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Further Processing of Documents

For the **further processing** of documents following printing, BÖWE SYSTEC offers a whole series of inserting systems in a variety of performance categories. With today's inserting systems, it is frequently the **feed channel** which leads to bottlenecks in processing. For this reason, BÖWE SYSTEC places particular emphasis on the feed components in its development work. In order to provide the most **efficient** and secure processing possible with a wide range of paper types, BÖWE SYSTEC makes available an entire range of differing infeed components in a variety of performance categories – all from one source and ideally matched to the inserting systems. Optimum performance is the motto – **for every type of print output.**

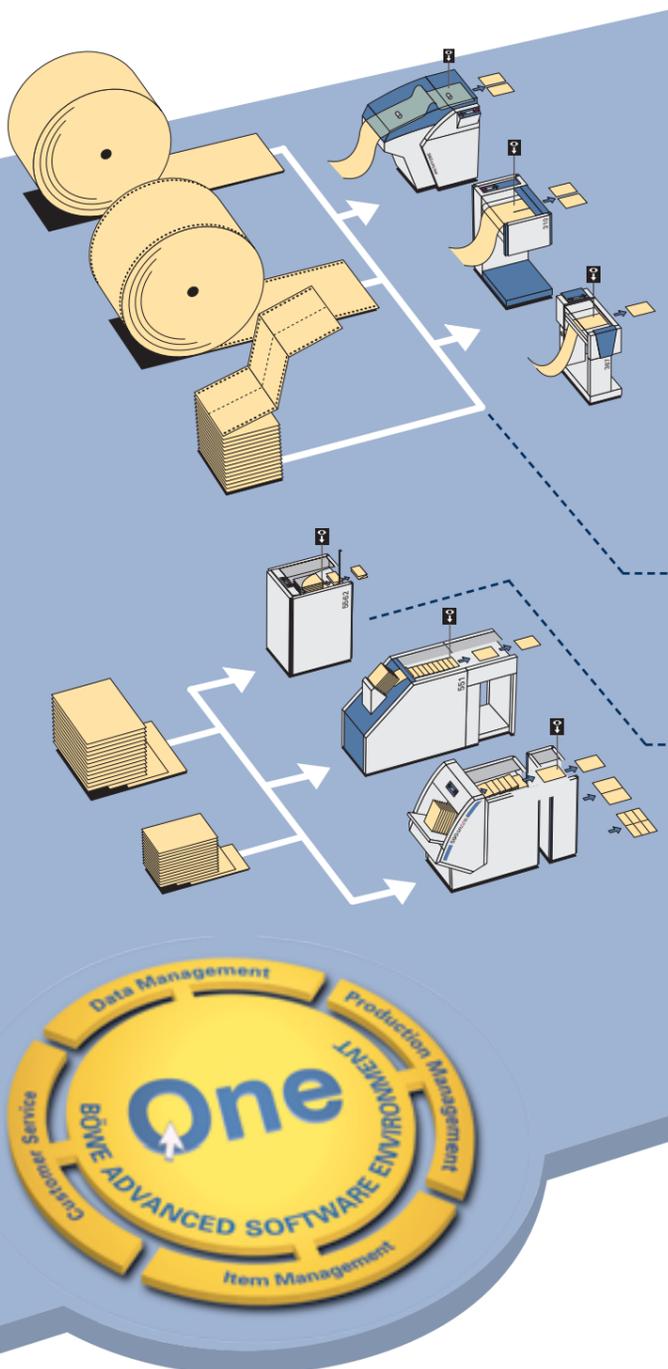
Continuous

- 1-up or 2-up
- Paper from the roll or stack
- Paper with sprockets or without (pinfed – pinless)

Cut sheet

- Formats up to DIN A3 / 11"–17"
- Stacking capacity depending on processing volume
- Processing of various paper qualities

The infeed components are available with **reading technology** for scanning the customary codes (OMR, Barcode, 2D-Code, OCR, etc.). In this way the basis is established for **intelligent processing** with the identification of the individual documents and internal tracking. Consequently, the infeed components practically constitute the interface to the **software**, for example, when dealing with data-bank support document processing.



Feeding in focus – the right choice from the start



We reserve the right to make technical alterations without notice.
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Modules

Infeed Components

Each customer inquiry is different and the various requirements, of the target sectors, demand the highest degree of system flexibility. Therefore, to cover the greatest possible range, while still making economic and logistic sense, BÖWE SYSTEC builds up its product palette in a modular way. Special modules are available for the individual functions and performance categories – this applies equally for the feeding components of the inserting systems.



367 – the Entry-Level Cutting System

As an “entry-level model” for processing continuous documentation with sprockets in the lower to medium performance segment, the 367 cutting system is the ideal partner. With a cutting capacity up to 12,000 per hour at 12”, the system is suited for peak-time and around the clock operation. The 367 cutting system delivers precisely-cut DIN formats and accurate strip and edge cutting. Thus, representing excellent value paired with the renowned BÖWE SYSTEC quality.

310 SPEED – the Classic Cutting System

For decades, the 310 SPEED cutter has been setting standards for the continuous cutting of documents with sprockets. With a cutting capability up to 19,300 per hour at 12”, the 310 SPEED is located in the medium to upper performance segment. It is characterized with reliable processing and high application flexibility. This includes easy adaptation to DIN formats, strip cutting, and a center slitting option for multi-column processing, etc.

380 STREAM – Cutting System in Top Form

Developed for the inserting systems in the upper performance category and suitable for fast feed processing with high assembling volumes, the 380 STREAM represents the pinnacle of the performance pyramid among BÖWE SYSTEC cutting systems. With a cutting speed up to 27,000 per hour, at 12” a throughput increase of up to 20% can be achieved with numerous system configurations. 380 STREAM processes pinfed or pinless, DIN or inch formats, 1-up or 2-up, with exemplary smooth running features. In terms of ergonomics and design, the system sets completely new standards. The cutting unit is designed as a cartridge which can be replaced with just a few twists of the wrist, making service easier. The semi-automatic paper infeed simplifies operating considerably. The newly-developed principle of the paper loop relaxes the paper and considerably reduces noise levels.



Cut Sheet Feeder 551 SPEED – the Variable Multi-Talent

A multi-talent for the medium to upper performance categories is the cut sheet feeder 551 SPEED. Thanks to a new drive and an optimized control mode, 551 SPEED achieves a feeding speed of up to 28,000 DIN A4 sheets (with reading) per hour. The system also demonstrates its flexibility in the formats it can deal with. It processes from DIN A5 to 14”, portrait and landscape formats. The option of the middle and edge cut, the integrated turning unit and the freely-programmable reading facility makes the single sheet feeder 551 SPEED so variable in use. With a high feeding capacity of 2,000 sheets, it is also convenient and easy to use.



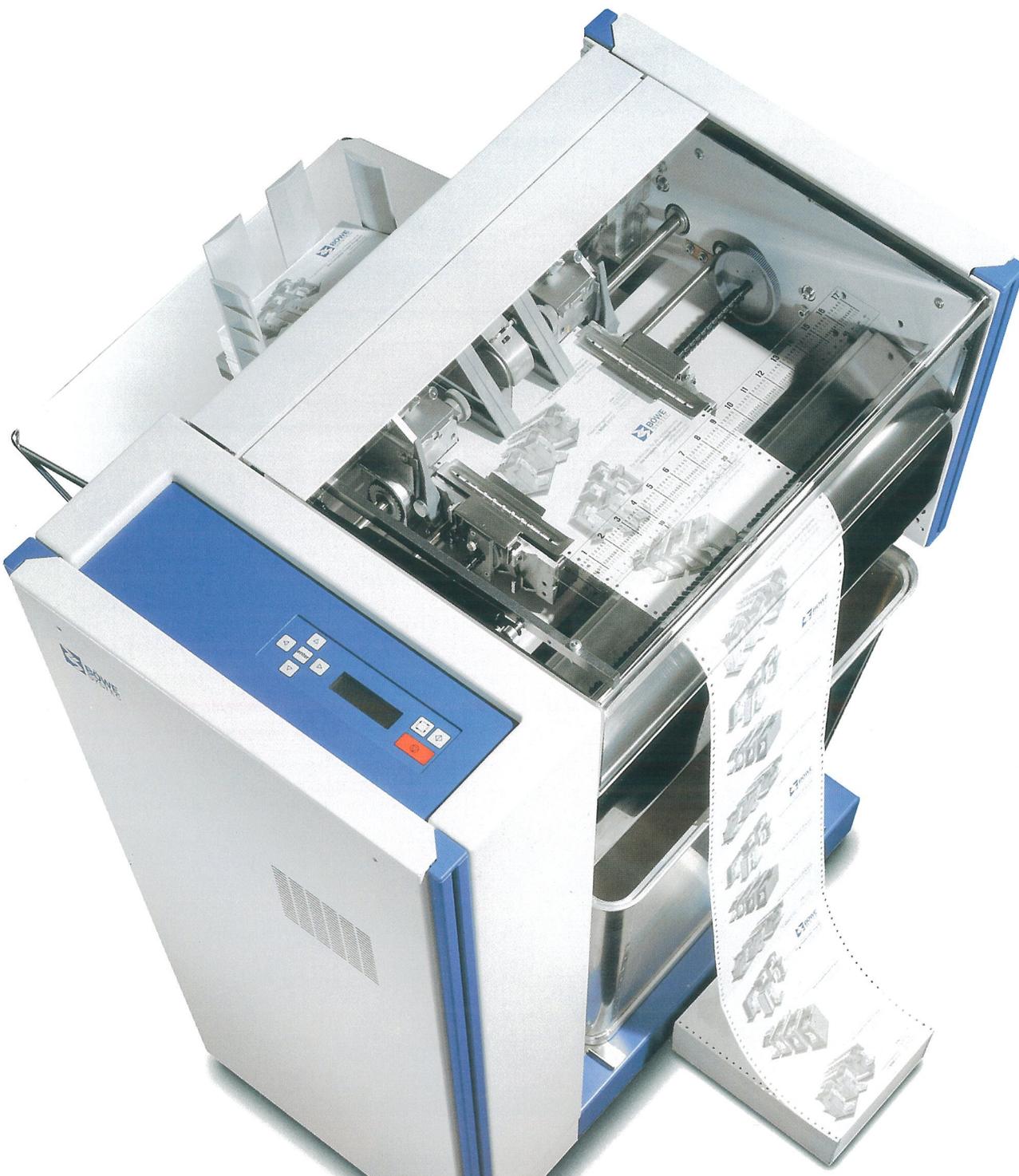
Cut Sheet Feeding System 590 SPEED – One for All at Highest Performance

The inserting systems in the upper performance segment are becoming faster all the time, and the infeed components must follow suit. To exploit the greatest possible performance of the entire system here is the 590 SPEED series. With feed speeds of up to 54,000 sheets DIN A4 (with reading) per hour, the sheet feeder sets new standards in intelligent single-sheet processing. Integrated sound proofing for lower noise emissions, double-sheet monitor with ultrasonic sensor and a high feeding capacity of up to 5,000 sheets DIN A4 make the 590 SPEED the fastest, most reliable, ergonomic and user-friendly cut sheet feeding system from BÖWE SYSTEC. Modularity is realized within the series too. All functionalities from paper infeed (e.g. DIN A4 to DIN A3 formats) to reading, strip cutting and center slitting are possible – just one for all.



Cutting System

310 speed



310*Speed*

Precise cutting at top speed

Individual requirements demand individual solution. BÖWE SYSTEC is the supplier of systems for processing continuous documents and single sheets. Cutters in various performance categories are available for the cutting of continuous paper.



Cutting System 310 Speed

The classic among cutters is even faster

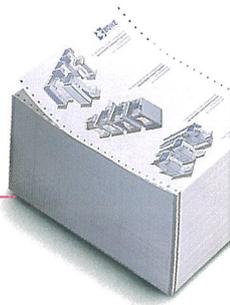
The cutter model 310 has set standards in the cutting of continuous forms for years. Increased performance means an increase of up to 40% in cutting speed. This will be appreciated above all by industrial concerns and institutions who must process a very high quantity of forms in a short period of time.

Increased performance while retaining proven 310 technology

The cutter model 310 Speed impresses thanks to its reliable processing, expandability and versatility:

- ▷ The feed-graduation can be switched between 1/6" and 1/8" steps
- ▷ DIN formats can be programmed corresponding to DIN tolerance
- ▷ The cutting speed is adjustable for processing various materials
- ▷ Thanks to the strip cut, perforated edges can be cut out with 100% certainty
- ▷ One or more center slitters allow continuous webs printed in multiple columns to be processed
- ▷ Depending on requirements, a dropping or conveyor stacker are available as options
- ▷ With optical mark recognition (OMR) the 310 Speed becomes a versatile cutter.
The OMR recognizes the control marks made by the printer

310speed



Investment in the future through modern design and top quality

Operator friendliness thanks to an ergonomically designed operating panel

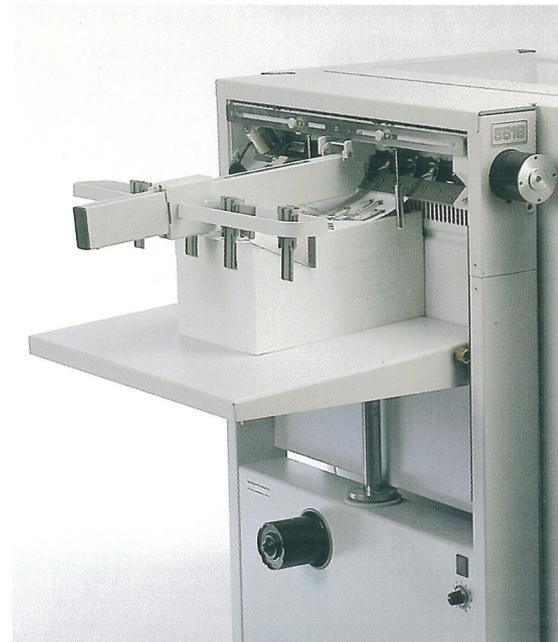
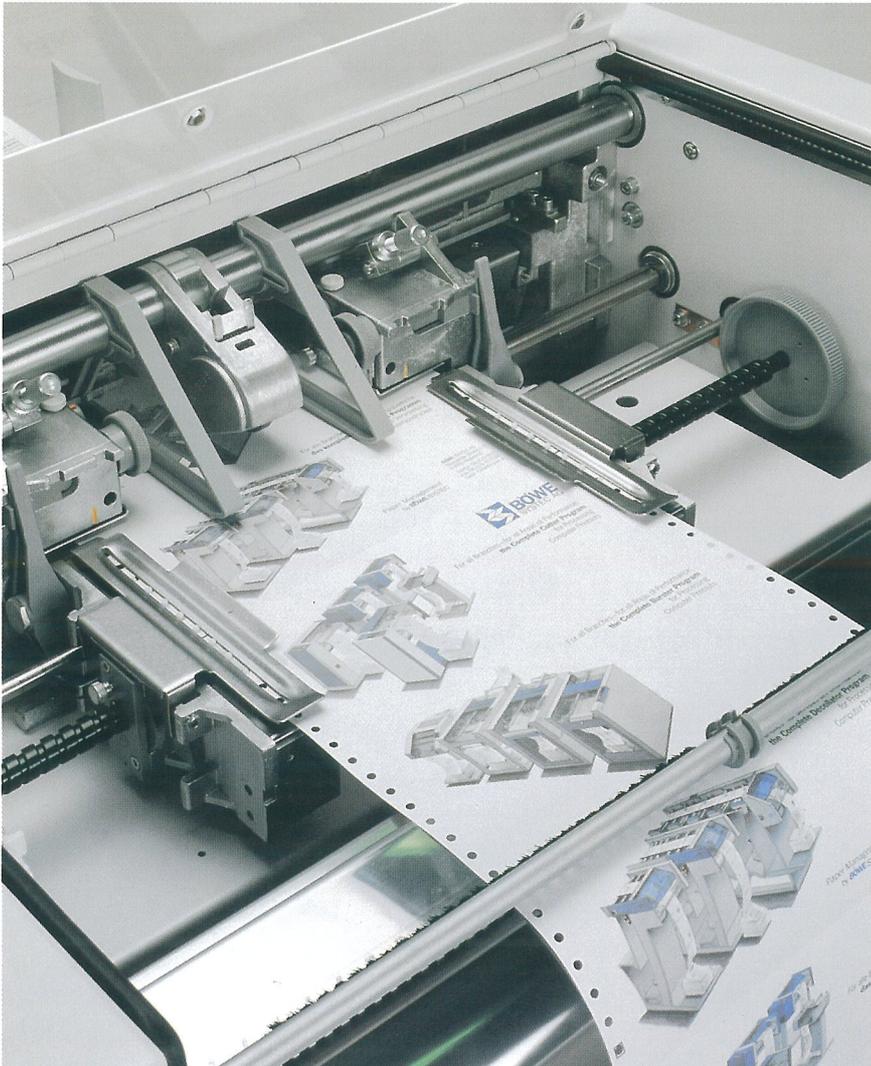
Through consistent development the 310 Speed fulfills the highest demands on operator friendliness. Standard formats are pre-programmed, customer-specific formats can be programmed and called up in a matter of seconds. A total of 41 different formats can be stored. A clearly laid out operating console shows the current operating status at all times.

Safety is given priority

The safety of the operators is ensured by covers on all moving parts. A transparent safety and sound-proofing cover on the infeed area of the cutter provides noise reduction and allows continual optical monitoring of the cutting process.

Consultancy and service

The BÖWE SYSTEC Organization offers national and international competent consultancy and service.



Dropping stacker 5518 (option)

Central width adjustment and center slitter as standard equipment

310speed

Technical Data



Standard equipment

- Adjustable speed
- Central width adjustment
- Center slitter
- Margin trimmer
- Chopper for margin strips
- Long-life blade 80°
- Fine adjustment of cutting position
- Microprocessor control
- Memory for 41 jobs
- Multi-format programs
- Automatic stand-by
- Transparent and hinged protective cover
- Stacking table
- Waste paper bin

Connected loads

- Voltage230V ± 10%
- Single-phase AC50/60 Hz
- Power input440 W
- Heat emission440 J/s

Dimensions and weight (approx.)

- Length with standard stacker910 mm
- Width944 mm
- Height1,063 mm
- Weight155 kg

Paper formats

- Form width (input)..... 90 - 510 mm
- Form width (output).....70 - 470 mm
- Margin trim 10 - 25 mm optionalup to 35 mm
- Form height 2" - 17" optionalup to 30" adjustable in steps of1/6" or 1/8"
- Height of cross strips.....1/6" - 9/6"
- Format height when using a stacker
 - Standard stacking table 2 1/2" - 13"
 - Dropping stacker..... 3" - 17"
 - Conveyor stacker 2 2/6" - 13"

Paper weight

- Single web40 - 170 g/m²
- Multiple forms set.....90 - 200 g/m²

Cutting performance

Single cut

Form height		Forms/h
3"	up to	38,100
4"	up to	34,500
6"	up to	29,400
8"	up to	24,800
10"	up to	21,600
12"	up to	19,300

Double cut (1/6" wide strip)

Form height		Forms/h
3"	up to	22,500
4"	up to	21,200
6"	up to	18,900
8"	up to	17,200
10"	up to	15,500
12"	up to	14,300

Options

- Long-life blade 45°
- Double blade for 1/6" strip cut
- Motor-driven width adjustment
- Margin trimmer 35 mm
- Antistatic protection for margin strip chopper
- Additional center slitter
- Intake guidance for webs with only one tractor margin
- Optical mark recognition (OMR)
- Paper loop control switch
- Jam detection
- Dropping stacker
- Conveyor stacker

Some illustrations also show optional equipment.



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