MÜLLER

FLEXIBLE PAPER HANDLING SOLUTIONS
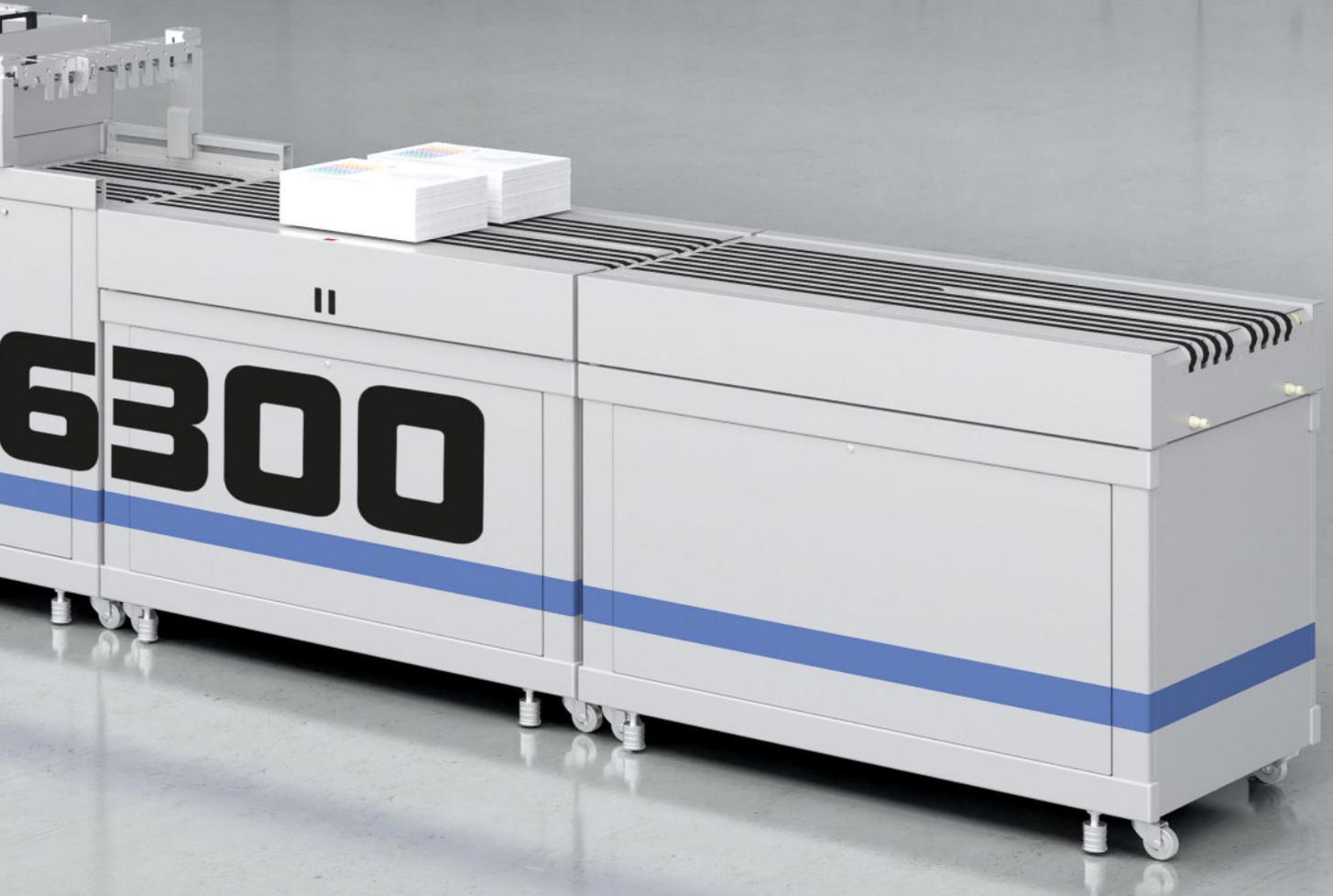
6100
6300

COMPACT WEB CUTTING SYSTEMS

6300

MÜLLER 6100
MÜLLER 6300
COMPACT
WEB
CUTTING SYSTEMS

Transactional correspondence such as invoices, reminders or official notifications are processed efficiently and productively by the various configurations of the Müller 6100 and 6300 web cutting systems. All common formats from 4 to 16 inches are possible — no matter whether the documents come from a roll or a fanfold stack, whether pinfeed or pinless.

Single or double cuts trim the gross format to the desired net format at up to 18,000 cycles per hour. The system can handle 100 different cutting patterns thanks to sufficient memory capacity. These can be conveniently stored in the system and called up at any time via the display.

The wide range of possible combinations allows the system to be configured according to the desired requirements. In addition to cutting, the Müller 6100 and 6300 enable perforation, code reading and merging of specific groups.

At the end of the process, the paper is placed: as a manual stack, stack with or without group separation or as a single sheet in shingled sequence.

Configuration flexibility • customer-specific system design
Flexible processing • pinfeed or pinless, 1-up to 3-up
Ease-of-Use • central display, short set-up times
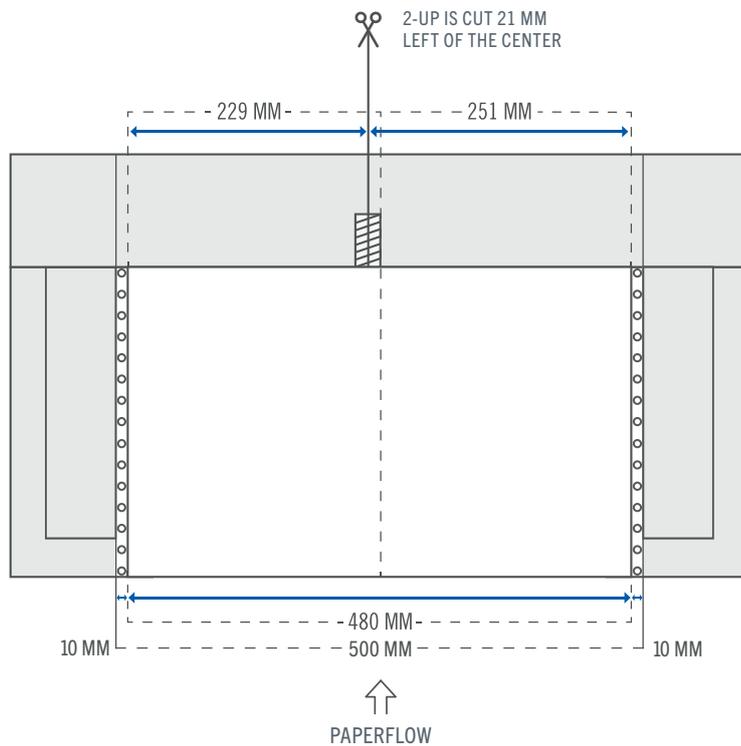**Printing sequence** • slalom or parallel printing

MÜLLER 6100 – CUT & STACK

Cutting fanfold paper from the stack in 1-up to single sheets is the classic job for the stand-alone cutting system from Müller. This can be done with a single or double cut (cutting out the fold edge). Up to 500 sheets can then be placed on the receiving tray. The system is available both as pure pinfeed and as a combination pinfeed/pinless.

PAPER WEB WIDTH INPUT	PINFEED: 88 – 500 MM* (3 ½" – 19 ⅘") PINLESS: 190 – 500 MM* (7 ½" – 19 ⅘")
DOCUMENT WIDTH OUTPUT	88 – 480 MM (3 ½" – 18")
DOCUMENT LENGTH OUTPUT	76 – 330 MM (3" – 13") ALTERNATIVE: 76 – 610 MM (3" – 24")
PROCESSING	1-UP (TYPICAL)** PINFEED OR PINLESS
DIMENSION WITH STACKING TABLE (LxWxH IN MM)	PINFEED: 905 x 760 x 1090 PINLESS: 1700 x 760 x 1170
STACKING HEIGHT	UP TO 5 CM

* without edge trim 480 mm | ** 2-up with reduced output quality possible

2-UP IS CUT 21 MM
LEFT OF THE CENTER

229 MM — 251 MM

480 MM
10 MM — 500 MM — 10 MM

PAPERFLOW

MÜLLER 6100 — CUT & STACK

The Müller 6100, combined with a drop stacker, allows the cut documents to be accurately placed on a stack. Whether 1-up or 2-up, the stacking height can be up to 12 cm, depending on the requirements. The optional delivery belt ensures automatic removal of the stack.

PAPER WEB WIDTH INPUT	PINFEED: 88 — 500 MM* (3 ½" — 19 ⅘") PINLESS: 190 — 500 MM* (7 ½" — 19 ⅘")
DOCUMENT WIDTH OUTPUT	88 — 480 MM (3 ½" — 18")
DOCUMENT LENGTH OUTPUT	85 — 406 MM (3 ⅖" — 16") ALTERNATIVE: 85 — 660 MM (3 ⅖" — 26")
PROCESSING	1-UP / 2-UP / 3-UP** PINFEED OR PINLESS
DIMENSION (LxWxH IN MM)	PINFEED: 970 — 1970 x 760 x 1090 PINLESS: 1765 — 2765 x 760 x 1170
STACKING HEIGHT	UP TO 12 CM

* without edge trim 480 mm / ** 3-up restricted in the formats

MÜLLER 6300 – CUT & MERGE

With the Müller 6300 cutting system, documents can be processed quickly and reliably in parallel printing. Depending on the desired requirement, the cut paper is then accurately deposited in a stack. With an additional delivery belt, it is possible to deposit up to six stacks.

PAPER WEB WIDTH	PINFEED: 88 – 500 MM* (3 ½" – 19 ⅘") PINLESS: 190 – 500 MM* (7 ½" – 19 ⅘")
DOCUMENT WIDTH OUTPUT	88 – 480 MM (3 ½" – 18")
DOCUMENT LENGTH OUTPUT	85 – 406 MM (3 ⅜" – 16")
PROCESSING	1-UP / 2-UP / 3-UP** PINFEED OR PINLESS
DIMENSION (LxBxH IN MM)	PINFEED: 6360 x 1110 x 1260 PINLESS: 7155 x 1110 x 1260
STACKING HEIGHT	UP TO 12 CM

* without edge trim 480 mm / ** 3-up restricted in the formats

MÜLLER 6300 – CUT & MERGE

With the Müller 6300, 2-up paper web in slalom printing – whether from a stack, from a roll or online from the printer – can be easily and quickly processed and merged into a stack. Since the production is almost continuous, the document throughput increases significantly.

MÜLLER 6300 SM

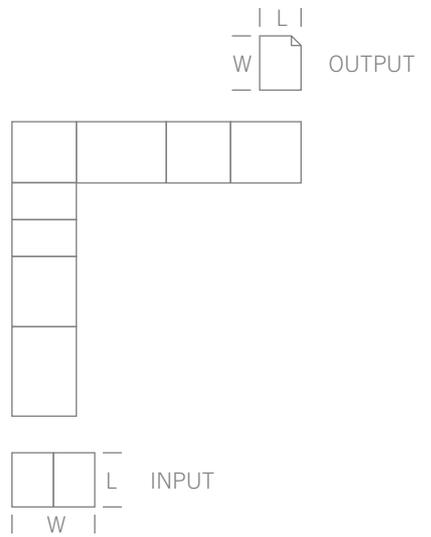|	
PAPER WEB WIDTH INPUT	176 – 500 MM* (7" – 19 ⅘")
DOCUMENT WIDTH OUTPUT	88 – 480 MM (3 ½" – 18")
DOCUMENT LENGTH OUTPUT	85 – 406 MM (3 ⅖" – 16")
PROCESSING	2-UP** PINFEED
DIMENSION (LxWxH IN MM)	4520 x 760 x 1090
STACKING HEIGHT	UP TO 12 CM

* without edge trim 480 mm / ** 1-up with conversion possible

MÜLLER 6300 SQ

PAPER WEB WIDTH INPUT	PINFEED: 88 – 500 MM* (3 ½" – 19 ⅘")
	PINLESS: 190 – 500 MM* (7 ½" – 19 ⅘")
DOCUMENT WIDTH OUTPUT	102 – 330 MM (4" – 13")**
DOCUMENT LENGTH OUTPUT	102 – 407 MM (4" – 16")**
PROCESSING	1-UP / 2-UP
	PINFEED OR PINLESS
DIMENSION (LxWxH IN MM)	PINFEED: 2065 x 3235 x 1110
	PINLESS: 2860 x 3235 x 1170
STACKING HEIGHT	UP TO 12 CM

* without edge trim 480 mm / ** format after the cutter

POSSIBLE APPLICATIONS

The requirements for the Müller 6100 and 6300 cutting systems can be defined in four steps:
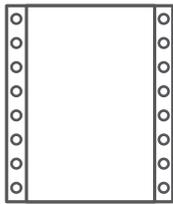
Step 1:
Input — Which paper should be processed?
The Müller 6100 and 6300 can process both pinfeed and pinless paper.

Step 2:
Input — How is the paper fed?
The paper can be fed into the cutter in various ways — from the fanfold stack, from the roll or online from the printer. Depending on the configuration and customer requirements, the appropriate input device can be selected.

PAPER

PINFEED
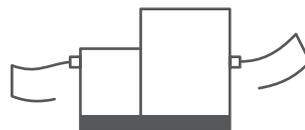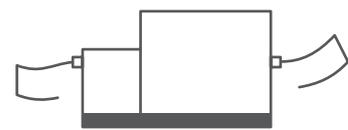
PINLESS

INPUT

FROM THE STACK*

FROM THE ROLL

FROM THE PRINTER
< 30 M / MIN

FROM THE PRINTER
> 30 M /MIN, MAX. 80 M/MIN,
DEPENDING ON CONFIGURATION**

* not possible, if perforation desired

** manual stacking is not possible as output

Step 3:
Function — How should the paper be processed?
Depending on the customer requirements, the cutting system can be configured individually. The main function of each cutting system is to trim the document to the desired final format. In addition, the system can be equipped with further functions. Whether this is the perforation or merging of documents or the offset in groups via counter or code control.

Step 4:
Output — How should the paper output look like?
After the paper has been processed, it can be laid down as a stack with or without group separation.

FUNCTION

CUTTING

The cutter is available in two speed levels — 12,000 documents/h or 18,000 documents/h.

PERFORATING/ PUNCHING

Depending on the requirements, horizontal and vertical perforations are made on the document either statically or dynamically based on reading information. The patterns can be fully dynamic, i. e. each sheet can be perforated individually and with a different pattern.

MERGING

With this function the 2-up forms (slalom print) are merged into a stack.

OFFSET

The documents are separated on the stacking system in groups. This is done either via counter or code control. This guarantees a simple removal for the operator.

OUTPUT

MANUAL STACK

The cut documents are carefully placed on the receiving tray. As soon as the stack is full or the cutter is stopped by the preset counter, the manual stack can be removed from the receiving tray by the operator.

STACK

The documents trimmed to the desired final format are accurately placed on one or more stacks. Depending on the configuration, this can be done with or without group separation. In the case of A4, up to three stacks can be picked up from the stacking belt.

SHINGLE

As an option, the delivery can also be made as a shingle instead of a stack. In this case, the documents are placed on top of each other in shingled layers at a fixed distance and can thus be easily removed.

OPTION
WEB BUFFER

With a direct connection to a printer, the web buffer stores 20 meters of the paper web. The buffer is available with or without paper web tension.

OPTION
WASTE EXTRACTION

The mobile waste extraction with large container takes up
the edge strips and gutter-cuts. When the waste container is
full, the Müller 6300 stops automatically.

TECHNICAL DATA *

PERFORMANCE	12.000 – 18.000 DOCUMENTS/H IN 12" SINGLE CUT (1-UP)
	PINLESS OR PINFEED
PAPER	(40) 60 – 200 (250) G/M^2
PROCESSING	1-UP TO 3-UP
CUTTER	HORIZONTAL SLIT- AND GUTTER-CUT
	VERTICAL SLIT- AND GUTTER-CUT (LEFT, RIGHT, WITHIN THE DOCUMENT)
	EDGE TRIM 28 MM (OPTION UP TO 60 MM)
	RECOMMENDATION: WASTE EXTRACTION WITH SHREDDER FOR PINLESS-CUTTER DUE TO ENDLESS EDGE STRIPS
	FEED RATE 1/6", 1/8" OR 1/24"; SPECIAL FEED RATE FOR PINFEED
STACKER	STACKS UP TO APPROX. 1.000 SHEET (~ 12 CM AT 80 G/M^2)
	GROUP SEPARATION (OFFEST) VIA READING OR PRESET COUNTER
INTERFACE	VIA MÜLLER-PRINTER-INTERFACE

* Special dimensions are optionally available on request.

MÜLLER

FLEXIBLE PAPER MANAGEMENT SOLUTIONS

Müller stands for extremely flexible paper management solutions for the automated processing of digital print products. From cutting, folding and inserting through to the verification of documents and the affixing of plastic cards: Systems from Müller feature the latest technology and a high level of reliability for a wide range of different requirements from transaction printing through to graphic arts applications.

Müller works according to a unique principle: paper management systems are configured from more than 100 combinable modules to meet individual customer requirements. The modules cannot only be combined with one another but can also be integrated into existing systems. Whenever there is a new customer application to be realised, the modules can be quickly and easily combined to form a new configuration. The Müller module concept also automates applications that could previously only be processed manually.

From the mechanics and electronics through to the software, Müller produces almost every component itself to the highest German quality standard. This not only speeds up the development of the systems while guaranteeing the long-term availability of spare parts but also allows customer-specific adaptations to be carried out at any time.

Müller.
Flexible. Intelligent. Efficient.

MÜLLER
FLEXIBLE PAPER HANDLING SOLUTIONS

Müller Apparatebau GmbH
Gewerbepark 19
85402 Kranzberg
Germany

+49 8166 670 - 0
info@mueller-phs.com
www.mueller-phs.com