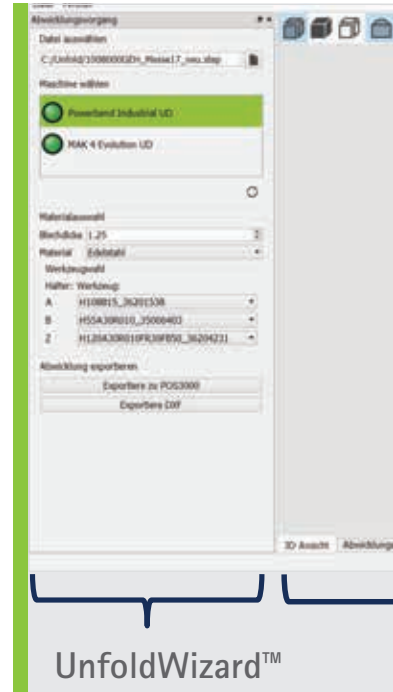




UNFOLD SOFTWARE
SCHRÖDER Unfold

SCHRÖDERunfold™

The revolution in sheet metal working – benefit from the SCHRÖDER bending know-how for your folding products!



Unfold software SCHRÖDERunfold™

Do you know the problem of wrong unfolds?
We have the suitable solution to your problem:

The new unfold software SCHRÖDERunfold™ – uncomplicated and simple

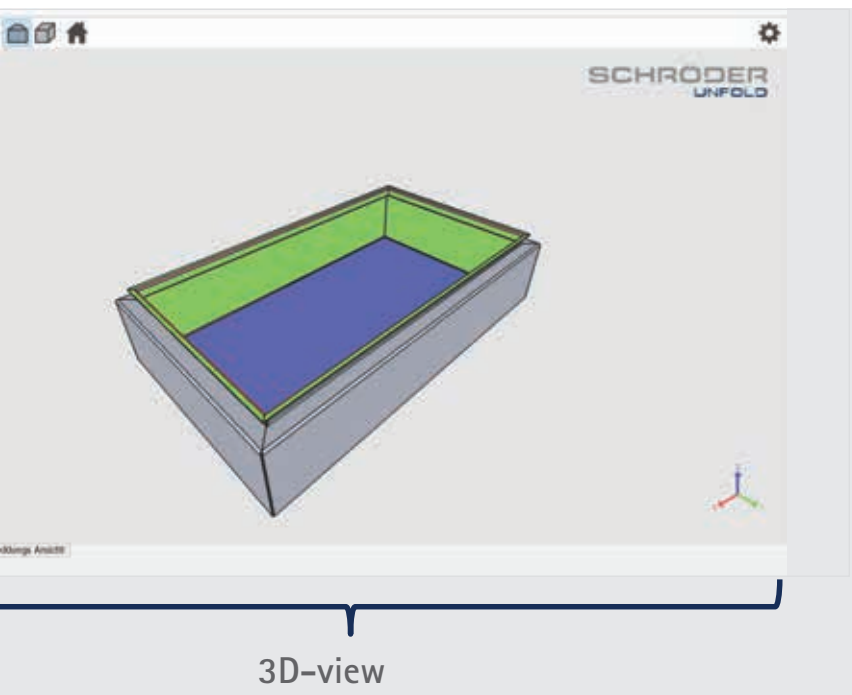
In order to coordinate hardware and software perfectly, Hans Schröder Maschinenbau developed an unfold software to calculate the blank size and program with effortless precision. Step-files are imported into Schröder unfold, they are

unfolded to create the flat pattern, calculating cut size, notch development, and internal geometry placement.

The last step is the creation of the flat profile in a DXF format that can be exported for use in the blank creation process – thus the machine program gets created.

Working comfortably with SCHRÖDERunfold™

Fast and simple - from the construction process to the final bending part.



.DXF-file for
exact cuttings

Export directly into
the machine software
POS 3000

Export functions

Functions of SCHRÖDERunfold™ -
From 3D-graphics to exacting flat pattern:

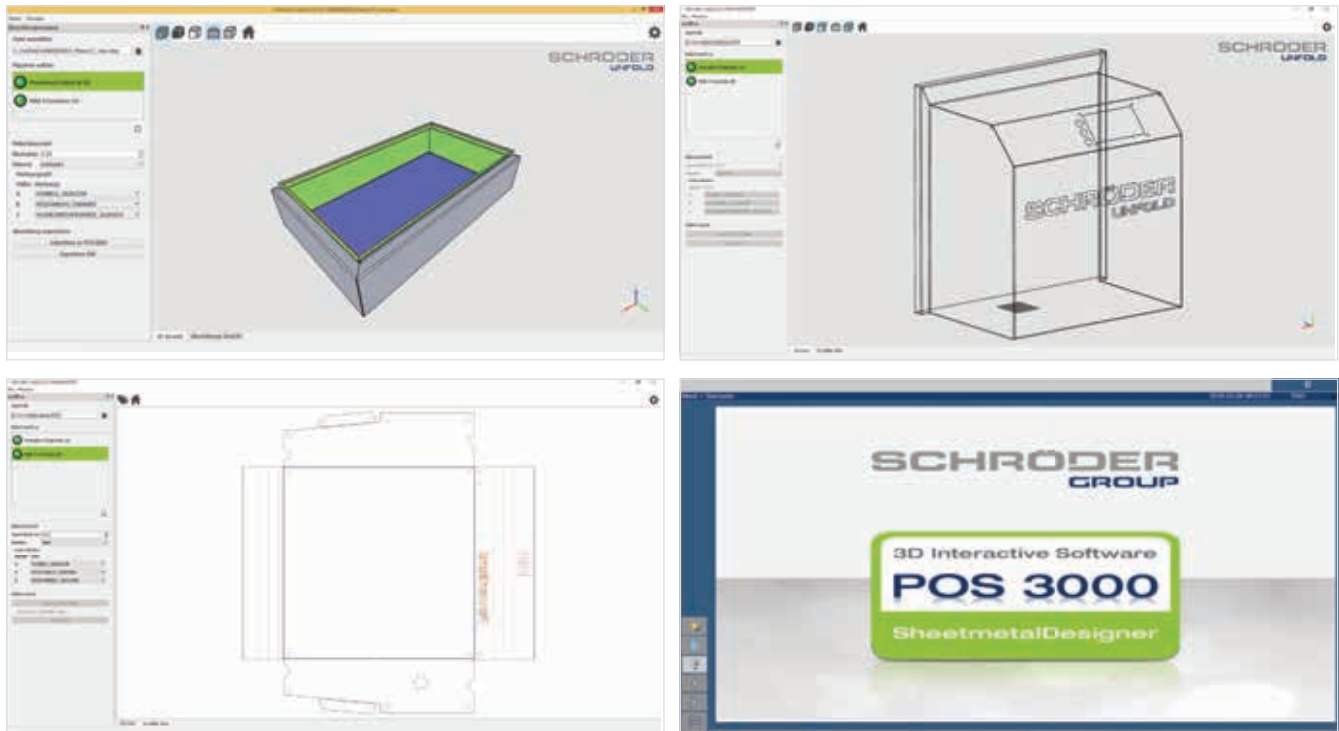
- An unfold wizard (assistant) guides the user through the process step by step.
- No previous knowledge or experience in CAD applications is necessary.
- The flat pattern is developed using the bending calculations from the Schröder folder ensuring accurate results.



Software control POS 3000 of the folding machine SPB Evolution UD

SCHRÖDERunfold™ procedure

In just a few simple steps the unfold software guides you to your desired unfold file.



User interface of the SCHRÖDERunfold™ software – clear and easy user guidance

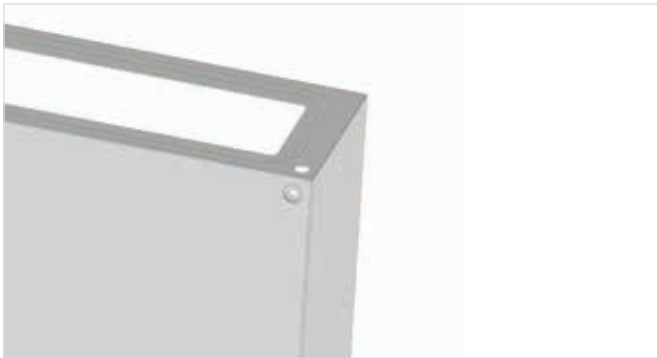
From the .STEP-file to the machine program in a few seconds

Unfold procedure	
1.	Import of .STEP.-file
2.	Start of unfold assistant with selection of <ul style="list-style-type: none"> - product name - material thickness - material type - machine type with tools
3.	Export of unfold file into <ul style="list-style-type: none"> - POS 3000 - DXF



NEW functions of SCHRÖDERunfold™

Since our last unfold presentation at the EuroBlech show in 2016 we have continuously enhanced and improved the unfold software.



The new functions of the unfold software

The new functions of SCHRÖDERunfold™ at a glance:

- From the end of 2017: automatic support of swaging and welded-on pieces
- Interactive measuring of component parts right in SCHRÖDERunfold™
- New bending radius management

System requirements:

- Windows XP or later
- Memory: 4GB RAM or more
- Hard disk: 1 GB or greater
- Processor: I 5 or faster
- Format:
 - Import of .Step-files (.STEP and .STP)
 - Export of DXF-Files (.DXF)



A human-machine interface the way it should be:
Folding machines from Schröder receive their instructions via
touch display panels.

Above: The control software becomes a
convenient product catalog.
Below: Not only the work piece is displayed,
the tools are also shown – in this case, in
the mounting plan.

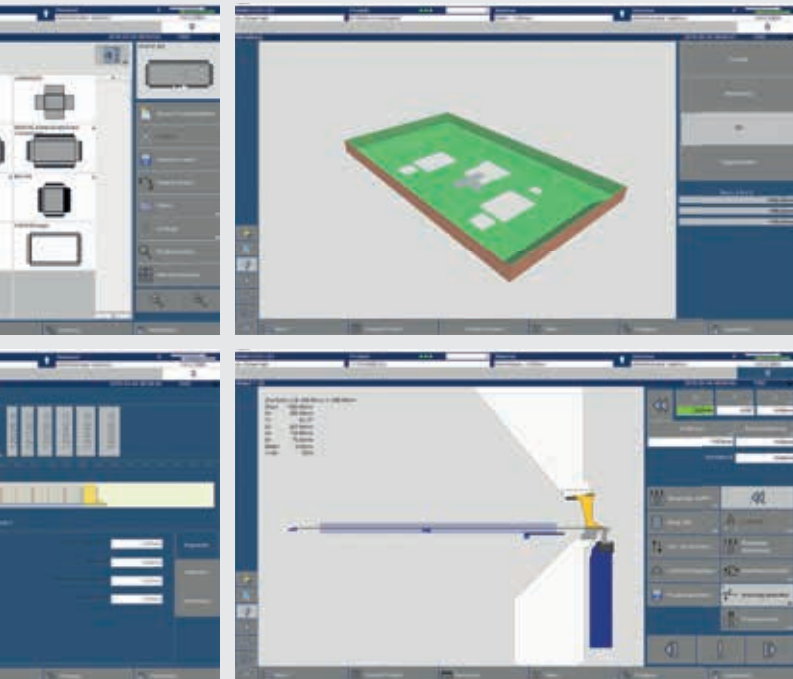
POS 3000 3D graphic control: Interactive sheet design

With the POS 3000 3D graphic control, our sheet metal working specialists are setting new standards in the control of industrial sheet metal processing.

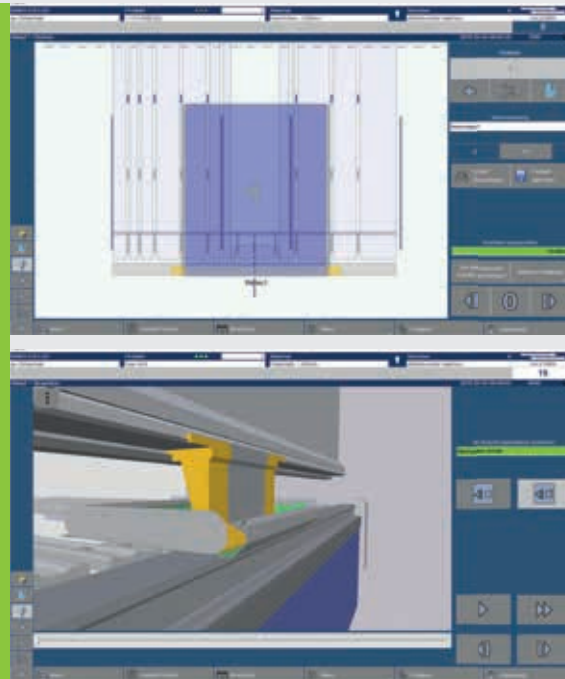
The new, high-end POS 3000 control and the folding machines in the Evolution series from Schröder are a perfect match, including control over complex machine options like automatic tool changers and handling robots.

Special feature: Program graphically with the POS 3000. Since ultimately, we know that: Your operating staff and preparation employees have a better eye for products than they do for IT programming lines. The machine, tool, work piece, and type of

bend are all clearly displayed. That's why your employees bend visually on the screen beforehand and check the result in the software's 3D bending simulator, making sure that the sheet metal will be processed perfectly from the first bend. Bending programs that have already been created can be called up again quickly, checked visually, and corrected according to material requirements.



Above: the 3D display simplifies dimensioning.
Below: a 2D display of the bending position.



Above: the position of the sheet on the back stop is displayed in the programming plan.
Below: POS 3000 simulates production in 3D.

Working with POS 3000 is extremely comfortable:

Clearly laid-out product selection including a search function and navigation in submenus enables the operator to select work steps and connect them in the production plan menu to create sequences.

Individual product profiles can be designed very quickly via the intuitive finger-activated drawing feature. The exact dimensions may be entered and changed in the dimensioning menu. In order to check and coordinate together with the customer, the drawing may be output on paper using a printer.

Using the program that is created, the software generates the optimal sequence of bends, including automatic collision and threshold value monitoring. The folding angle and cut are corrected automatically using interpolation from the database.



Highlights

- 3D graphic control including a schematic depiction of the machine, tool, and work pieces
- Intuitive, visual touchscreen programming
- 3D bending simulator for visual program inspection
- Mount programming and control of the automatic tool changer
- Cycle time calculator
- Highspeed data transmission to frequency inverters (Ethernet Power Link)
- CAM connection, ERP/PPS interfaces, and DXF converter available
- Remote maintenance from Schröder software service



Schröder Group

The Schröder Group consists of Hans Schröder Maschinenbau GmbH, which is located in Wessobrunn, Germany, and SCHRÖDER-FASTI Technologie GmbH, which is located in Wermelskirchen, Germany.

Founded in 1949, Hans Schröder Maschinenbau GmbH unifies traditional and modern approaches in machine building: Successfully managed as a quality and customer-oriented, family-owned company, Hans Schröder Maschinenbau is specialized in the development of modern machine concepts for bending and cutting sheet metal.

The successful integration of the Fasti Company in 2006 and its worldwide presence make the Schröder Group one of today's leading providers of machines for bending, cutting, beading, flanging, and circular bending all types of sheet metal. The company's precision machines range from proven solutions for craftsmen to innovative, high-performance machines for automatic industrial production processes. Overall, the Schröder Group currently employs more than 240 people at various locations at home and abroad.

All information provided as a guide only
and may be subject to change at any time.
HSM 200526EN

Hans Schröder Maschinenbau GmbH
Feuchten 2 | 82405 Wessobrunn-Forst | Germany
T +49 8809 9220-0 | F +49 8809 9220-700
E info@schroedergroup.eu
www.schroedergroup.eu

SCHRÖDER
GROUP