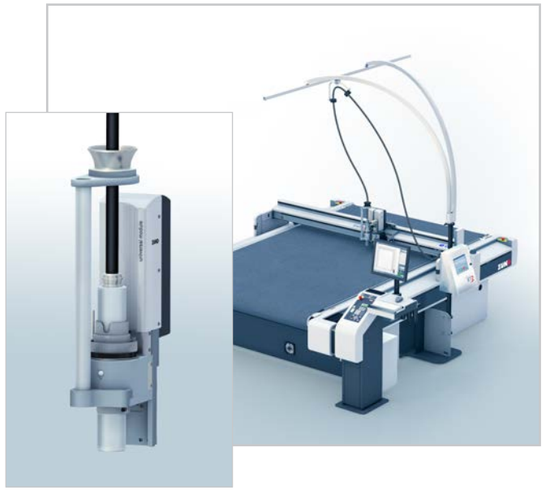
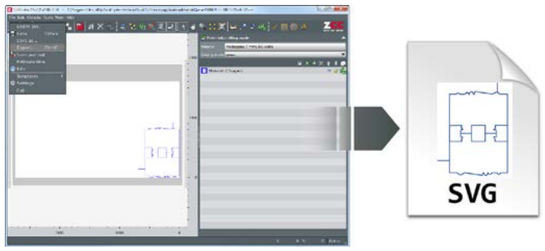
Zünd Cut Center 2.5
Essential new features

Now supporting Leibinger inkjet
The versatile Leibinger Jet 3 inkjet printer is ideally suited for labeling a wide variety of materials. Its many applications include labeling with text or barcodes or drawing/plotting lines. The Ink Jet Tool - IJT is now fully supported in Zünd Cut Center.

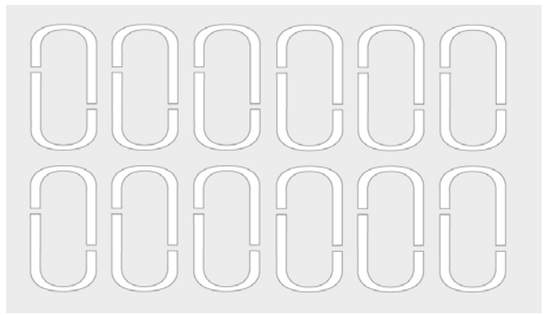


SVG export
Cut data can now be exported from Cut Editor as SVG file for import in other systems. All objects under a method are combined into a group.



Batch processing: cut files retrievable via barcode
Users can now retrieve files easily with a barcode scanner and add them to a batch. Once batch processing is launched, simply scan in the jobs you wish to include.

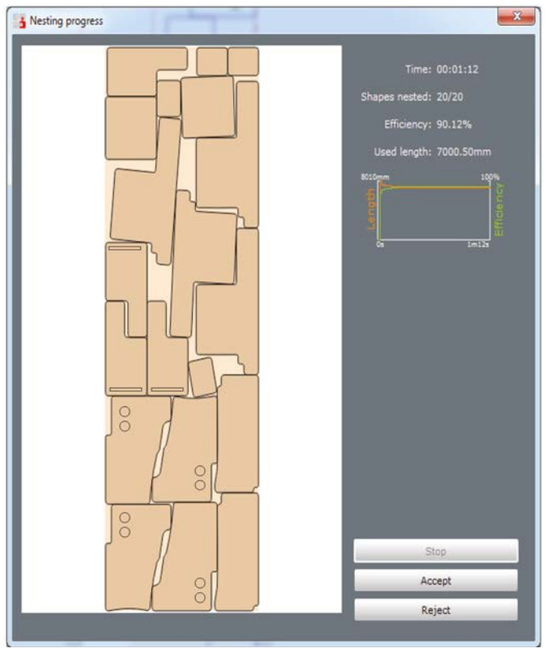
Automatic bridging during import
Bridges can now be inserted automatically while importing cut files. The number of bridges and distance between them are user definable. This feature is also available when importing files via hot folders.



Zünd Cut Center 2.4
Essential new features

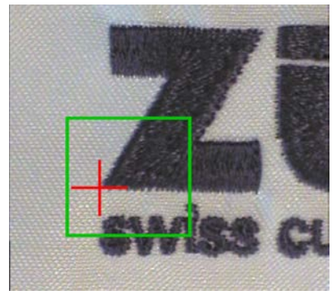
Tool usage monitoring
Previously, it was often difficult to determine the wear on a blade or bit, which tended to create unnecessary waste. ZCC now tracks tool usage and lets the user know when a blade/bit has reached the end of its expected lifespan and needs to be changed.
The data used for tool monitoring is based on past experience and has to be set up individually.

Nesting
A user-friendly nesting option integrated in Cut Editor automatically calculates the most efficient placement of individual parts or groups of parts on rolled and sheeted/board materials. The automatic nesting function uses powerful algorithms that ensure optimal nesting of even the most complex patterns. This saves time, maximizes material yield, and keeps waste to a minimum.

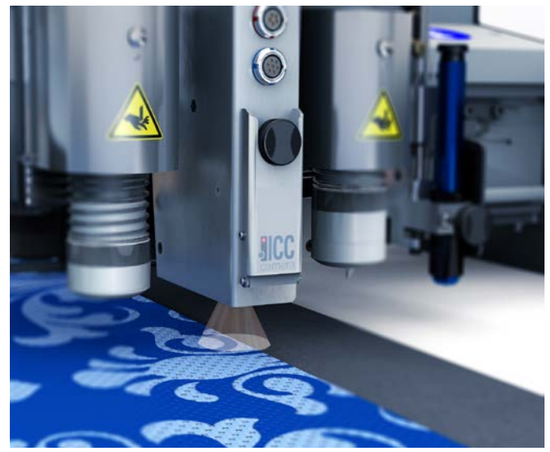


Automatic Router Bit Changer - ARC
The Automatic Router Bit Changer is fully integrated with Zünd Cut Center - ZCC. The ARC offers the user a magazine that can hold a combination of up to 8 different router bits for processing. The system automatically selects the correct bit for the job and material at hand, guaranteeing optimal results. This eliminates the potential for operator errors that can easily occur in higher-volume routing applications.

User-definable register marks
Before now only symmetrical shapes where permissible for use as register marks. Starting with Vers. 2.4, register marks in any shape can be captured and correctly interpreted by ZCC.

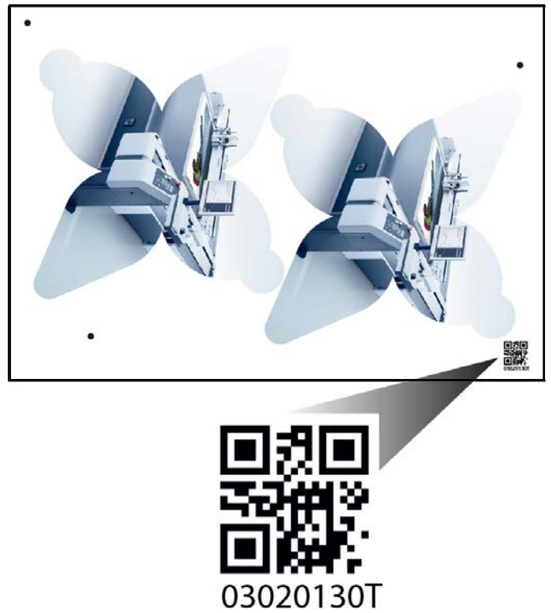


Border recognition for rolled materials
Following each advance, the system checks the border of the material. If it detects any movement, ZCC compensates for it and moves all objects accordingly.

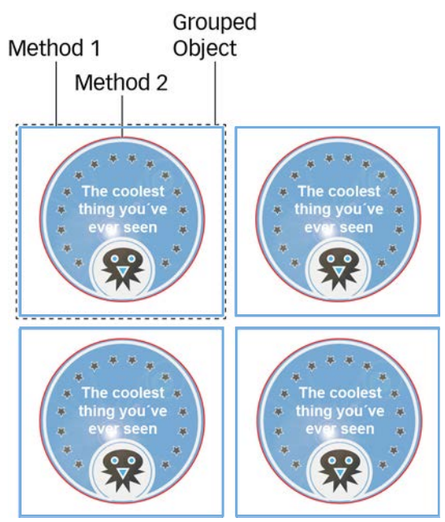


Zünd Cut Center 2.3
Essential new features

Automated production with QR-code capture now also for rolled materials and in tandem production mode
With ZCC V.2.3, QR-code capture has been expanded for use with rolled materials and in tandem production workflows.

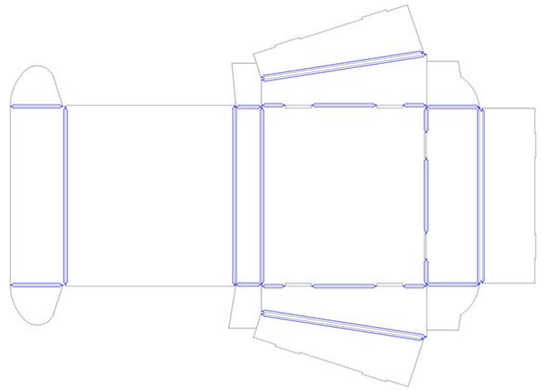


Object-by-object processing function
Before now processing methods could be specified only sequentially for the entire job. With the function ***object-by-object processing,*** one grouped object can now be completely finished before going on to the next one.

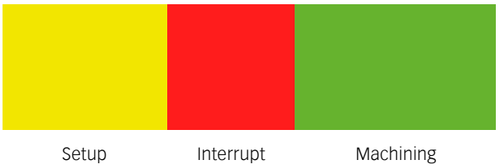


Creasing counters
The use of creasing counters significantly enhances the quality of creases. In Cut Editor, you can now create counters to match crease lines with just a few mouse clicks.

Tip:
Use creasing counters in a tandem production workflow. The tandem setup guarantees maximum throughput for producing top-quality folding boxes.



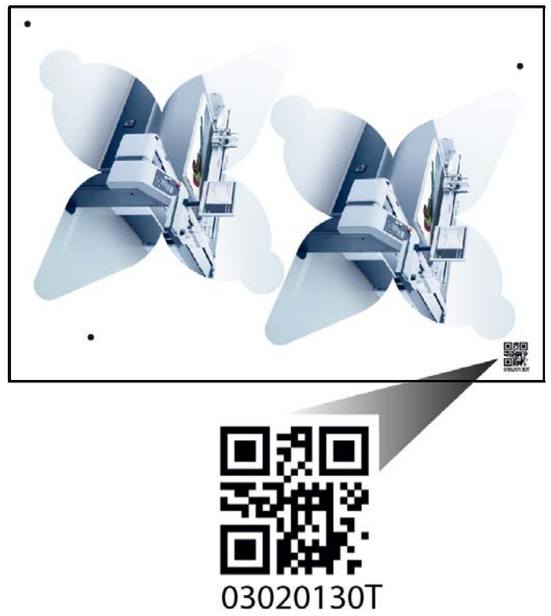
Cutter capacity and productivity indicator
The Cut Queue offers tools and methods for increasing your productivity. The software automatically calculates cutter capacity and, with a three-color status bar, permits the user to see at a glance in what ways producing a job could be made more efficient.



Integrated Tool Initialization - ITI
ZCC with Integrated Tool Initialization (for G3 cutters) enables the following new functions:
- Automatic blade/bit failure control
- Automatic recalibration at user-defined intervals to compensate for blade wear during processing.

Zünd Cut Center 2.2
Essential new features

Automated production with QR codes
Job retrieval via QR code is the next step in fully automated processing/finishing of sheeted and board materials. It is now possible to process a sequence of different jobs without operator intervention: after the materials are loaded automatically with the Board Handling System - BHS or the sheet feeder, the ICC camera captures a QR code; the corresponding file is retrieved automatically, opened in Zünd Cut Center, and processing begins.

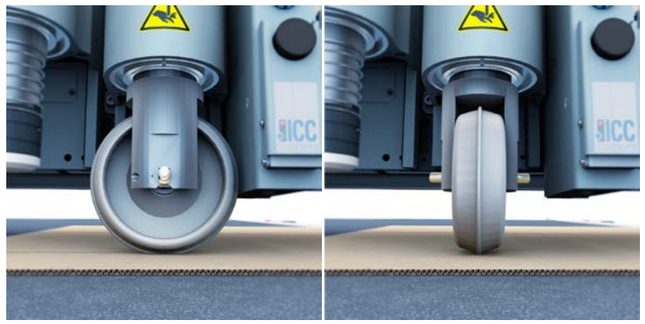


Zünd Webshop
From anywhwere within the **European Union**, you can now order blades, bits and other accessories directly through the Zünd Webshop. Click on the shopping cart symbol in Zünd Cut Center, Cut Manager or Cut Queue to access our online store.

Customer benefits:
- 24/7 order placement
- 48-hour delivery time within EU
- Free shipping for orders above €400
- Easy payment options with Visa, Mastercard or direct bank transfer
- Processing parameters for original Zünd accessories included in Zünd Cut Center.

Take full advantage of the capabilities of your Zünd Cutter!
(Internet connection required - access via shopping cart symbol only within the European Union)

Creasing
In addition to the pressure mode, creasing depths for creasing tools CTT1/2/3 can be set differently for creasing with or against the flute/grain.



Tandem vacuum system
The following functions have been added to the tandem vacuum option:

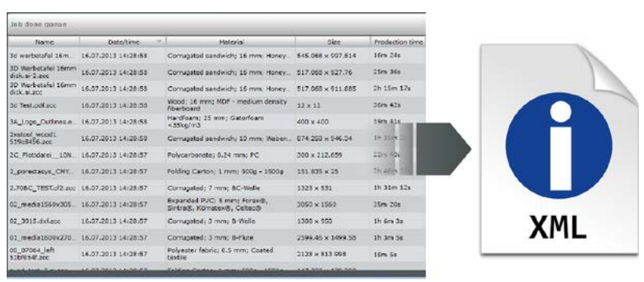
- Work front or rear section of cutter ONLY: Zünd Cut Center now lets you define which half of the cutter is used as default cutting area. This permits limiting short-run production to one vacuum area, which results in greater energy efficiency.

- Continue processing in cutter section where processing approval has been granted: the cutter no longer automatically switches back and forth between the two vacuum sections; instead, it continues processing on the side where approval was granted first.

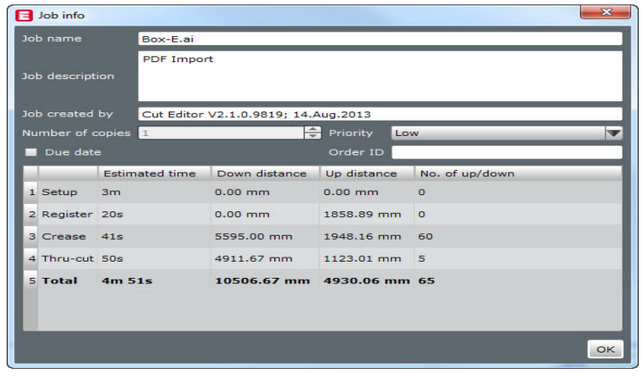
Zünd Cut Center 2.1
Essential new features

zund cut center

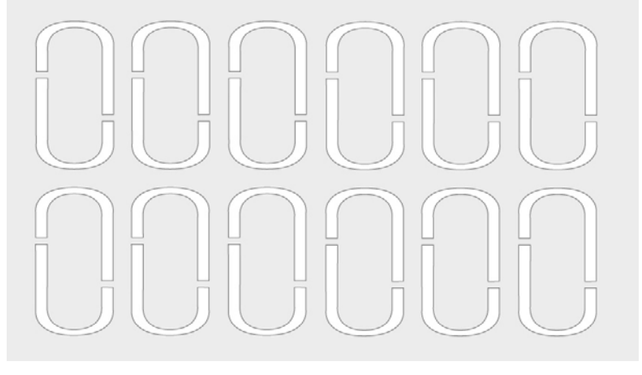
Job info export
Use job info export for generating and analyzing order statistics. Just export an XML file and import it into e.g. Microsoft Excel.



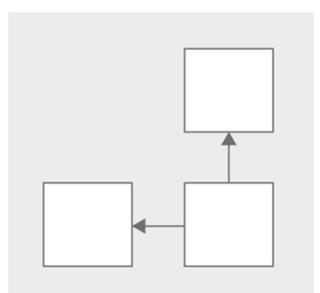
Cut-time estimation in Cut Editor
Processing time is an important factor in production planning. Already in Cut Editor, you can now see the estimated processing time per copy. This feature makes e.g. daily production planning very simple and efficient.

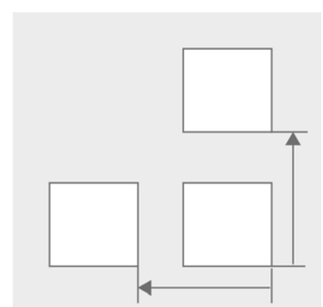


Automatic bridging
Insert bridges for all objects with a mouse click. The number of bridges and minimum distance between them can be specified individually.
Especially in routing applications, bridges prevent cut objects from moving. In addition, with all cut objects still attached, unloading becomes a simple, one-step process.

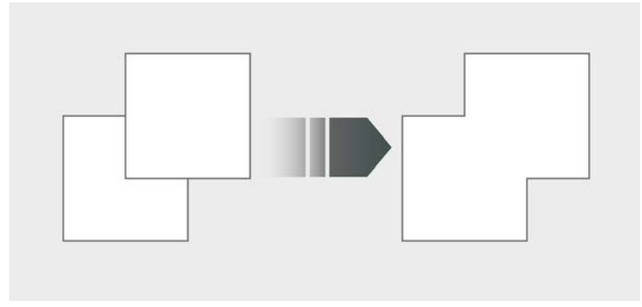


Multiple copies
Choose between «distance between shapes» and «distance from shape to shape».

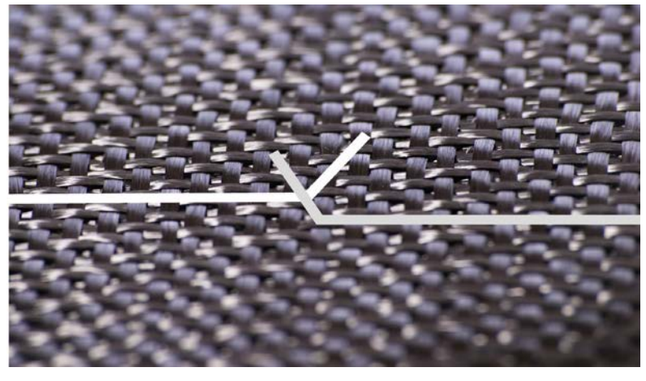




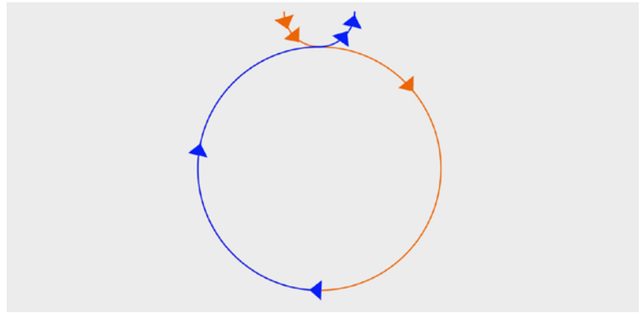
Unite operation
Several overlapping objects may be combined into one.



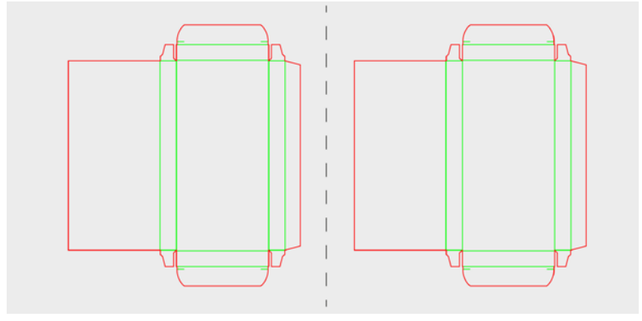
Feed connection cut
This function guarantees consistent cut quality, especially with textiles.
When the cut path extends beyond the length of the working area, advancing the material becomes necessary and with it, an interruption to the cutting process. The function «feed connection cut» ensures that no fibers are left uncut.



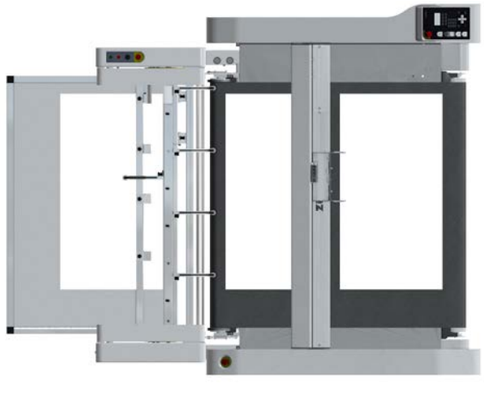
Lead-in/lead-out
Start and end points are positioned outside the cut path. Especially for routing applications, this function helps produce superior cutting results with invisible entry/exit points.



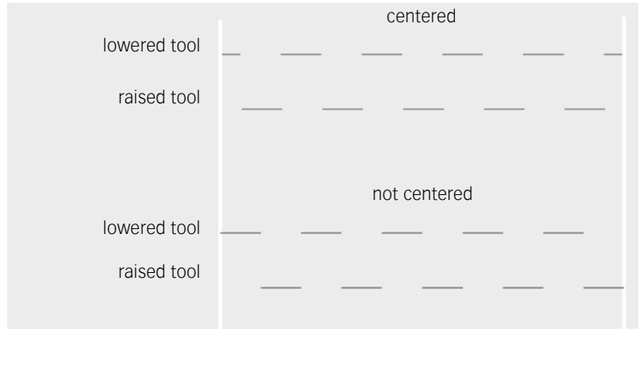
Cut-off function
Cut-offs or separation cuts can be applied after each copy/page or at the end of production. The length and position of the cuts are user definable. Use this function for rolled material (e.g. vinyl, films) or longer boards.



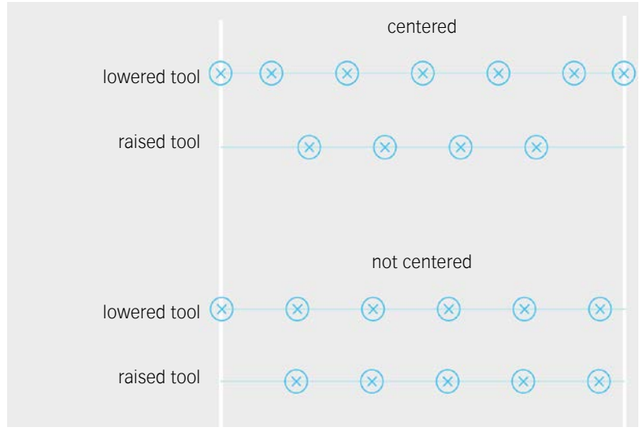
Multi-page loading function with BHS/ Sheetfeeder
The Board Handling System (BHS) and Zünd sheetfeeder allow for multiple loading for extended uninterrupted cutting time and covering more working area. The appropriate number of loads may be calculated automatically. This multiple-load function increases coverage of the vacuum area, which helps achieve superior vacuum hold-down.



Line type patterns
The line types for individual methods may include patterns. These are controlled with additional settings and are a great option for e.g. creating optimal perforations in packaging designs.

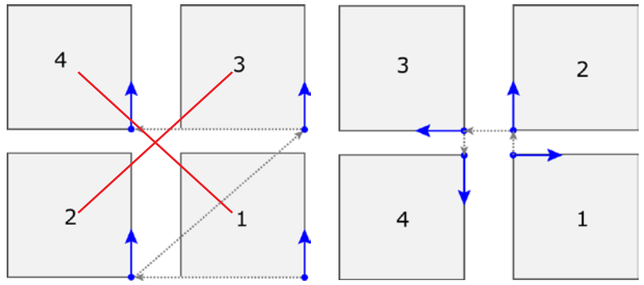


Line type pattern dotted with drill/punch
With the methods «drill» or «punch», select the dotted line pattern. This will produce a line of drilled or punched holes.
Distance and number of holes are user definable. The hole diameter is equivalent to the diameter of the tool being used.

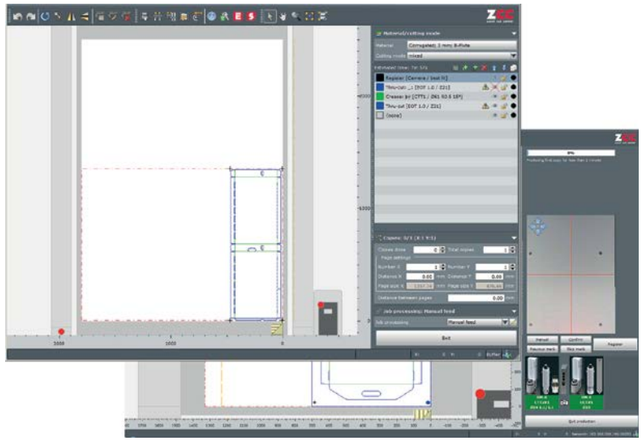


Zünd Cut Center 2.0
Essential new features

Cut path optimization
Take advantage of ZCC's automatic cut-order optimization: The software automatically makes adjustments to the cut paths to achieve the fastest-possible production time. Starting points and cut direction are automatically selected to minimize travel distances with the raised tool.

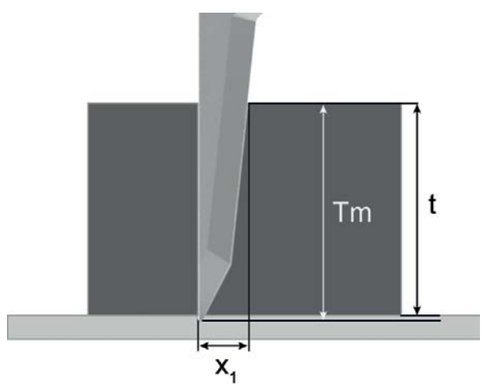


Simultaneous job preparation
With ZCC 2.0, you can prepare jobs while the cutter is producing. Several Cut Centers can be open at the same time for assigning methods, tools, or job processes.

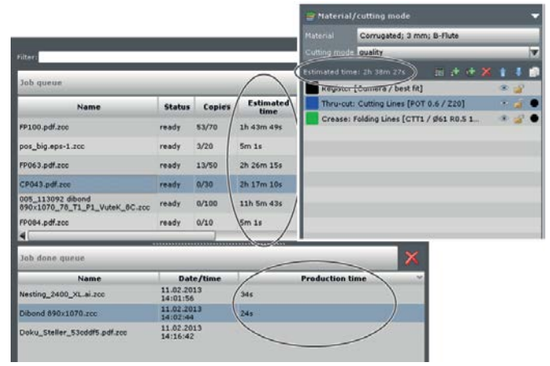


Overcut compensation
Optimize cut quality with the new compensation feature in ZCC 2.0. Cut paths are adjusted based on material thickness and blade in use.

t...material thickness
TM...cutting depth
x1...overcut



Production time calculation
Use this feature to facilitate production planning. In the Cut Queue, each pending job shows an estimated production time. Besides pure processing, the estimate also includes the time required for job-specific setup and material advances.
While the job is in production, Cut Center continues to display the estimated time until completion. Any changes, for example as a result of longer setup times, are immediately taken into account.
Once the job is completed, the total production time is saved and displayed in the Cut Queue.
The ZCC XML-interface allows for e.g. integrating this production data into your production planning system.



Batch processing
Use the batch processing option to select multiple jobs in the Cut Queue for processing in the assigned order. For example, select a number of jobs in the evening, and have the cutter produce them overnight.

E-Mail notification
Set up the cutter, start the job, and let it run. If any operator intervention is required, you are notified by email.