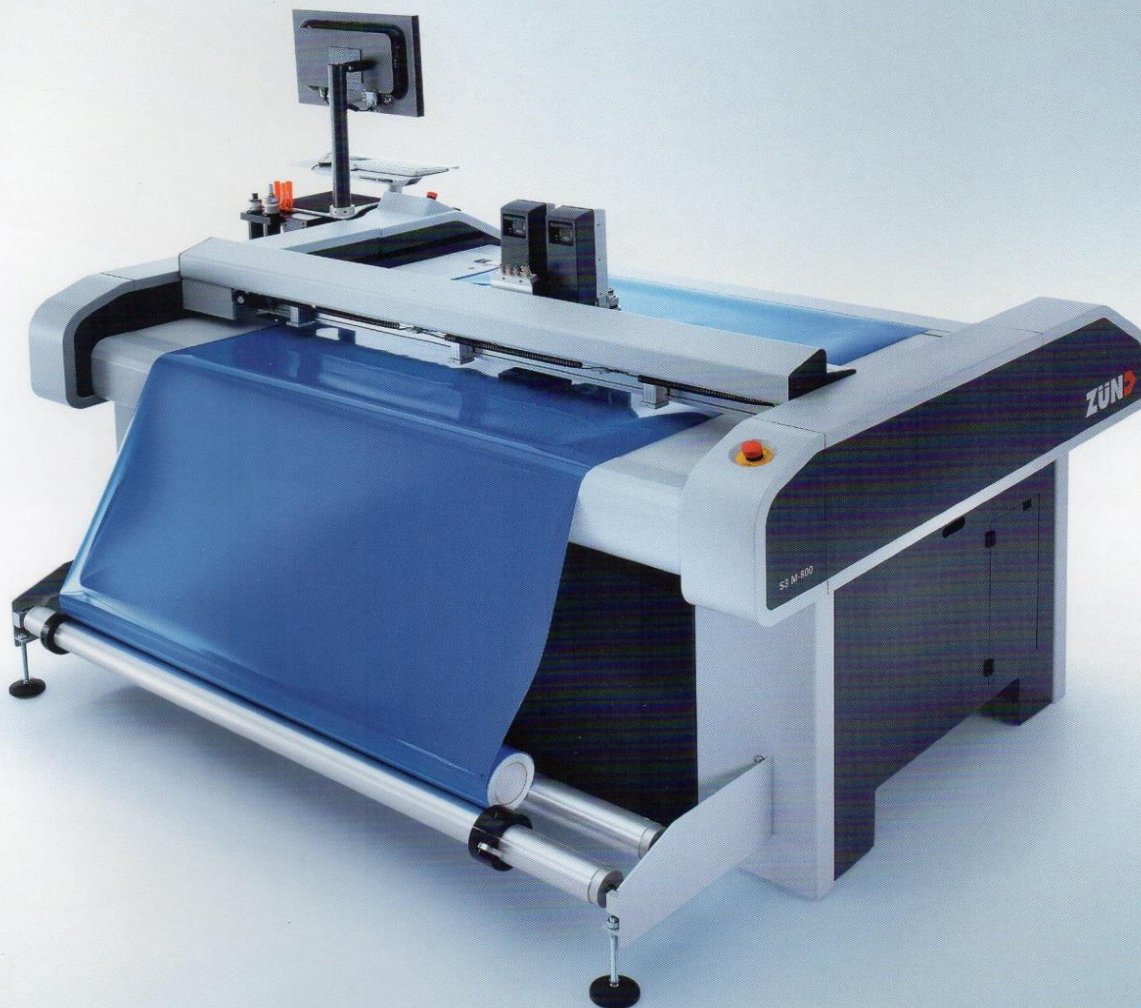


# Material handling

## **G3 S3** Digital Cutter



Your first choice in digital cutting.



# Manual loading of sheets/boards

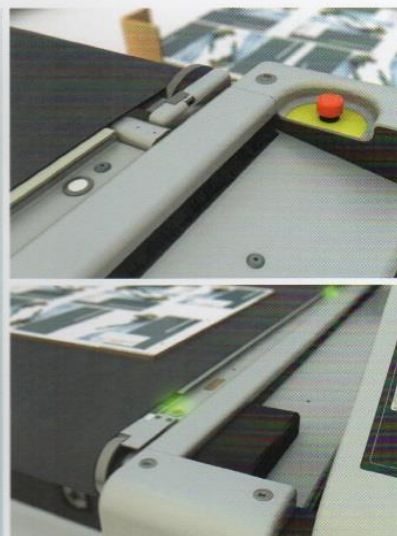
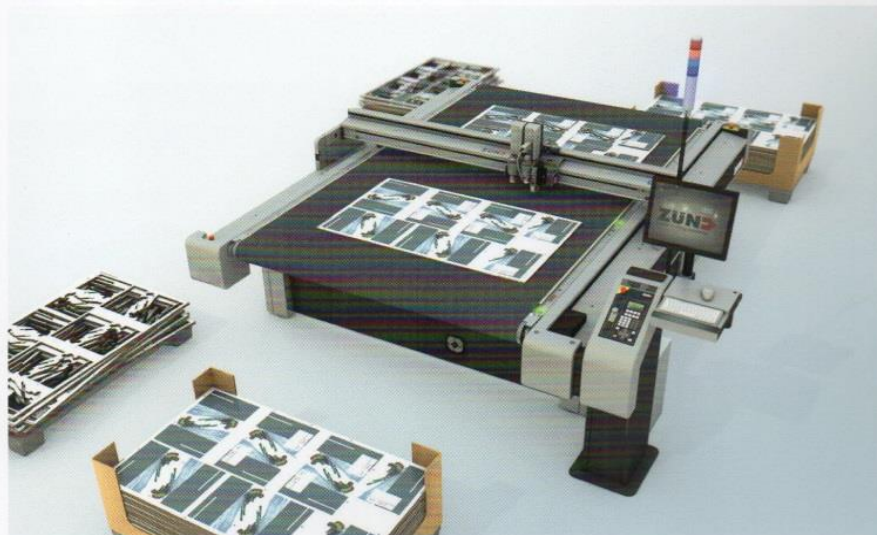
## Tandem operation

In this type of pendulum production loading/unloading occurs on one side, while cutting continues uninterrupted on the other. This setup increases workflow efficiency, keeps idle time to a minimum, and provides maximum productivity.

With a tandem setup, the working area of the cutter is divided into two independently controllable vacuum plates, front and back. Each side is equipped with controls for turning the vacuum on/off and for resuming the cutting process.

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Once the material is properly placed on the cutting surface, the vacuum is re-activated and cutting can continue on that side of the machine.



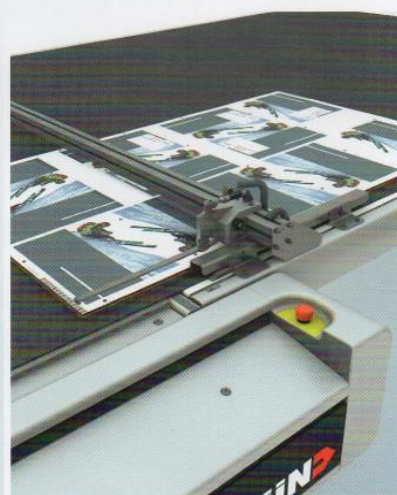
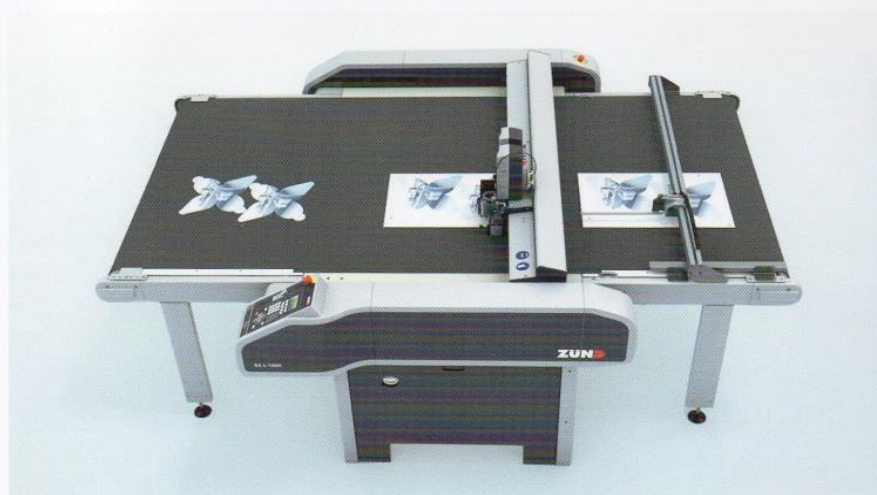
## Board loading feature

Designed for manual pre-loading while the machine is already cutting, the board loading feature is a mechanical guide that facilitates placement of the material on the conveyor

belt. The extension at the front of the machine provides an off-load area, while the one at the rear is used for loading. The pre-loaded material is moved into the

**G3 S3**

correct position in the cutting zone. Configured this way, the cutter is set up for non-stop production without any interruptions for loading/unloading.





# Fully automated loading

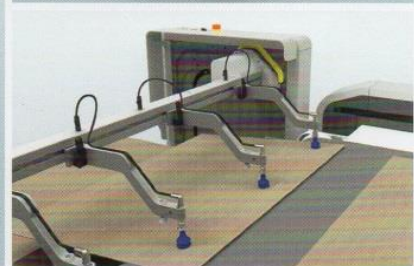
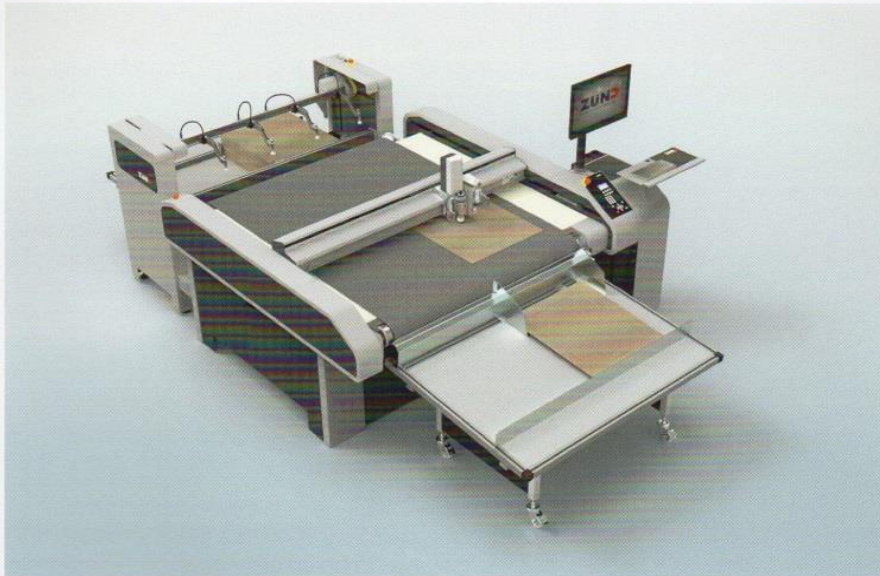
## Sheet feeder

S3

High productivity and reliable material handling... turn your Zünd cutter into a fully automated production system! Printed sheets of vinyl and cardboard are picked

up with vacuum grippers and transferred from the loading table to the cutting surface. After processing, the cutter advances the cut materials and waste onto an off-load table.

This fully automated workflow gives you the necessary tools for completing even big jobs quickly and efficiently.



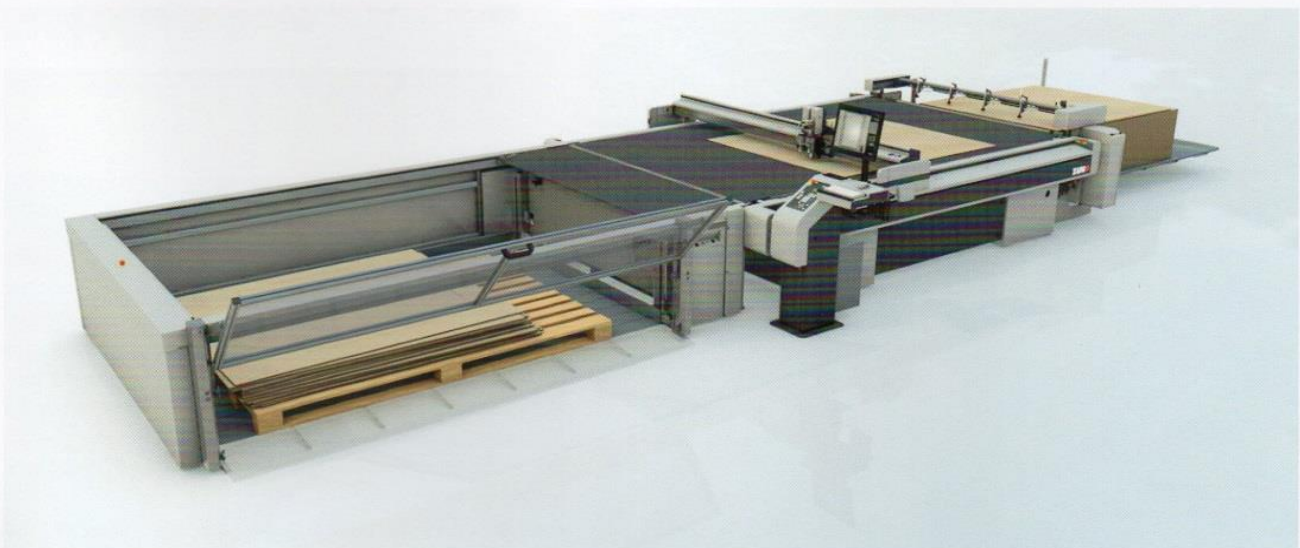
## Board Handling System - BHS

G3

Short delivery times, unsurpassed quality and flexibility... with the Board Handling System, you will be producing round the clock with minimal manpower! Fully automated board loading and unloading provides the

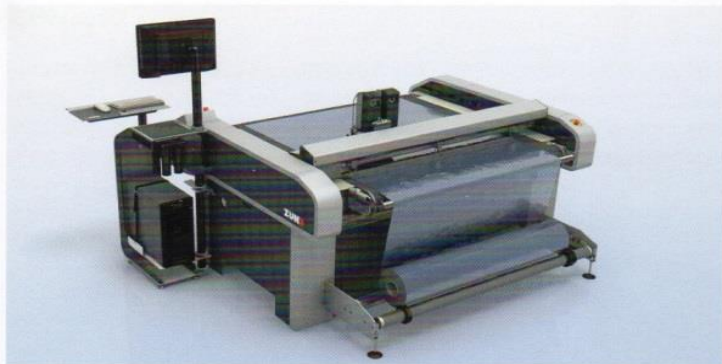
ultimate in workflow efficiency. Personnel requirements are limited to bringing in/removing pallets of stacked media. The Zünd G3 cutter and Board Handling System are designed for 24/7, non-stop operation.

For more details on the Zünd Board Handling System, please refer to our website at [www.zund.com](http://www.zund.com) or the BHS brochure.





# Roll-off systems



## Universal roll-off

**G3 S3**

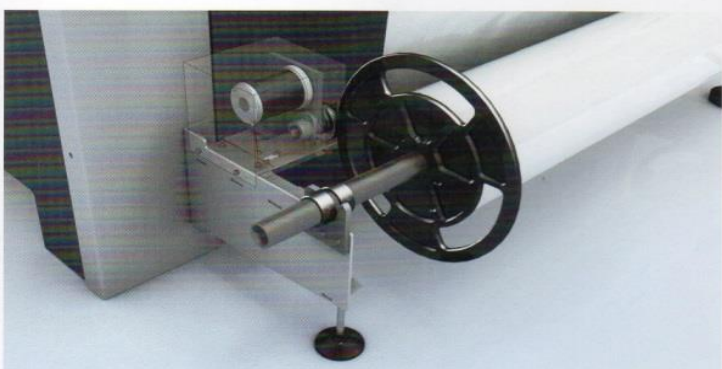
The universal roll-off is particularly well suited for applications involving relatively light rolls with frequent roll changes. Changing rolls is very quick and easy with this type of roll-off. Make sure the roll material is fairly dense (stable) and not particularly prone to wrinkling (e.g. paper, vinyl or similar plastic foil) The material guide-roll option significantly reduces the potential for wrinkling.



## Shafted roll-off

**G3 S3**

In contrast to the Universal roll-off, the shafted roll-off is well suited for soft and flexible materials and textile products. The roll is threaded onto a shaft and placed in the roll-off unit. Like that flexing during advances can be avoided.



## Shafted roll-off, active

**G3 S3**

The active shafted roll-off is motor driven. Additionally to the features of the shafted roll-off, at the end of an advance, any slack is automatically rewound. This prevents the material from wrinkling as it is fed into the cutting zone.



## Center winder

**G3**

Expand your production capacity with a center winder! The robust design of this roll-off system permits processing rolls up to a weight of 100 kg/220 lbs. Ingenious mechanics provide constant material tension and facilitate advancing even the most challenging textiles without wrinkles or stretch. The driven center winder not only can unwind material rolls but also rewind them.

For lighter rolls not exceeding 40 kg the dancer can be used as a universal roll-off unit.

# Technical information

	Features/specifications										
	max. roll Ø	max. roll width	core Ø	max. roll weight	motorized	roll-end sensor	dancer system for tension control	pneumatic shaft for core support	shaft support for compensating roll sag	cutter size	mountable to cutter extension
<b>Universal</b>	350 mm /13.75"	M-3XL <sup>1)</sup>	–	70 kg /155 lbs	no	no	no	no	no	M-3XL	yes
<b>Shafted roll-off</b>	350 mm /13.75"	M-3XL <sup>1)</sup>	3"	70 kg /155 lbs	no	no	no	no	yes	M-3XL	yes
<b>Shafted roll-off, active</b>	350 mm /13.75"	M-3XL <sup>1)</sup>	3"	70 kg /155 lbs	no	no	no	no	yes	M-3XL	no
<b>Center winder</b>	350 mm /13.75"	L-3XL <sup>1)</sup>	3"	100 kg /220 lbs	yes	yes	yes	yes	no	L-3XL	yes

	Attributes						
	wrinkle-free advances	prevents unintended roll-off	processing of stretchy materials	quick roll changes	constant material tension	rewind function	inward/outward wound rolls
<b>Universal</b>	✓ <sup>1)</sup>	✗	✗	✓	✗	✗	✓
<b>Shafted roll-off</b>	✓ <sup>1)</sup>	✗	✓	✓	✗	✗	✓
<b>Shafted roll-off, active</b>	✓ <sup>1)</sup>	✓	✓	✓	✓	✓	✓ <sup>2)</sup>
<b>Center winder</b>	✓	✓	✓	✓	✓	✓	✓

## Legend:

- ✓ ideal
- ✓ suitable
- ✗ unsuitable

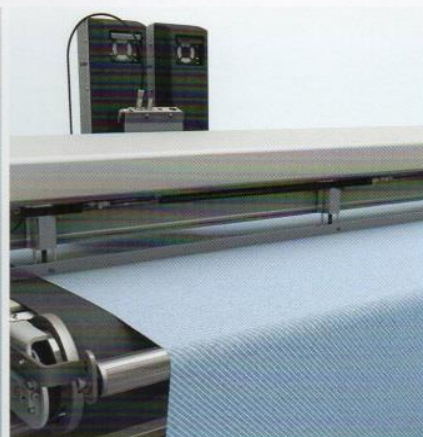
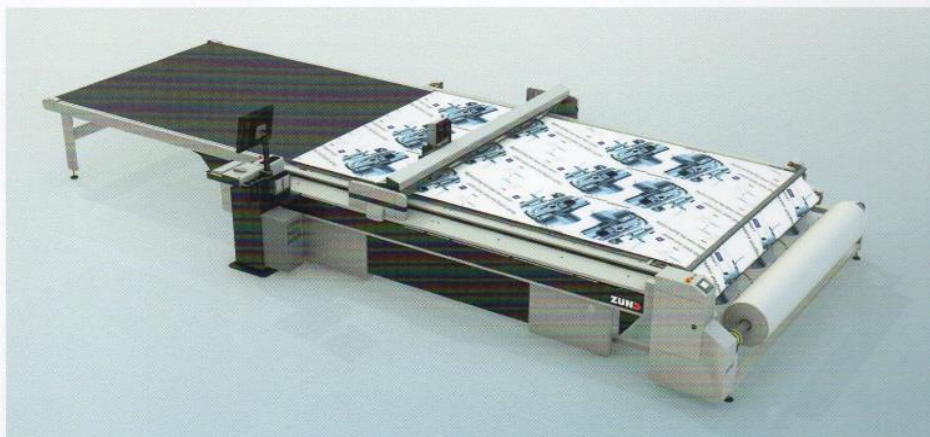


# Material transport

The conveyor belt serves as material transport as well as a cutting underlay. Cut materials are automatically removed from the active cutting area while new, un-cut

materials are moved into the cutting zone. The material transport enables you to process materials which are longer than the cutter.

During an advance transport elements fix the material. The additional transport bar is recommended for thin and flexible materials.

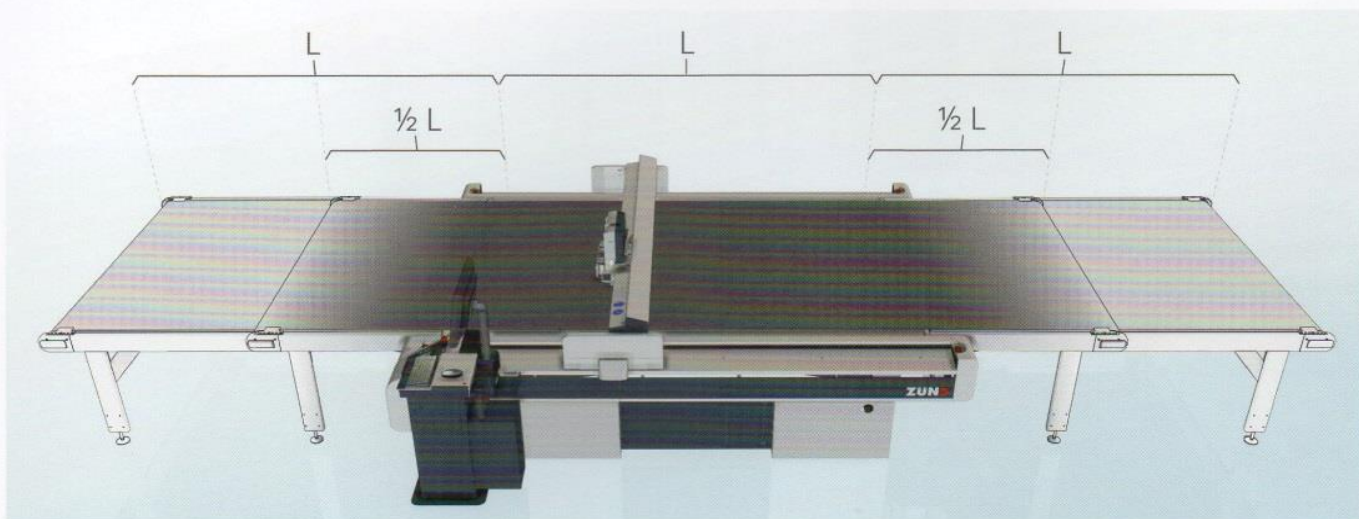


## Cutter extensions

Cutter extensions for the front/rear section are available in the following sizes:

**G3:** Extensions by the full (L) or half ( $\frac{1}{2}$  L) of the length of the active cutting area.

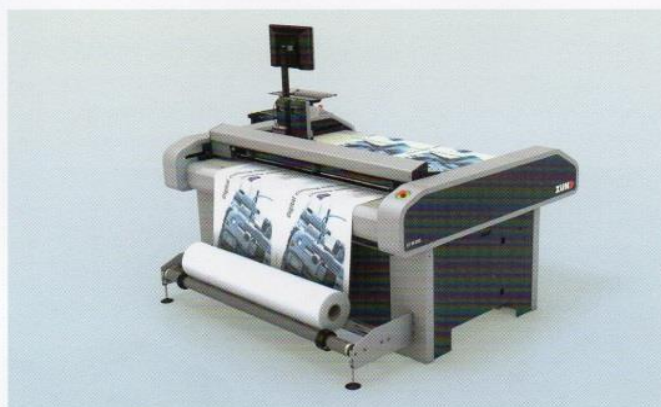
**S3:** Extensions by full of the length (L) of the active cutting area.



## Vinyl advance system

**S3**

A special vinyl advance system makes the S3 the perfect cutter for vinyl and other foil-cutting applications. Central to this type of configuration is the vacuum plate designed especially for kiss-cutting. Cutting occurs directly on the table plate without any kind of underlay. The system comes with a roll-end sensor that automatically suspends operations when the end of a roll is reached. A cutting strip for automatic sheeting completes the system.



## Useful add-ons



### Collection tray

**G3 S3**

The collection tray is a handy, removable bin for collecting cut materials and waste as they come off the conveyor belt. It helps protect cut pieces and keeps the work area neat and clean. For emptying, the collection tray can easily be detached from the machine.



### Material-guide roll

**G3 S3**

The material-guide roll is a spreading device for textiles and other flexible materials. It effectively prevents wrinkles and excessive stretch as these types of materials are fed onto the conveyor. We highly recommend this option for all cutter configurations that include a conveyor and roll-off device.



**Headquarters**  
**Zünd Systemtechnik AG**  
Industriestrasse 8  
CH-9450 Altstätten  
T +41 71 757 81 00  
F +41 71 757 81 11  
info@zund.com  
www.zund.com

**ZÜND**  
swiss cutting systems