

Material handling

G3 S3 Digital Cutter



Your first choice in digital cutting.

Manual loading of sheets/boards

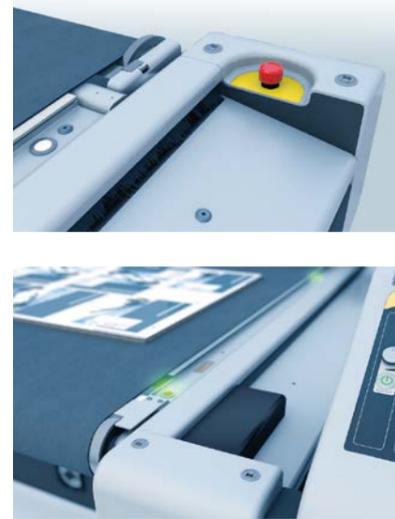
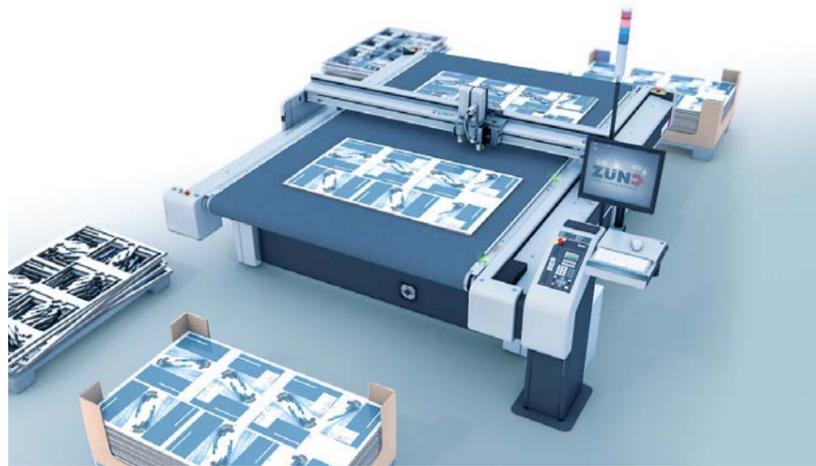
Tandem operation

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.

G3 S3

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.



Fully automated loading

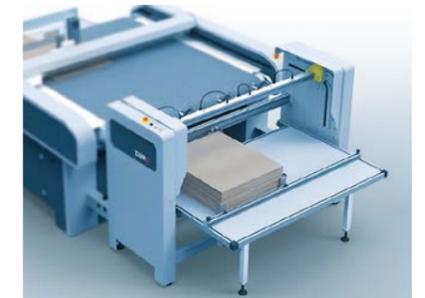
Sheet feeder

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.

S3

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



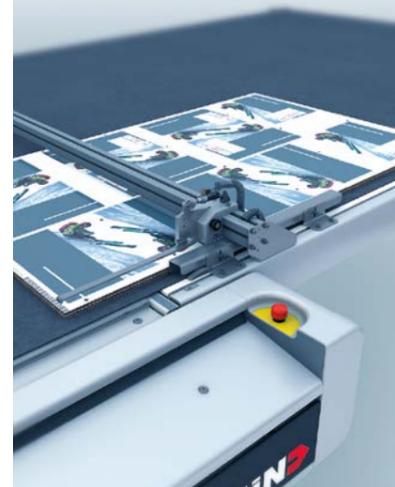
Board loading feature

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.



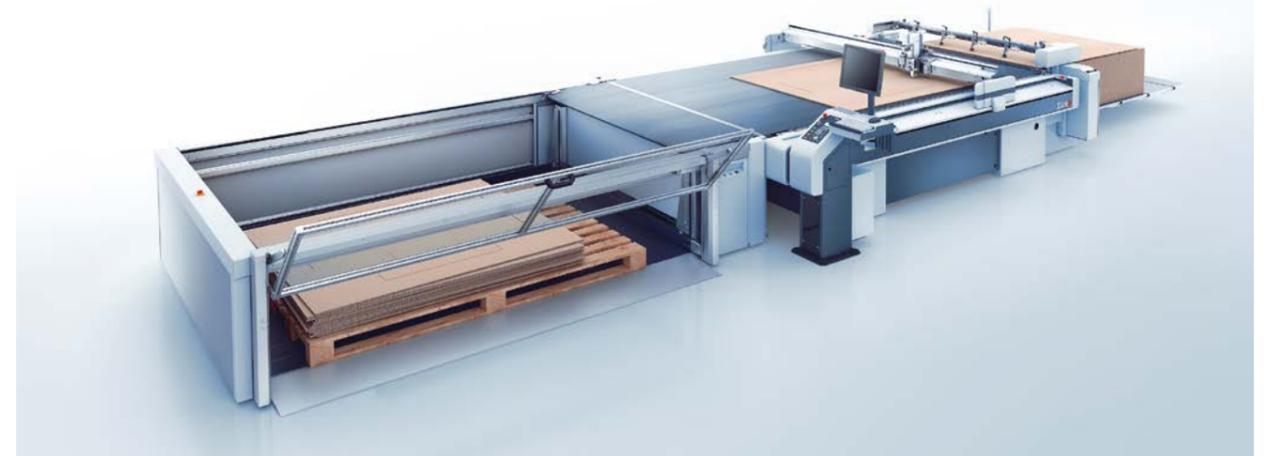
Board Handling System - BHS

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 or the BHS brochure.

G3



Processing roll material

Roll-off unit **G3 S3** Universal, passive



The universal roll-off unit is especially suited for light rolls of material that need to be changed often. Changing the rolls is quick and easy. Make sure that the roll material used is tight, so that it does not tend to form creases (e.g., paper or plastic film). An adjustable brake effectively prevents the material from keeping rolling. Creasing is greatly reduced through the use of a material guide roll.



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.



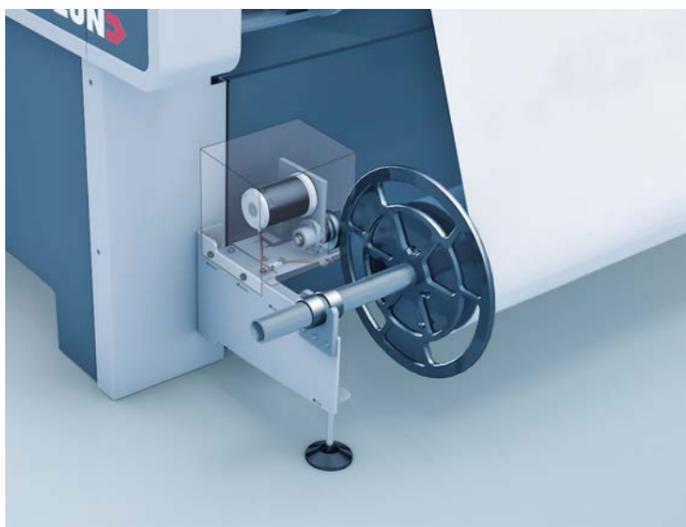
Roll-off unit **G3 S3** Shaft, passive

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.



Roll-up unit **S3** Shaft, active

With the roll-up unit shaft, active, you produce large kiss cutting orders as part of a fully automated process. The material is immediately rolled on to the roll core after processing, which ensures that it remains clean, and free of kinks and folds. This roll-up unit is ideal for vinyl or labelled textiles with a roller weight of up to 70 kg/155 lbs.



Roll-off unit **G3 S3** Shaft, active

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.



Roll-up unit **G3 S3** Tray, active

The roll-up unit tray, active, is perfectly suited for small Kiss-Cutting jobs. The foil is automatically wound in the tray after processing. After each separating cut the wound foil can be immediately taken out of the tray - directly and without interrupting production. Make sure that the individual foil sections are no more than 20 m long.

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.

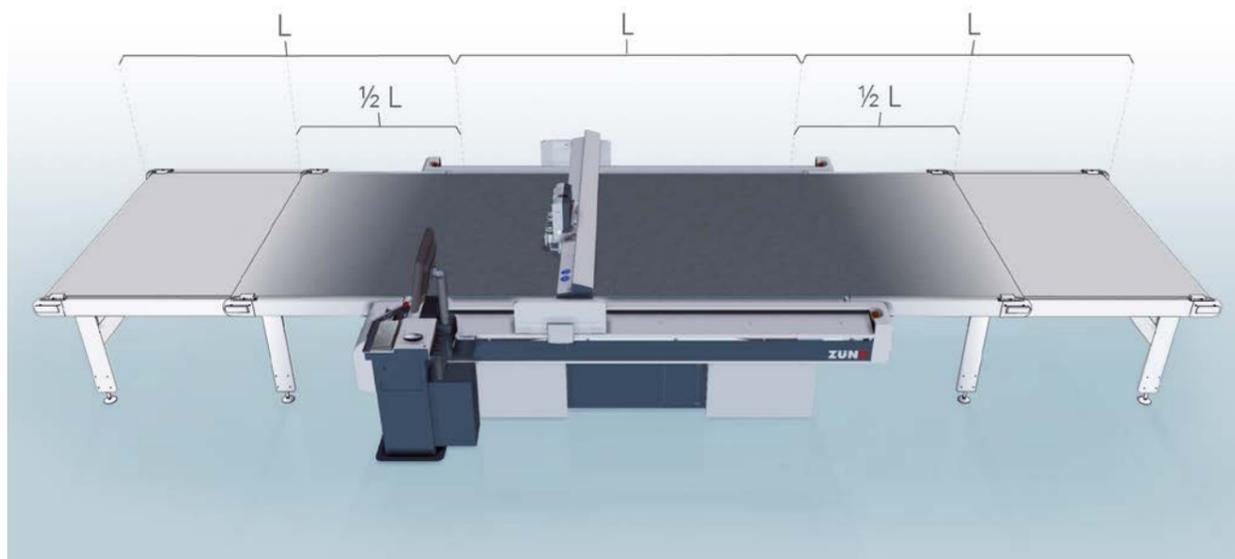


Cutter extensions

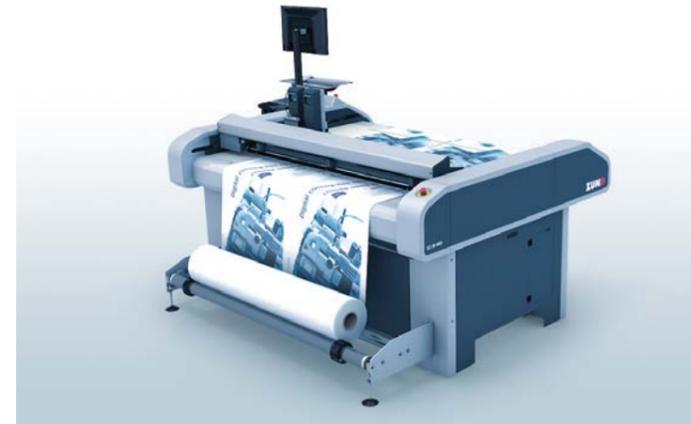
Cutter extensions for the front/rear section are available in the following sizes:

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.



Useful add-ons



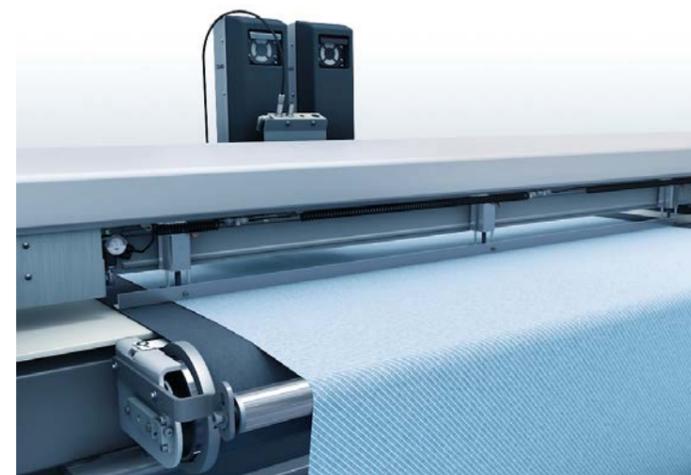
Vinyl advance system **S3**

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.



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

