



CS-800

CONVEYOR

USER MANUAL



Products presented in this guide are conform to requirements of directives nbr 2006/42/EG and 2004/108/EG.



Neopost has implemented a program for the recycling of worn machines and machines at the end of their lifetime. Contribute in a responsible way to the environmental protection by consulting your retailer internet site, or by contacting him. He will inform you of the collection and treatment processes of these machines.

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Table of Contents

1	Introduction	7
1.1	Pictograms	7
1.2	Notes for use of this manual.....	7
2	Safety notes	8
2.1	General safety notes	8
2.2	Location of the conveyor.....	10
2.3	Disposal	10
3	Scope of delivery and assembly	11
3.1	Scope of delivery	11
3.2	Delivery	11
4	Description of device	12
4.1	Function description	12
4.2	Controls	12
5	Initial start-up of the device	13
5.1	Connection setup.....	13
5.2	How to mount the shingle stacker	14
5.3	How to power-on the device.....	14
5.4	Transport wheels	15
5.5	Paper transport	16
5.6	How to assemble the universal paper catch tray (accessory)	17
6	Service	18
6.1	Maintenance and support.....	18
6.2	Troubleshooting	19
6.2.1	The conveyor transport belts are not moving.....	19
6.2.2	The products slip unjustified/twisted onto the conveyor	19
6.3	Technical Support	20
7	Accessories	21
7.1	Universal paper basket	21
7.2	Stand on rolls	22
7.3	Bump Turn kit for Neopost CS-800.....	24
8	Technical Specifications	25
8.1	EC declaration of conformity	26

9 Index 27

Table of Figures

Figure 1: Lateral view with shingle stacker.....	12
Figure 2: Control panel	12
Figure 3: Transport direction, top view	13
Figure 4: Connection of the power cord	13
Figure 5: Shingle stacker	14
Figure 6: Alignment of the transport wheels.....	15
Figure 7: Positioning of the transport wheels.....	15
Figure 8: Lateral view, shingle stacker supporting screw.....	16
Figure 9: Warning: Fixing screw	23

1 Introduction



In order to ensure both long service life of the CS-800 and its components, as well as safe conditions of use, we recommend that you read carefully and comply with the operating instructions and safety notes. Always be aware of all warnings and notes that are affixed to or printed on the machine itself.

All persons who are to handle this machine must also be familiar with the operating manual. Store this manual in a safe place where it is easily accessible for future reference at any time.

1.1 Pictograms



General warnings



Warning of danger from electricity or electrical shock



Warning of possible fire



Information / Note indicating important information regarding the handling of the machine.

1.2 Notes for use of this manual

This manual is structured chronologically, and therefore ordered sequentially from the receipt of the machine packed up to its ready-for-use state.

If you are unfamiliar with the machine, it is best to read through the manual from beginning to end, where you can follow easy step by step instructions to allow you to fully and correctly operate the machine.

If you are already familiar with the CS-800, it will make things easy if you to use this manual as a reference work.

2 Safety notes

Prior to initial operation, please carefully read the following instructions for the sake of both your own safety and the conveyor operating safety. Always observe any warnings and instructions directly attached to the device. Keep this manual available in order to be able to check back at any time.

Disregarding this manual may cause

- electric shock,
- injury by being drawn into the transport belt or transport rollers,
- damage to the equipment.

2.1 General safety notes



Caution!

Please read these notes with care.
Keep this manual for future reference.
All notes and warnings found on the machine are to be followed.

Setting up the machine

A safe, level position is necessary, when installing the machine. Injuries may be caused by tipping, rolling away or falling. The machine is to be protected from moisture. The machine is not suitable for outdoor use.

Electrical Hazards

The power cable must only be connected to a socket with protective grounding contact! The protective effect must not be compromised by the use of an extension cable without a protective grounding conductor. All interruptions of the protective grounding conductor, within or outside of the machine, are prohibited. The device is double pole fused! When fuse failure occurs, electrical machine parts can still carry voltage. When making the connection to the mains power, be aware of the connection values on the rating plate. Run the power cable in such a way, that no one can trip over it. Do not place any objects on the power cable. When the machine is not in use over a long period of time, it should be disconnected from the power supply in order to avoid any damage in the event of a voltage surge. Protect the device from moisture. When moisture enters the machine, there is a danger of electrical shock. Never open the machine. For reasons of electrical safety, the machine should only be opened by authorized service personnel.

Operating safety

Never put your hands inside the machine when it is running! There is a danger that injuries can occur through being pulled in and being crushed on the transport belt or the rotating rollers. In addition, keep long hair and parts of loose clothing away from the machine while it is in operation.

In order to prevent damage to the machine, only factory authorized accessory parts should be used.

Cleaning the machine

Prior to cleaning the machine, it should be disconnected from the power outlet. When cleaning the machine, do not use liquid or spray cleaners, but only a cloth dampened with water.

Additional information concerning the cleaning of the device can be found in chapter „Maintenance and support“.

Machine inspections only by authorized Service Partners!

In the following cases, you should unplug the machine from the power outlet and contact an authorized service technician:

- When the power cable or its plug is worn or damaged.
- When water or other liquid has entered the device.
- When the device has been dropped/knocked over or the housing is damaged.
- When there is a significant change in the performance of the machine.

Spare parts

When repair work is carried out, only original spare parts or spare parts approved by the manufacturer may be used.

Repairs

Do not disassemble the machine any further than it is described in this manual. The opening of the machine by unauthorized personnel is not permitted. Repairs may only be carried out by authorized service personnel.

Modification is not permitted

For safety reasons, your own reworking and modifications to the machine are not permitted.



Please contact your authorized Neopost dealer or service partner, for all questions relating to service and repair. In this way, you ensure the operational safety of your machine.

2.2 Location of the conveyor

Be aware when installing the machine that it must stand on a smooth and level surface that is larger than the conveyor.

When placing the machine, make sure that there is enough clearance around it, so that you can access all connections easily.

The floor space for the conveyor must be sufficiently stable. The tipping over or falling of the machine can lead to injuries, as well as damage to the machine.

When selecting the installation or storage location for the conveyor, keep in mind that it must be protected from strong temperature and humidity changes, direct sunlight and excessive heat.

The conveyor must not be subject to vibrations or shocks.

Install the conveyor near a power outlet, so that the power cable can be disconnected trouble-free at all times.

2.3 Disposal

The conveyor may not be disposed of in the conventional manner of household waste. Please dispose the conveyor in accordance with the regulations in force.

3 Scope of delivery and assembly

3.1 Scope of delivery

- 1x Neopost CS-800 conveyor
- 1x shingle stacker
- 1x power cable
- 1x set of transport wheels
- 1 x CD-ROM with user manuals

3.2 Delivery

The Neopost CS-800 is delivered in appropriate packaging so that it reaches its destination without damage via a regular mode of transport.

Transportation and storage should be carried out in suitable condition. That means an ambient temperature between +10°C and +31°C at 20-80% relative humidity (non-condensing). Conditions outside of these ranges may harm the machine. Damages from wrong transportation and storage conditions may not be visible on the packaging.

If the conveyor has to be shipped again, please retain the packaging. If the packaging is no longer needed, then please dispose it in an environmentally suitable manner.

4 Description of device

4.1 Function description

The Neopost CS-800 is a versatile conveyor belt for printed envelopes or small magazines. It is a typical accessory for Neopost printers. By default the CS-800 will be delivered with a shingle stacker, as displayed in Figure 1. There is also a universal paper catch tray available that can be mounted at the end of the conveyor (see chapter 7 Accessories, on page 21).

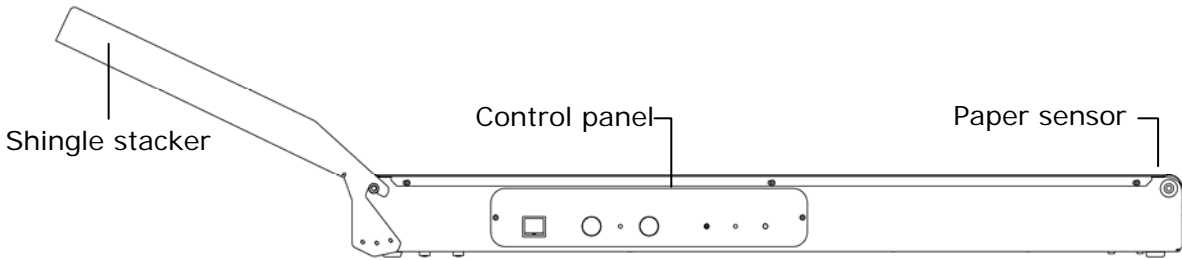


Figure 1: Lateral view with shingle stacker

The Neopost CS-800 has two different operation modes, the continuous mode and the shingle mode and the transport speed can be adjusted stepless. Furthermore in shingle mode a transport delay can be set.

If needed the front and back panel can be swapped by trained service technicians. Therefore the transport direction can be adjusted as needed.

4.2 Controls

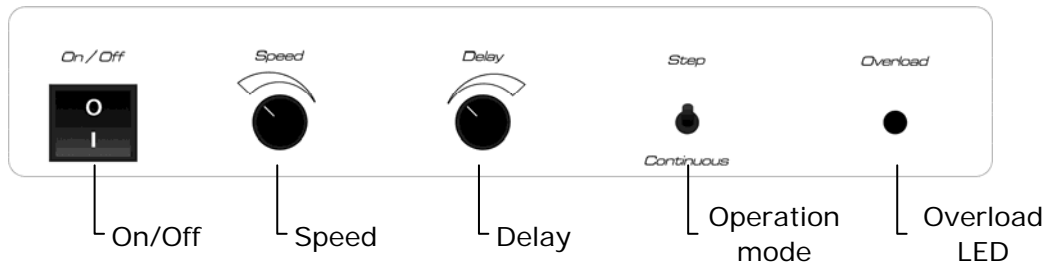


Figure 2: Control panel

5 Initial start-up of the device

5.1 Connection setup

Please align the device to the paper stream as displayed below. The material should be dropped centrally onto the conveyor and onto at least two of the four narrow transport belts to ensure that the paper is transported correctly.

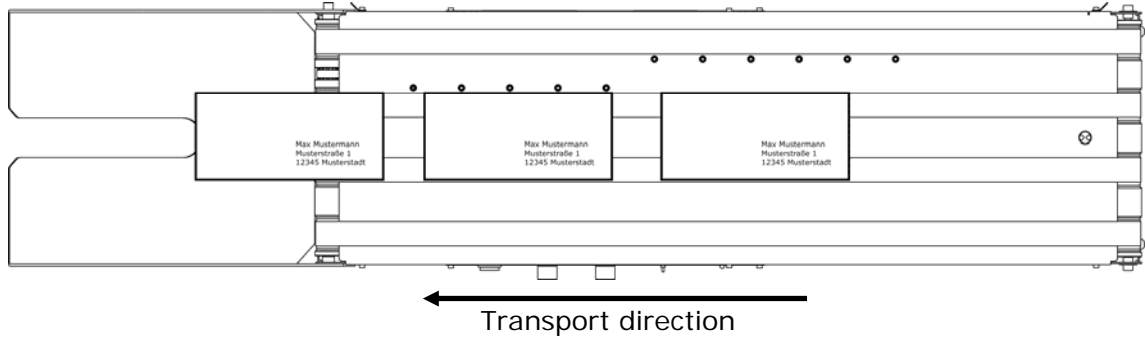


Figure 3: Transport direction, top view

Power cable



Attention!

The device may only be used in connection to power outlets with integrated protective conductor (earthing)!



Make sure that the on/off switch is set to off. Plug the power cable into the power input of the CS-800. Connect the cable to the power outlet.

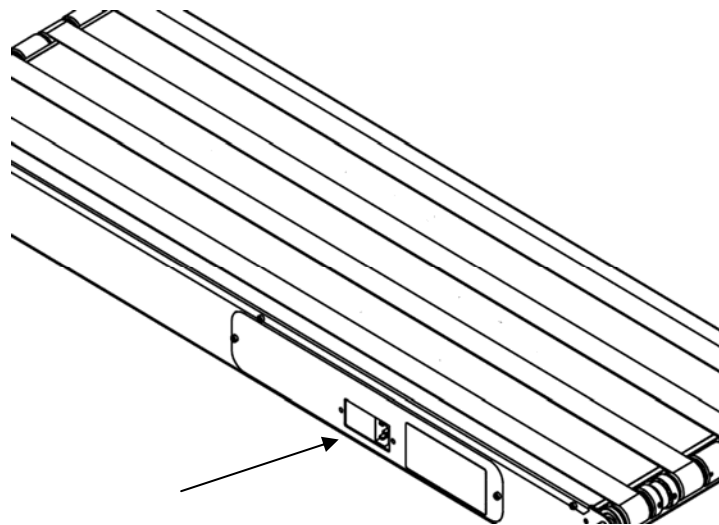


Figure 4: Connection of the power cord

5.2 How to mount the shingle stacker

- Please insert the screws with the security disks as shown in Figure 5. Make sure to use the same hole on each side.
- The selected holes determine the inclination of the shingle stacker. A steep inclination is recommended for small and light products such as postcards, a flat inclination for larger and heavier products.
- Fit the shingle stacker onto the exit side of the CS-800.

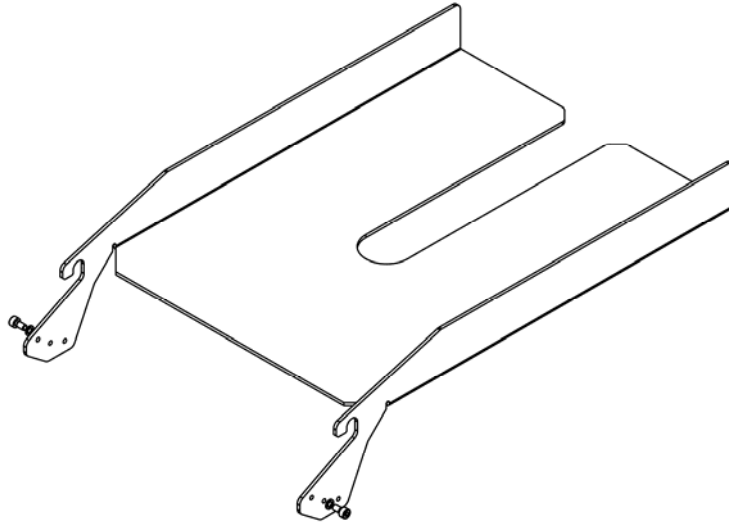


Figure 5: Shingle stacker

5.3 How to power-on the device

Please turn on the device using the on/off switch. See figure in section 4.2 Controls, on page 12.

5.4 Transport wheels

Please position the transport wheels above the small transport belts and **beside** the printed addresses. If necessary remove one of the four transport wheels, to avoid transport wheels running over the freshly printed ink.

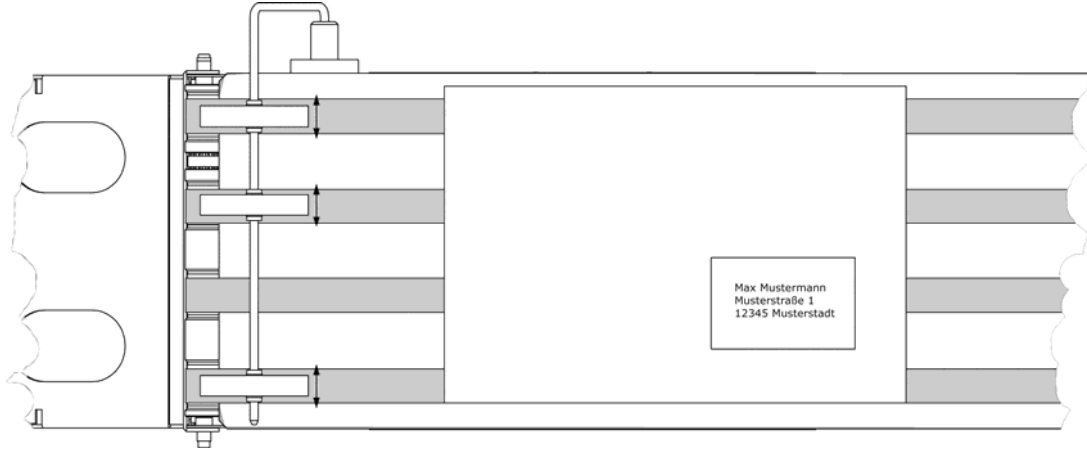


Figure 6: Alignment of the transport wheels

The transport wheels must be positioned according to the paper size and transport speed. If the upstream printing system works at high speed and the products slip unjustified/twisted onto the conveyor, the position of the wheels must be adjusted.

Therefore arrange the transport wheels as displayed in Figure 7. The distance between the front edge of the conveyor and the rollers should be approximately one paper length + 10 mm. The transport wheels decelerate the fed products and ensure a proper shingling.

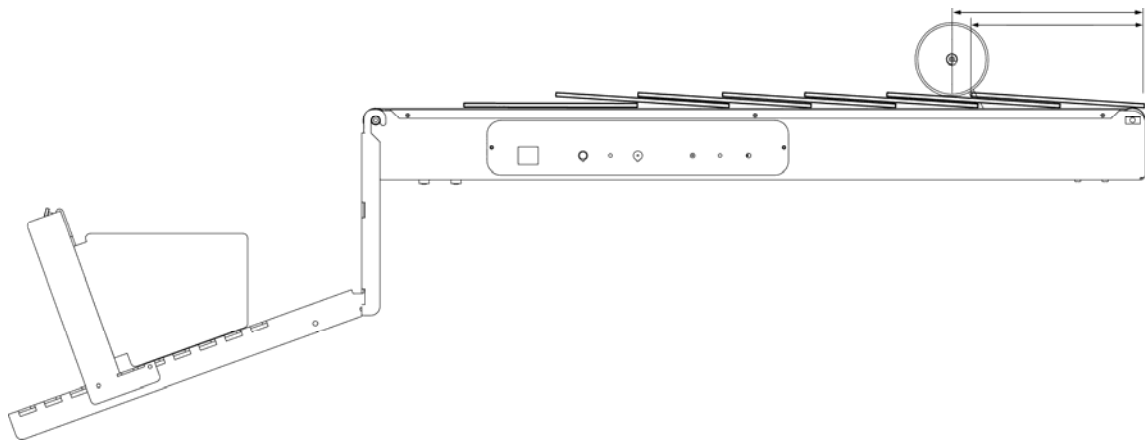


Figure 7: Positioning of the transport wheels

The height of the conveyor has to be a little bit lower than that of the upstream printer. The delivered products have to drop onto each other to make a smooth shingling possible.

5.5 Paper transport

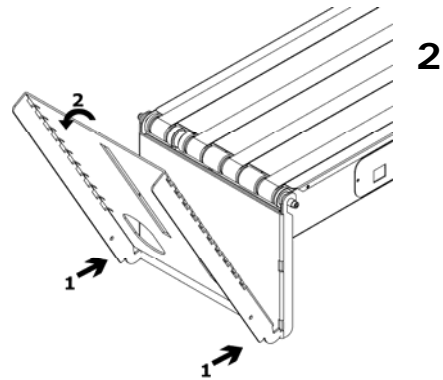
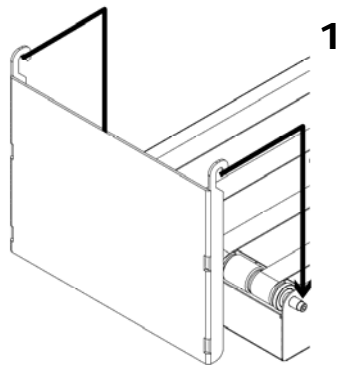
- ON/OFF – Turn on the device using the on/off switch (See figure in section 4.2 Controls, on page 12).
- SPEED – Depending on the operation mode the single belts of the conveyor move with the set speed. The transport speed can be varied stepless between 0.2 - 0.9 m/s.
- DELAY – The delay setting affects the follow-up time of the transport in shingle mode. It can be varied in a range of 0.2 - 1.1 s. The delay influences the distance of the products in shingle mode.
- STEP/CONTINUOUS – Here you can switch between continuous and shingle transport mode. In continuous mode the belts move with the set speed. During the shingle mode, the transport will only start, when a product is detected by the paper sensor. The belts stop after the set delay time. If the paper sensor is blocked, the belt will run continuously.
- OVERLOAD – If the conveyor transport is blocked, for example by an envelope that slipped under one belt, it will automatically stop and the Overload LED turns on. To reset the transport you have to switch off the conveyor and wait until the Overload LED turns off completely. Remove the blocking paper and turn on the device again.



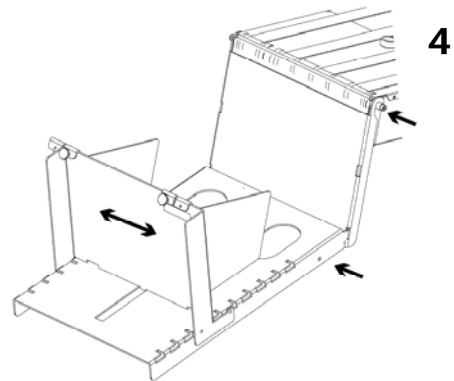
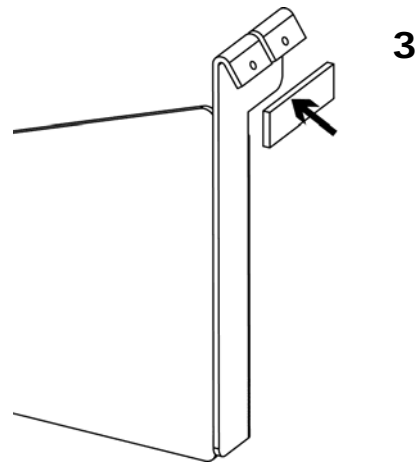
Figure 8: Lateral view, shingle stacker supporting screw

The elevation of the shingle stacker can be adjusted with the use of the supporting screw (see arrow in Figure 8).

5.6 How to assemble the universal paper catch tray (accessory)



- Remove the protection film of the sheet metal parts.
- Engage the vertical plate with the CS-800 (1).
- Engage the catch plate with the holes of the vertical plate (2).
- Assemble the side plates using the two small knurled screws (3).
- Engage the stop plate with the catch plate and mount the side plates (4)
- Connect the catch tray with the upstream printing device or the CS-800 by using the shipped grounding cable by fixing the contact pins to the tray (using the screw, the nut and the chopper disk) (see the two small arrows in 4).



Please see chapter 7 Accessories, on page 21 for further information about the universal paper catch tray.

6 Service

6.1 Maintenance and support



Cleaning

Prior to cleaning the machine, it has to be disconnected from the mains outlet.

When cleaning the metal parts of the machine, do not use liquid or spray cleaners, but only a cloth dampened with water.

Paper dust or inks stains on the transport belts can be effortlessly removed with standard glass cleaning agent. Use a damped cloth for cleaning.

If there are leftover paper snippets caught in the belt gaps, remove them using a forceps.

6.2 Troubleshooting

6.2.1 The conveyor transport belts are not moving

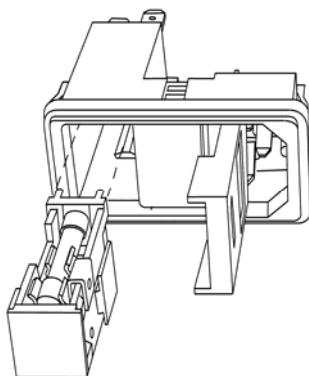
- It is possible the Overload function was activated (due to a blocked belt). Switch off the device for approximately 15 s and turn in on again. Please see section 5.5 Paper transport, on page 16.
- Check the correct connection of the power cord.
- Check the fuses of the CS-800.

Fuse exchange



Attention!

Disconnect the device from the power outlet before exchanging the fuses.



Data

Type	Glass tube microfuse
Dimensions	5 x 20 mm
Voltage	250 V
	1 A T
Amount	2

Figure 1: Exchange of the fuses



Use a flat screwdriver to swing open the fuse holder cover. Take the holder out of the power input module. Both fuses need to be intact. Change the blown fuses and insert the holder again.

6.2.2 The products slip unjustified/twisted onto the conveyor

- Please control the position of the transport wheels (see section 5.4 Transport wheels, on page 15).
- Ensure the products to be fed centered on the conveyor.
- Ensure that the height of the conveyor is a little bit lower than that of the upstream printer.
- Adjust the transport speed according to that of the upstream device.

6.3 Technical Support

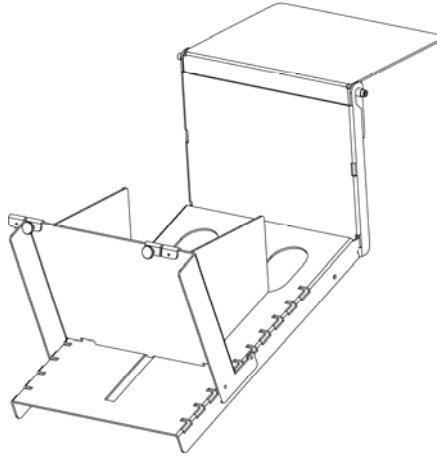
If you experience technical issues or problems that aren't mentioned or solved in this User Manual, please contact your local authorized Neopost dealer.

Please prepare the following information about your device:

- Exact name of the device (label plate).
- Serial number and year of manufacture (label plate).
- Occasionally: The installed firmware version of the device (will be displayed during the machine initialization, after switching the device on).
- Occasionally: Information about PC software used in connection with the device.
- General information about peripheral devices (conveyors, dryers, feeders, etc.).
- A detailed description of all failures and error messages.

7 Accessories

7.1 Universal paper basket



Name

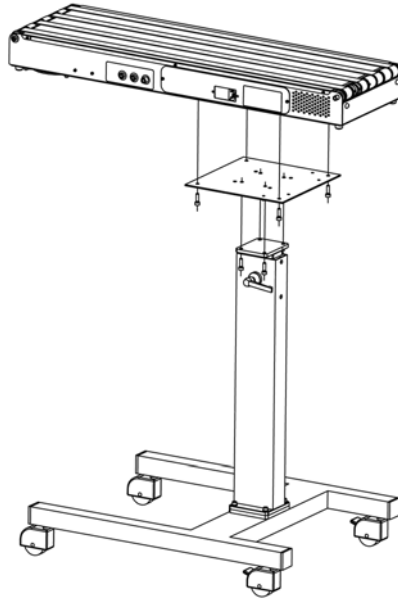
Part number

Universal paper basket
4135468D (R0613.2.060)

Application

Can be attached to the Neopost CS-800/ CS-800HR conveyor or any Neopost Table Top Printer.

7.2 Stand on rolls



Name	Stand on rolls for Neopost CS-800/CS-800HR conveyor
Part number	4135469E (R0358.5.905)
Application	Stand on rolls for the Neopost CS-800/CS-800HR conveyor, adjustable in height.
Dimensions L x W x H	660 x 500 x 730 mm / 26.0 x 19.7 x 28.7"
Height min. (conveyor)	800 mm / 31.5"
Height max. (conveyor)	1000 mm / 39.4"
Weight	15 kg / 33.1 lbs

How to assemble the stand on rolls

Assembly

- Mount the height adjustable pillar to the rolls.
- Attach the square plate onto the adjustable pillar.
- Mount the conveyor on the stand on rolls and secure it, using the enclosed screws.



Fixing screw

Do not loosen the fixing screw (see Figure 9) before mounting the conveyor onto the stand on rolls! Inside the pillar is a pressurized spring that will forcefully expand if the screw is loosened.

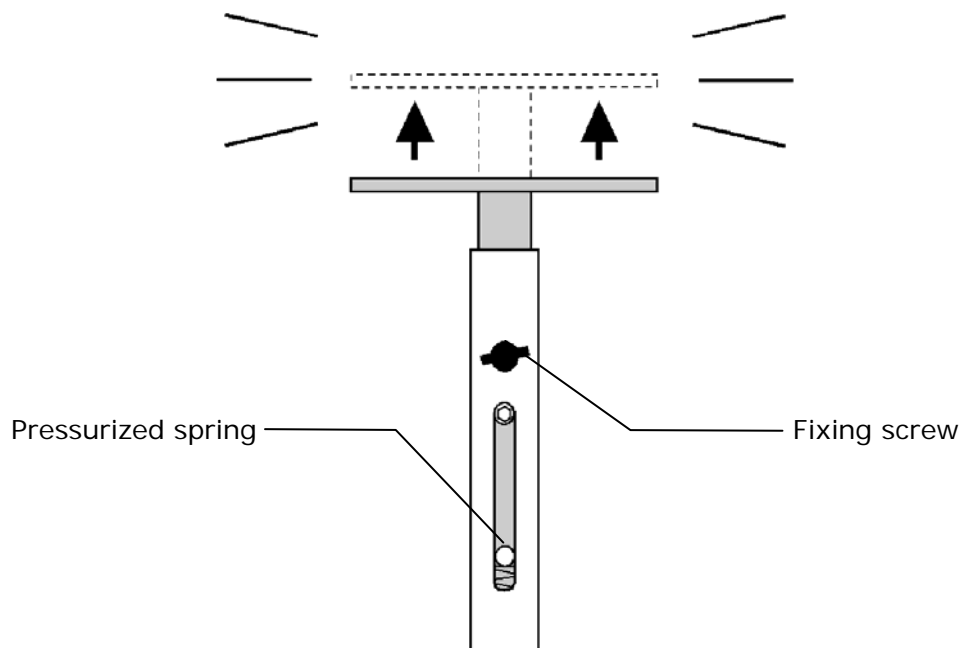
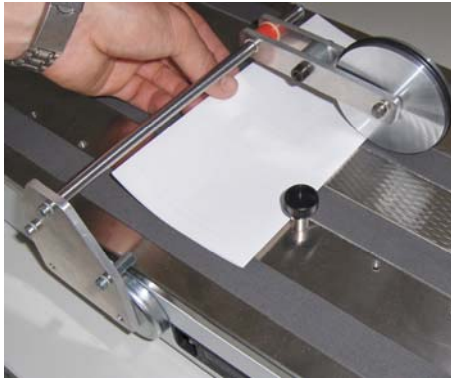


Figure 9: Warning: Fixing screw

7.3 Bump Turn kit for Neopost CS-800



Name

Bump Turn kit for Neopost CS-800

Part number

9200276V (R0358.2.920)

Application

The bump turn kit can be mounted onto the Neopost CS-800 Conveyor. It is an easy way to turn the transported products by 90°. Two bump turn kits can be mounted on one conveyor to achieve a 180° turn.

8 Technical Specifications

Transport speed	0.2 – 0.9 m/s / 39.3 – 177.1 ft./min.
Material format min. (width x height) (width = in material transport direction)	54 x 50 mm / 2.1 x 2.0"
Material format max. (width x height) (width = in material transport direction)	Not determined by conveyor x 286 mm / Not determined by conveyor x 11.3"
Material thickness min.	Not determined by conveyor, recommended value 0,1 mm / 0.004"
Material thickness max.	Depends on the application
Product weight max.	1 kg / 2.2 lbs per product (recommended), 3 kg / 6.6 lbs max. overall weight for shingle mode (recommended)
Shingle mode	Yes
UV Dryer applicable	No
IR Dryer applicable	No
Interfaces	No
Dimensions L x W x H	860 x 286 x 86 mm / 33.9 x 11.3 x 3.4"
Weight	10 kg / 22.1 lbs
Power supply	100 – 240 VAC at 50 ~ 60 Hz
Temperature conditions	10 - 31°C / 50.0 - 87.8°F 20 - 80% relative humidity (non-condensing)
Certifications	CE, UL, cUL, RoHS

8.1 EC declaration of conformity



Products presented in this guide conform to requirements of the following directives:

EC-directives

EC directive	Year / Register No.
Machinery directive	2006/42/EG
EMC directive	2004/108/EG

Standards used

Technical specification	Standard
Safety of machines	DIN EN ISO 12100 1:2004-04
Protective device including safe distance	DIN EN ISO 13857:2008
Noise emission	DIN EN ISO 11200:2009
Safety of electrical office machines	EN 60950-1:2006-11
Noise immunity	DIN EN 55024 :2003-10
Perturbing radiation	DIN EN 55022:2008-07
Industrial interference resistance	DIN EN 61000-6-2:2006-03
Interference resistance against:	
Discharges of static electricity	DIN EN 61000-4-2:2009-12
High-frequency electromagnetic fields	DIN EN 61000-4-3:2008-06
Fast transient electrical disturbances	DIN EN 61000-4-4:2005-07
Surges	DIN EN 61000-4-5:2007-06
Conducted disturbances, induced by high-frequency fields	DIN EN 61000-4-6:2009-12
Magnetic fields with energy frequencies	DIN EN 61000-4-8:2009-10
Short time disruptions, Voltage drops, fluctuations	DIN EN 61000-4-11:2005-02
Limit values for harmonic currents	DIN EN 61000-3-2:2006-10
Limit of voltage changes, -fluctuations and flicker in public low voltage mains	DIN EN 61000-3-3:2009-06

9 Index

Cleaning	9, 18	Repairs	9
Continuous mode	16	Scope of delivery	11
Delay	16	Service	9, 18
Disposal.....	10	Setup	13
Fuse.....	19	Shingle mode.....	16
Location.....	10	Spare parts	9
Maintenance	18	Speed	12, 16
Overload.....	12, 16, 19	Step/Continuous	16
Paper catch tray.....	17	Support	18
Paper transport.....	16	Technical Specifications.....	25
Pictograms	7	Technical Support.....	20
Place of installation.....	8	Transport direction	12
Power cable.....	13	Transport speed	25
Power supply	25	Transport wheels.....	15
Product thickness.....	25	Troubleshooting	19

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