

SP PLUS OFFLINE

Operating Manual

ENGLISH

SP + Offline – Operating Manual

Functioning:

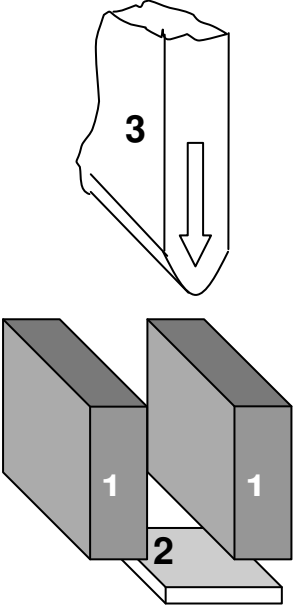
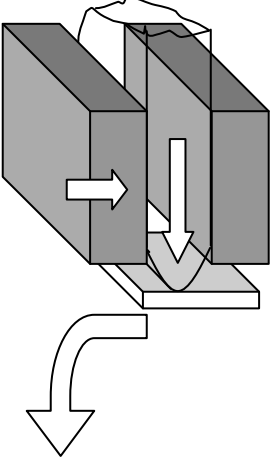
The SP plus is shown on the right with the optional stand. The stand is equipped with a basket for the finished booklets. The infeed and removal slot for the booklets is located at the top of the unit. The unfinished booklets are deposited above the handwheel.

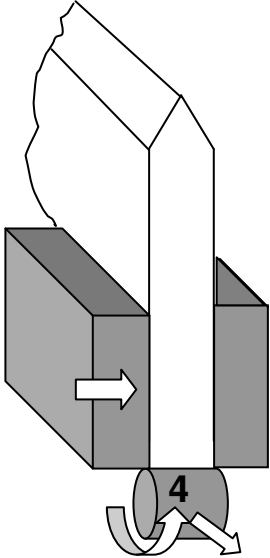
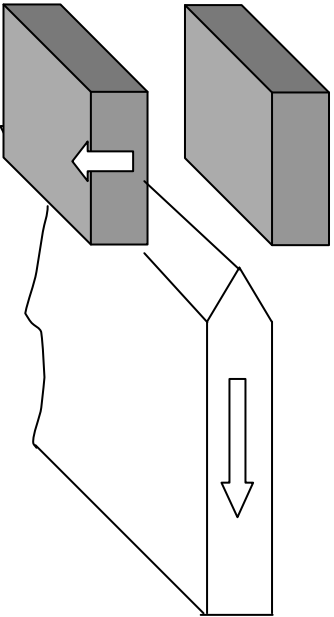
The SP plus is equipped with a roller that passes along the spine of the booklet to press the round spine into a square shape. It is important to adjust the projection of the booklet spine correctly at the handwheel. The exact value depends on the booklet thickness, the radius of the spine and the paper quality.

There are “hard” papers that require two roller passes along the spine for a good result. The maximum booklet thickness that can be processed depends on the paper quality. It should not exceed 5 mm with folded booklets.


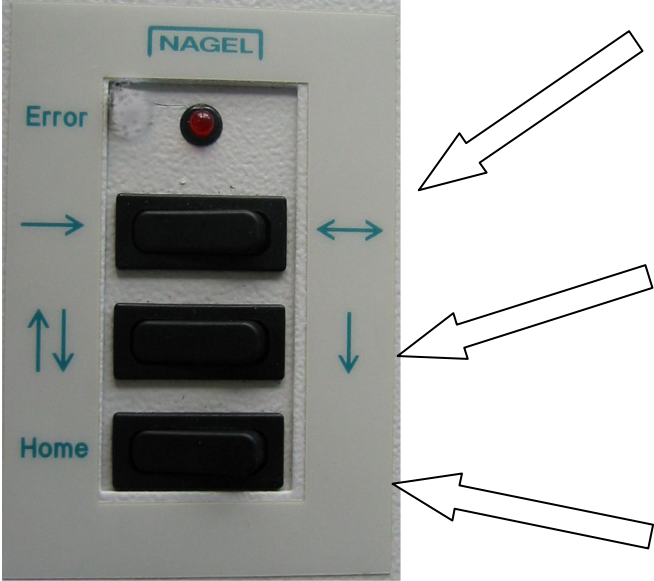


The spine-pressing process can be divided into the following steps:


<p>1) Infeed</p> 	<p>The clamping bars (1) are open. The stop (2) is in working position. The forming roller (not shown) is in its lateral parking position. The booklet (3) is fed by the operator from above.</p>
<p>2) Stopping and clamping</p> 	<p>The booklet is aligned by the stop on which it rests. The clamping bars are closed. The stop is swung away by the passing forming roller.</p>

<p>3) Forming</p> 	<p>The clamping bars remain closed. The forming roller (4) passes along the booklet spine and flattens it.</p>
<p>4) Opening of the clamping bars and removal of the booklet</p> 	<p>The forming roller is once again in lateral parking position. The clamping bars are opened. The booklet falls down and out of the unit or is removed by the operator at the top.</p>

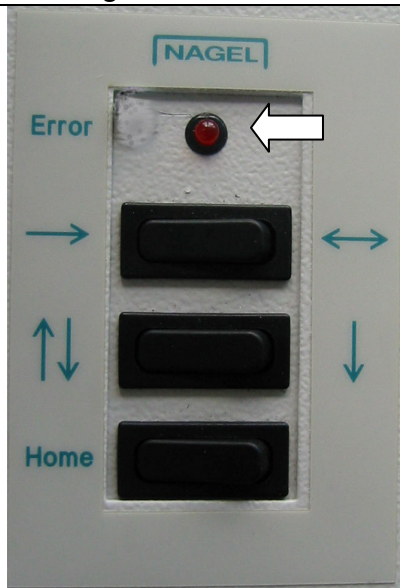
Function of the controls

	<p>On/Off switch: For switching on the device, located on the right side of the device. There are two fuses to the right of the IEC power connector; please always replace these with fuses of the same rating. 2.5 A time-lag fuse for the power supply unit 4 A time-lag fuse for the forming roller. The fuse keeps the forming motor from burning out</p>
	<p>Double pass switch For changing between a single and a double stroke of the forming roller In units with software version 1.46 or higher, the operator can read out the error code by actuating the double switch.</p> <p>Removal mode switch The booklet falls down through the unit or must be removed at the top. Booklets smaller than A5 size cannot be taken out at the top.</p> <p>Home position switch The unit returns to home position. If you keep the switch pressed, the software version is indicated by the flashing of the LED (software version 1.39 or higher)</p>

Handwheel for adjusting the thickness

	<p>If there are no reference values for thickness yet, start with the smaller values. To do so, turn the handwheel all the way to the right to the symbol for a thin booklet. If the values are too high, the booklet spine is jammed and creased.</p>
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LED signals



The signals of the LED depend on the software version up to version 1.40

LED	lit	flashing
red	error	system error

versions 1.41 to 1.45

LED	lit	flashing
red	error	machine busy

version 1.46 or higher: two-colour LED

LED	lit	flashing
red	error	error code
green	machine ready	machine busy

In units with software version 1.46 or higher, the double pass switch can be actuated to read out the error code. For a description of the code, see the chapter "Troubleshooting".

Troubleshooting

The booklet shows wrinkles:

If the spine of the booklet projects too far, too much material must be pressed and formed. This produces wrinkles. Reduce the setting for booklet thickness at the handwheel.

The cover sheet is cut at the edge of the square fold

Use a thicker cover sheet.

Reduce the setting for booklet thickness at the handwheel.

The booklet spine does not show a sharp square fold

Increase the setting for booklet thickness at the handwheel.

Staple is not centred.

Make sure the booklet is not distorted during infeed.

For very thick booklets, it may help to increase the folding pressure in the Foldnak, so that the booklet becomes flatter and can be fed more easily.

The square is only formed on one side of the booklet

If the unformed part always appears on the same side after a single roller pass, check if: the stop is not parallel to the clamping bar or the clamping bars themselves are not parallel (call a service engineer).

The rear clamping bar might be closed too far and present an obstruction on one side when the booklet is fed into the unit. There should be a gap of approx. 15 mm between the bars. In case of deviations, have a service engineer adjust the cam.

If the unformed part appears alternately on the left and right side of the booklet after a single roller pass, the clamping bar may be dirty so that the booklet is shifted under the forming pressure.

The booklet is jammed in the unit.

Press the Home button and then try to remove the booklet. If this is not possible, open the clamping bars manually using a size 5 Allen key. Insert the key through the opening provided on the right side of the machine and turn it counterclockwise.

Description of LED error codes

In units with software version 1.46 or higher, the error code read-out is activated by means of the double pass switch. These codes can help the service engineer diagnose faults more quickly.

The code consists of 3 signs:

	Function	Error	Attribute
1	Home position	Clamping bar	closed / left / pos1 / trimmer
2	Infeed	Roller	open / right / pos 1 / staple empty
3	Press stroke	Jam	misc. / EEPROM / pos3
4	Roller	Stop	home position not OK
5	Stop	Onlinebox	

e.g.: long interruption – 4X short – interruption - 2x short – interruption – 2x short = Error 422

= Timeout error of roller during movement to the right:

111	Home position clamping bar closed
123	Home position roller EEPROM - error
120	Home position roller left or right
131	Home position clear infeed area
151	Trimmer not OK (DIP 6-mode)
152	Staples empty (DIP 6-mode)
231	Timeout infeed belt (paper jam)
314	Pressing stroke clamping bar not open
341	Paper under stop (paper jam), infeed too fast
311	Clamping bar closed timeout
312	Clamping bar open timeout
332	Jam under clamping bar, timeout infeed belt pos2
333	Jam in front of clamping bar, sensor booklet
424	Roller is not in home position
423	Roller sensor error
422	Timeout roller to the right
421	Timeout roller to the left
541	Timeout stop closed
542	Timeout stop open

KONFORMITÄTSERKLÄRUNG DECLARATION OF CONFORMITY DÉCLARATION DE CONFORMITÉ

Wir/ We/ Nous:

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erklären in alleiniger Verantwortung, daß das Produkt/
declare under our sole responsibility that the product/
déclarons sous notre seule responsabilité que le produit

Gerät

SP plus Offline

auf das sich diese Erklärung bezieht, in Übereinstimmung ist mit den Bestimmungen
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to which this declaration relates is in conformity with the essential requirements of
EC directives/
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89/336/EEC	und Änderungen/ and amendments/ et amendements
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73/23/EEC	und Änderungen/ and amendments/ et amendements

unter Anwendung der folgenden harmonisierten Normen/
by applying the following harmonized standards/
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EN 60204-1	06.93
prEN 1010	10.99
EN 60950	08.92, + A1 + A2 + A3 + A4 + A11
EN 55022	09.98 Klasse B/ class B/ classe B
EN 55024	09.98
EN 61000-3-2	04.95 + A1 + A2 + A14
EN 61000-3-3	01.95

Jahr der Anbringung der CE-Kennzeichnung/
Year of affixing the CE marking/
L' an de l' application de la marque CE: 2005

Stuttgart, April 22, 2005

Ort und Datum/
Place and date/
Lieu et date



Geschäftsführer/
Managing Director/
Gérant

History 9965023:

Rev. 1.0 15.4.2002

Rev. 1.1 29.6.05, Seite 2 Abhängigkeit von Papierbeschaffenheit

Rev. 1.2 04.07.2005, Überzählige Errorcodes entfernt. (die nur für Online gelten)

Rev. 1.3 20.2.06 In Konf. Erkl. Stand Online, durch Offline ersetzt, Titel Gérant geändert

Rev 1.4 3.04.06 Creases durch Wrinkles ersetzt, T/N 5023 durch 5025 ersetzt

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