for this clear process is an overcount. Overcount means that one or more coins have passed the counting sensors after the preset number of rolls had already been reached. Check whether the proper function of the stop solenoid is impaired by dirt or something similar. However, if 'Clear 2' will be displayed too often without any visible reason, contact your local service office.
CLEAR 3	Clear process due to miscount	The machine carries out an automatic clear process. Operator's activity is not yet required. The indication 3 means that the reason for this clear process is a difference in counting of the two counting sensors.
CLEAR 4	Clear process due to coins with bigger diameter	The machine rejects the coins with bigger diameter automatically.
- - - 06	Coin roll jam	In case of a coin roll jam the gate at the upper end of the coin roll chute cannot work properly. Eliminate the roll jam. If there is no roll jam, check whether paper or something similar impairs the proper function of the gate. Actuate  to start a clear process.
- - - 09	Counting sensor(s) covered after a clear process	This error indication appears when the front sensor or both sensors are covered by a coin or a metallic foreign substance the moment the key  is being pressed. Check the sensors, remove coins or foreign substances and actuate  .

Error Indication	Error Explanation	Error Elimination
- - - 13	Main motor does not work	Possibly there is a jam in the wrapping unit caused by loose coins, coin rolls or paper, or the front door security switch is not properly activated. Open the front door and check whether you can eliminate the jam. If not, call your local service office.
- - - 14	Time out stacker unit	There is a failure in the stacker unit. The stacker unit could not reach the allowed working position. Press  .
- - - 15	Shutter error	Check the function of the shutter by pressing  . If necessary remove coins and foreign substances which may impair the proper function. By pressing  you activate the shutter.
- - - 16	Defective brake	To ensure proper set-up the main drive motor of the machine is stopped with an electromagnetic brake. This brake wears out by normal usage. Up to a certain degree the software will compensate the decreasing brake effectiveness by correcting the timing points accordingly. Not before this possibility is exhausted the error indication appears on the display. Call your local service office.
- - - 17	Power supply too low	The necessary power supply to ensure proper operation is too low.
- - - 20	Roll check error	During 'teaching' process of the coin stack height either a plus correction of the crimping hooks was adjusted or the sensor could not detect a coin. Please check the sensor in the test program and adjust the crimping hook correction to 0. To go on working with a defective sensor, disable the sensor (rol.ch.) in the set-up program (off).

Error Indication

Error Explanation

Error Elimination

bad coin

Foreign coin detected

The machine detected a foreign coin. Depending on the adjustment of the function the machine either stops or runs on automatically. If this error indication appears too frequently although there is no foreign coin, please reduce the sensitivity of the alloy sensor in the set-up program from to or even to .

-- --

The slide neither is in wrapping nor in bagging position.

Fit UP

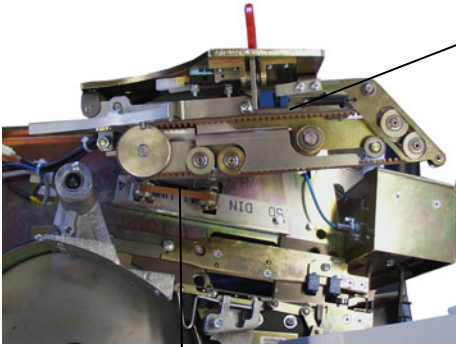
Error in the Electronics

- - - 02	Wrapping process - Timeout	
- - - 03	General error stacker unit	
- - - 04	IRQ Timer error	
- - - 05	Checksum	EPROM – Error
- - - 07	Timeout Analog / Digital converter	
- - - 10	RAM Error	
- - - 11	24 Volt are missing	
- - - 18	Defective roll counter	

If one of the above listed error codes will appear on display, switch the main power off and on again after some seconds. If the error indication appears again, contact your local service office.

Cleaning, Maintenance and Service

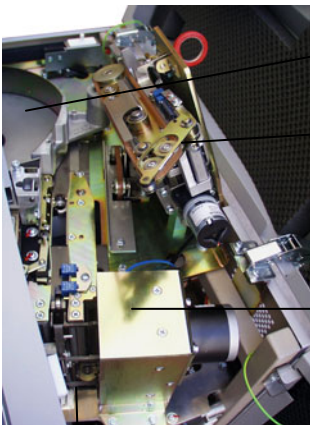
Use a brush or vacuum cleaner to remove visible dirt and especially foreign substances in the area of the coins disk, the counting machine, the stacker unit and the shutter. For this you can raise the coin feed assembly.



Wear parts like coin feed belt, drive belt, crimping hook, etc. are subject to normal wear and if necessary must be replaced during maintenance.

! The stacker finger must be in clear-position before raising the coin feed assembly!

Replace coin drive belt for coin feed assembly at the latest together with the coin feed belt after 1.5 million



coin disk

coin feed assembly

stacker unit

shutter

With normal use of the machine according to the intended purpose and with correct handling observing the hints in this instruction a qualified technician has to carry out maintenance as following:

Less than 2 hours operation per day → maintenance 1 time per year
More than 4 hours operation per day → maintenance at least 2 times per year

In order to ensure a good and long-term performance of the CW 2011../12../13 we recommend the conclusion of a maintenance contract with one of our authorized service agencies.



Warning

Disconnect power supply before cleaning the machine or carrying out maintenance work.



Warning

Further maintenance and repair work must be carried out by a service technician.

Declaration of Conformity (Europe)

according to EC-regulations for machines 2006/42/EC

The manufacturer

Standardwerk Eugen Reis GmbH
Grabener Str. 19
76646 Bruchsal - Germany

declares that the following mentioned machine

Coin Counting Machine

Type: **CW 2011 / CW 2012 / CW 2013**

corresponds to the following EC-regulations:

Machine regulation 2006/42/EC
Low voltage regulation 2006/95/EC
Electromagnetic compatibility regulation 2004/108/EC

Applied standards and technical Specifications:

EN 12100-1/12100-2	"Safety of machines"
EN 294	"Safety distances..."
EN 60950	"Safety of installations of information technique"
EN 60204-1	"Electric equipment of machines..."
EN 27779	"Acoustic measurements of machines"
EN 50081-1 / 50082-2	"Electromagnetic compatibility regulations"
EN 61000-3-2	"Harmonics"
EN 61000-3-3	"Flicker"

Bruchsal, May 2008



Bernd Petri
Managing Director



ppa. Achim Munck
Director Sales and Marketing

