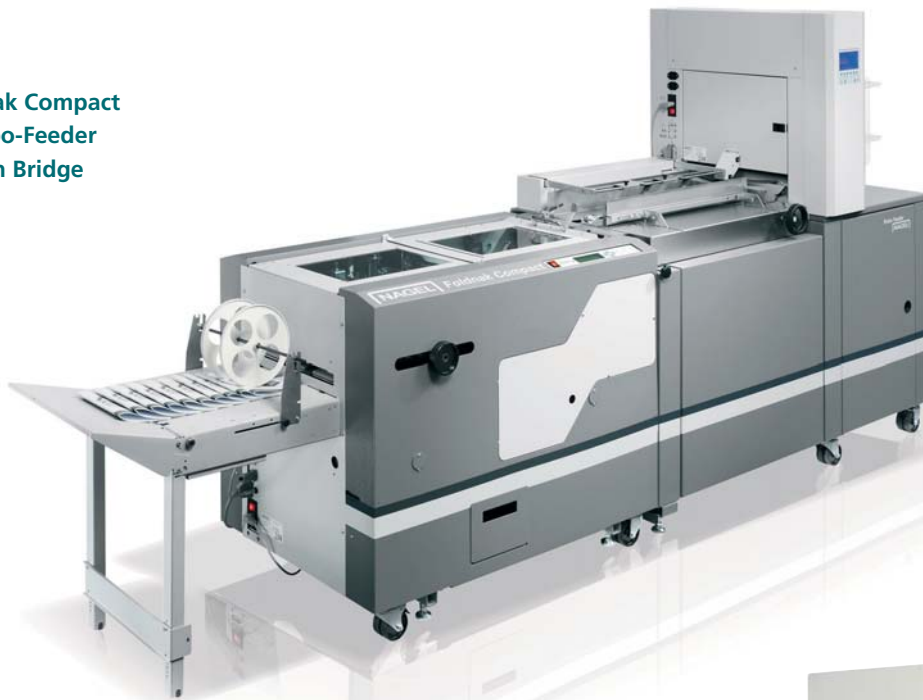


Bookletmaking

Versatile. Flexible. Efficient.

NAGEL Foldnak Compact
Line with Robo-Feeder
and Collection Bridge



NAGEL Bookletmaking Line
with S8 collator, Tray, Foldnak 100,
Trimmer 100 and SP 100



Making printings alive

NAGEL

NAGEL S8

For finishing professionals

The S8 suction feed collator is tailored to the specific needs of medium-sized print shops and binderies. Due to its extremely short set-up times, the S8 is particularly suited for frequently changing run lengths. It can be operated with one, two or three towers, as needed. With three towers, the S8 can collate up to 24 sheets/96 pages.

Threefold performance

Each tower can be used separately and has a maximum output of 5,000 sets per hour – the large capacity of the individual bins makes frequent reloading unnecessary. The Nagel S8 is very flexible in its application: At the push of a button, the user can switch from three-tower to single-tower operation. The unit delivers to the right or the left.

The speed can be adjusted infinitely and there is only one set in the machine at any time. This prevents paper jams and spoilage. All 24 bins of the S8 have an automatic miss feed and double feed detector and will not draw in overlapping sheets.

The separate suction and blast air adjustment for each tower is particularly useful when sheets of different paper types are collated. Due to the smart suction belt design and the easy make-ready, even inexperienced users can set up the machine after a short instruction.

The S8 can be operated also in the Robo-Feeder-Mode. Thus 8 tables are available for paper feeding which can be programmed individually and selected variably. The independence from printing process is an enormous advantage for the bookletmaking; Particularly if digital and offset prints should be collated into one and the same brochure.



**NAGEL S8 collator in
bookletmaking line
with Tray and Foldnak 100**

Technical specifications

| | |
|----------------------------------|--|
| Sheet separation | Suction belt with air-blast |
| Max. capacity cover bin (mm) | 130 |
| Max. capacity bins 2–7 (mm) | 65 |
| Bins per tower | 8 |
| Operation | LCD-Display |
| Sheet size min./max. (mm) | 110 x 160 / 364 x 520 |
| Recommended paper weight | 45–240 gsm depending on paper quality and atmospheric conditions |
| Speed max. (sets/h) | 5,000 |
| 2 or 3 tower system | • |
| Total counter | ✓ |
| Batch counter | ✓ |
| Sheet insert mode | ✓ |
| Block mode (linking bins) | ✓ |
| Double feed detector | ✓ |
| Sheet length detector | ✓ |
| Miss feed detector | ✓ |
| Empty bin | ✓ |
| Paper jam detector | ✓ |
| Robo-Feeder-Mode | ✓ |
| Offsetting stacker (60 mm max.) | • |
| Criss-cross jogger (120 mm max.) | • |
| Hand marrying unit | • |
| Stand | • |
| Power supply | 230 V 50 Hz 1 kW single phase or 115 V 60 Hz |
| H x W x D net (cm) | 214 x 65 x 77 |
| Weight net/packed (kg) | 160/190 |

✓ *Standard*

• *Optional*

NAGEL Foldnak 100

Professional print finishing for a sophisticated bookletmaking

The automatic bookletmaker Foldnak 100 is powerful, fast and guarantee great benefits to the user.

The Foldnak 100 provides a productive and efficient solution for professional finishing due to the optional use of wire stitching heads. The modern bookletmaker comes with valuable features: an automatic format set-up, easy handling and an extraordinary wide range of sheet sizes. Large formats of modern digital printing (364 x 521 mm) can be processed as easily as small formats (105 x 148.5 mm). Thanks to the variety of formats and functions, booklets of different sizes and grammages can be produced. Stapling and folding, folding only or block stapling – or both in combination – finishing with the Foldnak 100 is simply versatile.



NAGEL Foldnak 100 – Hohner wire stitching heads

The Nagel bookletmaker provides several options for different production volumes of offset or digital prints. The Foldnak 100 comes either with wire stitching heads (Hohner or ISP) for high volumes or with the Nagel-Ri 210 stapling heads with integrated loop stapling function for shorter runs.

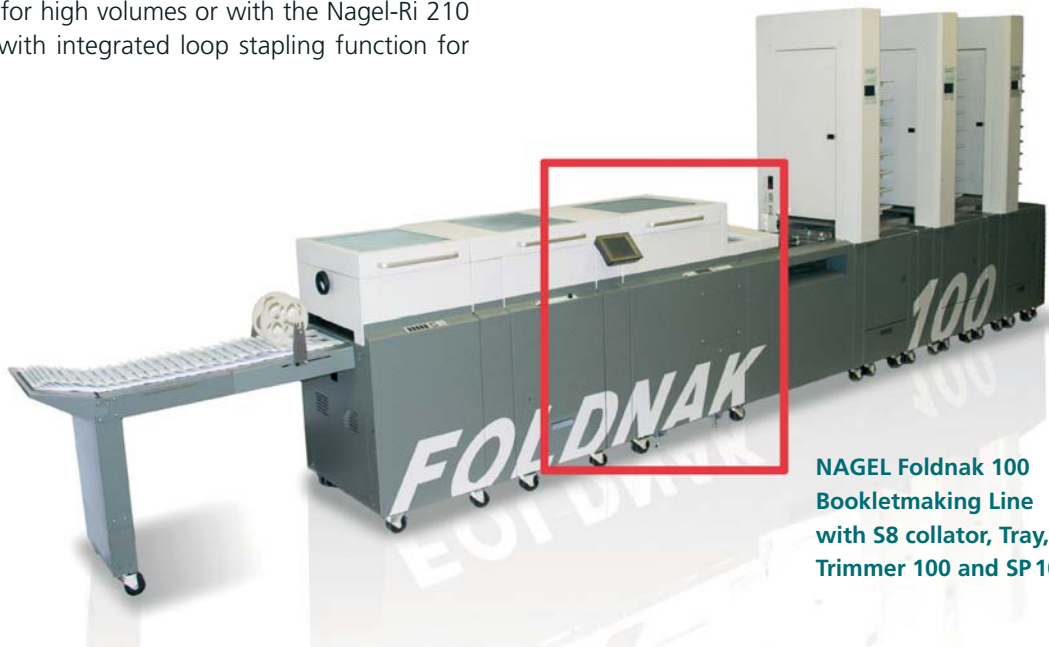
The operation via a control panel is fast and easy and the format change is automatically done by simply selecting a format with a push of a button. All standard formats are programmed and five customised formats can be stored.

The touch screen allows even less trained operators an intuitive and language independent operation of an extensive machine. This was achieved by the application of an easy to understand coloured icon menu and a limitation to the menu levels.



The size of the screen allows a clear layout of the icons and an easy finger touch operation

Due to his modular design the Foldnak 100 can be run as stand alone unit or thanks to its integrated collection station online with the Nagel S8 collator (for badge finishing), the Robo-Feeder (for single sheet finishing), the front trimming unit Trimmer 100 and the square pressing unit SP 100.



**NAGEL Foldnak 100
Bookletmaking Line
with S8 collator, Tray,
Trimmer 100 and SP 100**

Technical specifications

| Stitching / stapling heads | Hohner 43 / 6S | NAGEL Ri-210 | ISP |
|---|--|--|--|
| Type of staples | Wire | 26/6, 26/8 S, Ri 26/6 | Wire |
| Sheet size min. (mm) | 105 x 148,5 | 140 x 148,5 | 140 x 148,5 |
| Sheet size max. (mm) | 364 x 521 | 364 x 521 | 364 x 521 |
| Max. number of sheets (booklets, mm) | 2.5 (app. 25 x 80 gsm) | 2.5 (app. 25 x 80 gsm) | 2.5 (app. 25 x 80 gsm) |
| Max. number of sheets (pads, mm) | 3.0 (app. 30 x 80 gsm) | 3.0 (app. 30 x 80 gsm) | 3.0 (app. 30 x 80 gsm) |
| Max. sets/hour depending on format size | 3,000 | 3,000 | 3,000 |
| Mobile clenchers | ✓ | ✓ | ✓ |
| Stitching/stapling head positions (distances in mm) | continuous | continuous | 4 (88.5 x 63 x 88.5) 2 (63, 124 or 240) |
| No. of heads standard (max.) | ✓ 2 • max. 4 | ✓ 2 • max. 4 | ✓ 2 • max. 4 |
| Flat staples | ✓ | ✓ | ✓ |
| Loop staples | • | • | – |
| Staple capacity/head | app. 60,000–65,000 | 210 | app. 60,000–65,000 |
| Corner and edge stapling | ✓ | ✓ | ✓ |
| Staple/wire empty control | ✓ | ✓ | ✓ |
| Integrated collecting station | ✓ | ✓ | ✓ |
| Automatic side and front jogging | ✓ | ✓ | ✓ |
| Total counter (with reset function) | ✓ | ✓ | ✓ |
| Automatic release | ✓ | ✓ | ✓ |
| Wheeled stand | ✓ | ✓ | ✓ |
| Infeed belt and tray for hand feed operation | ✓ | ✓ | ✓ |
| Long conveyor | ✓ | ✓ | ✓ |
| Collator S 8 online | • | • | • |
| Trimmer 100 online | • | • | • |
| Robo-Feeder online | • | • | • |
| Power supply | 230 V / 50 Hz / 0.8 kW or 115 V / 60 Hz / 0.8 kW | 230 V / 50 Hz / 0.8 kW or 115 V / 60 Hz / 0.8 kW | 230 V / 50 Hz / 0.8 kW or 115 V / 60 Hz / 0.8 kW |
| H x W x D net (cm) | (without/ with conveyor) 115 x 72 x 118/186 | (without/ with conveyor) 115 x 72 x 118/186 | (without/ with conveyor) 115 x 72 x 118/186 |
| Weight net/packed (kg) | 220/260 | 220/260 | 220/260 |

✓ *Standard*

• *Optional*

– *Not available*

NAGEL Trimmer, Trimmer 100, 2S Trimmer

A cut above

The Nagel Trimmer modules give the booklet an accurate front trim and turns the stapled booklet into a perfect end product. Your advantages: No expenses for staff, fast processing, no operating errors and no intermediate stacking. Nagel quality pays off: The upper transport belts come together in the shape of a funnel – even thick booklets are fed without problems.

The Trimmer can be linked to the Foldnak 8, Foldnak 40 and SP + Online. It can also be integrated into an existing bookletmaking line.

The run-on of the transport belt can be adjusted to ensure that the front trim will be exactly parallel to the fold of the booklet. The booklets are pressed before trimming to make them lie flat and give them a sharp fold. This pressing function makes the Nagel Trimmer unique in its class.

Operating the Trimmer is easy: After a change of format, only the trimming position must be adjusted.

Trimmer 100 Integrated front trimming

With his speed, front function and design the automatic Trimmer 100 is perfectly suited to the automatic Nagel booklet-maker Foldnak 100.



NAGEL Trimmer

The format change is fully automated, driven by the Foldnak 100. The Trimmer 100 gives the booklet an accurate front trim and is an essential part of every bookletmaking system.

With the bypass function, the booklet can pass through the Trimmer without being actually trimmed; the Trimmer or the Trimmer 100 don't need to be disconnected.



NAGEL Trimmer 100 in the Bookletmaking Line with S8 collator, Tray, Foldnak 100 and SP 100

2S Trimmer

Two side trimming for a perfect look

The 2S Trimmer extends the Nagel product portfolio and is the ideal solution for 3-side trimming of brochures when combining the Trimmer.

The Nagel 2S Trimmer works inline to create a complete full-bleed booklet making system that is perfect for a wide range of on-demand applications. Brochures, manuals, reports, policy documents and many more can be quickly finished in one streamlined operation without the need for additional handling or finishing. The 2S Trimmer provides highly accurate cutting for booklets up to 100 pages (80 gsm). The 2S Trimmer can handle up to 25 sheets per booklet (20 LB Bond / 80 gsm, 100 page booklet) and can also be used as a stand-alone module for already front-trimmed booklets.

Technical specifications

| | Trimmer | Trimmer 100 |
|--|--|--|
| Booklet length min. (mm) | 105 x 105 | 74 x 149,5 |
| Booklet length max., folded (mm) | 320 x 230 | 320 x 260,5 |
| (with long knife) | (-) | (364) |
| Max. sets/hour – No. of cuts | 1.900 | 3.000 |
| Max. trimming width Standard/Optional (mm) | 320 | 320/364 |
| Max. thickness (mm) | 5 (app. 50 à 80 gsm) | 5 (app. 50 à 80 gsm) |
| Press station | ✓ | ✓ |
| Adjustable belt run-on | ✓ | ✓ |
| Upper transport belts | ✓ | ✓ |
| Format adjustment (fully automatic) | – | ✓ |
| Max. cutting width (mm) | 15 | 15 |
| Detection waste box filled to capacity | – | ✓ |
| Bypass mode | ✓ | ✓ |
| Power supply | 230 V, 50 Hz 0,6 kW or 115 V, 60 Hz 0,6 kW | 230 V, 50 Hz 0,5 kW or 115 V, 60 Hz 0,5 kW |
| H x W x D net (cm) | 87 x 55 x 96 | 106 x 72 x 51 |
| Weight net/packed (kg) | 160/250 | 160/180 |

- ✓ Standard
- Not available

The 2S Trimmer is an optimal addition to the Nagel Bookletmaking line, which consists of the bookletmaker Foldnak 100, the front trimming module Trimmer 100, the square pressing module SP 100 and the collator S8 or the Robo-Feeder. This is a complete and fast booklet-making line particularly designed for digital prints.



NAGEL 2S Trimmer

| 2S Trimmer | |
|-----------------------------|---|
| Booklet length min. (mm) | 204* (8,03") |
| Booklet length max. (mm) | 332* (12") |
| Capacity | up to 25 sheets (20 LB Bond / 80 gsm, 100 page booklet) |
| Paper weights (gsm) | 16 LB Bond < > 115 LB Bond 60 < > 300 gsm |
| Dimensions (H x W x D) (cm) | 110 x 70 x 150 |
| (inch) | (43.30 x 27.56 x 59.05) |
| Weight net (kg) | approx. 240 (530 pounds) |
| Power Supply | 50 Hz: 230 V, 2,0 A 60 Hz: 208 – 240 V, 2,0 A 60 Hz: 120 V, 4 A |

* Before trimming

NAGEL SP 100, SP 100 Compact, SP + Offline

Added value with spine finishing

The square pressing modul forms the spine of the stapled booklet to give it a look of a high-quality perfect bind. The spine can be printed on and the booklets no longer spring open, therefore making storage and packing much easier.



Booklets pressed with the square pressing moduls (left).
Without the square pressing moduls (right).

SP 100

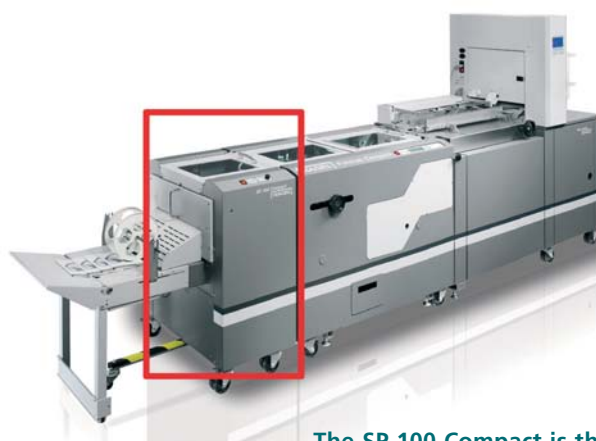
The SP 100 moduls are very flexible as an offline mobile finishing unit and also as an online version installed within the Foldnak 100 bookletmaking line.



NAGEL Bookletmaking Line with
S8 collator, Tray, Foldnak 100,
Trimmer 100 and SP 100

SP 100 Compact

The SP 100 Compact can be combined with the Foldnak Compact and the Foldnak Compact Line.



The SP 100 Compact is the
square pressing module of
the Foldnak Compact.

Technical specifications

| | SP 100 | SP 100 Compact | SP+ Offline |
|------------------------------------|---------------------|---------------------|---------------------|
| Booklet size min. (mm) | 70 x 105 | 70 x 105 | 105 x 105 |
| Booklet size max. (mm) | 305 x 364 | 305 x 364 | 250 x 350 |
| Max. sheets of booklet (80 gsm) | 30 | 30 | 30 |
| Speed (booklets/h) | | | |
| Single pass | 3.000 | 3.000 | 1.200 |
| Double pass | 2.500 | 2.500 | 1.000 |
| Bypass mode | ✓ | ✓ | – |
| Only press | ✓ | ✓ | ✓ |
| Power supply | 100–230 V 0,6 kW | 100–230 V 0,6 kW | 100–230 V 0,3 kW |
| H x W x D net (cm) | 106 x 72 x 83 | 86 x 38 x 71 | 40 x 75 x 42 |
| Weight net/packed (kg) | 100 | 100 | 71/91 |

✓ Standard

– Not available

SP + Offline

The SP + Offline operates independently of the rest of the finishing stand-alone device. The user achieves high functionality and ease of use of the SP + Online high throughput and operates efficiently.



NAGEL SP+ Offline