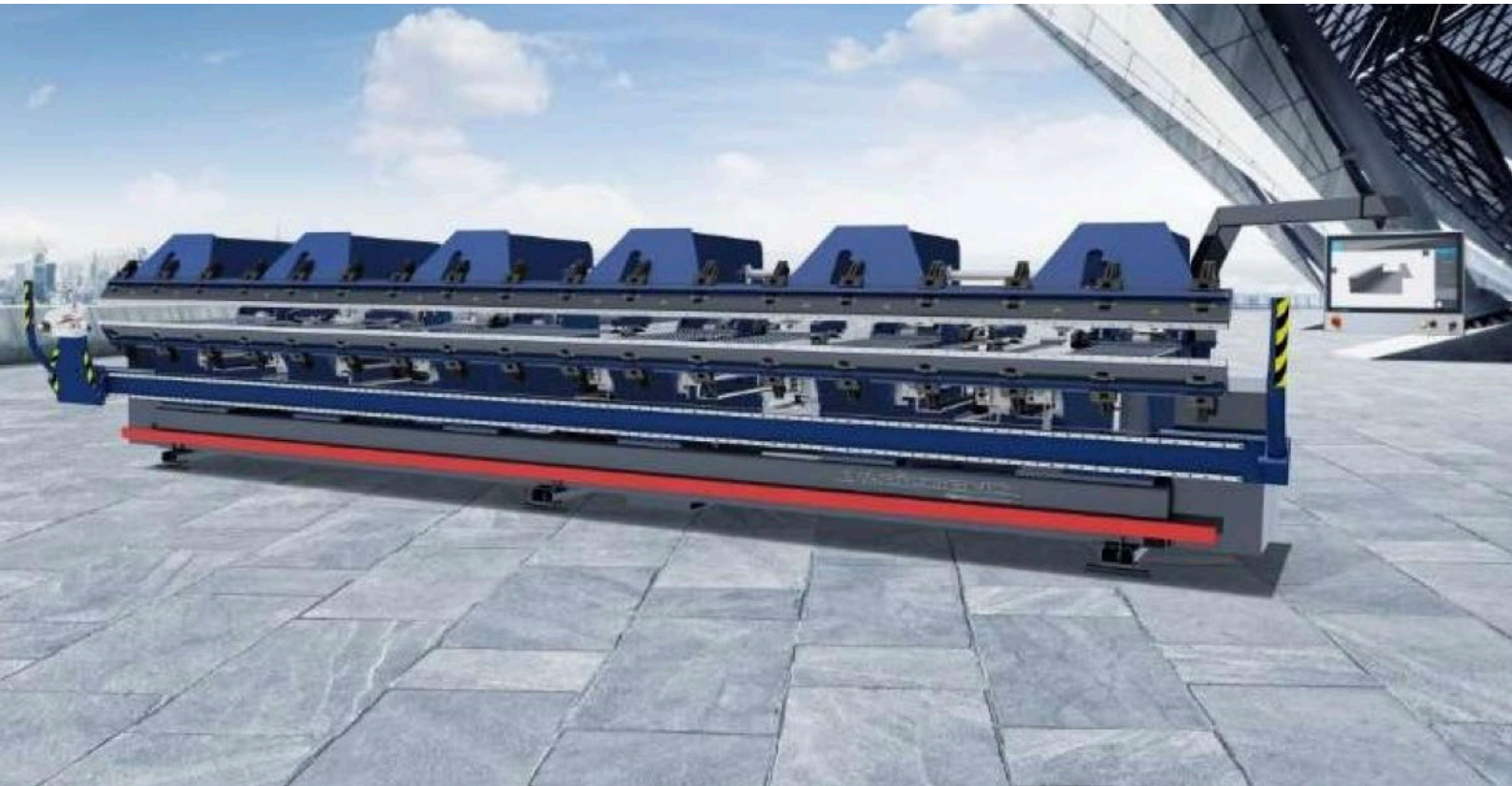


# VARIOBEND

ASCO machines



Equipment options Variobend Doppelbieger

VIRTUAL SALES TOUR

# VARIOBEND Up and down folder

## BASIC EQUIPMENT

### Patented bending system with inclined bending beams

The Variobend double bender's inclined bending beams allow an unprecedented variety of profiles.

The large free space created by the inclined bending beams enables the production of profiles that are only possible on Variobend double benders.



[Link to video](#)

### Cutting device up to 2.00 mm steel

The large cutting device included as standard is connected directly to the machine chassis. This means that the folding beam is free of guide rails, eliminating any obstructions during bending. The speed of the cutting unit is freely adjustable. The soft start and soft stop ensure dynamic and drive-friendly operation.



[Link to video](#)

### Variobend 3D software

From sketch to bending program faster than ever before. The Variobend V-Touch is a unique software that combines efficiency and user-friendliness in an unprecedented ratio.

The standard Variobend Touch control system impresses with its user-friendliness and clearly structured layout. Any number of profiles and folders can be created in the profile management. These can be moved, copied or exported with a simple touch. Functions such as conical bending or interlocking of profiles as well as bending simulation are standard. The modern 21.5" flat screen in HD resolution enables optimum input and display.



[Link to video](#)

### Variobend Office version

### Electric back gauge on ball screw

The Variobend back gauge, which is driven by high-precision, maintenance-free ball screws, guarantees perfect positioning. Compared to toothed belt-controlled back gauges, the positioning accuracy is not lost due to decreasing toothed belt tension. The electric back gauge covers a range of 5.0 - 1,000 mm, optionally up to 1,250 mm depending on the insertion depth. Thanks to their curved shape, the stop fingers allow an optimum stop with the greatest possible stability and rigidity. With the optional conical bending function, profiles can be inserted into each other and folded conically.



[Link to video](#)

## GRUNDAUSSTATTUNG

### Torsion bar technology from Variobend

On Variobend long folding machines, the clamping beam is opened and closed via a continuous control shaft. In addition to the parallel closing and opening of the clamping beam, this technology offers the advantage that water folds can be closed to a predetermined level in a controlled manner.



[Link to video](#)

### High-strength beam segments form Variobend

The high-strength beam segments of the Variobend EB models ensure the best bending results without leaving unwanted marks in the material. This is achieved thanks to the high strength of 1,200 N/mm<sup>2</sup>, which corresponds to around three times the hardness of a conventional steel sheet. In addition, the segmentation means that damaged beam segments can be replaced at any time without having to replace the entire bending beam or clamping beam or carry out costly repairs.



[Link to video](#)

### Chassis from Variobend

Excellent bending results are achieved thanks to the high basic rigidity of the machine. Due to the rigidity of the closed frame profile, Variobend long folding machines no longer have to be bent and anchored in the workshop floor. In addition, this frame construction guarantees that the bending angle accuracy of the machines is maintained over a much longer period of time than with simpler U-profile constructions, for example.



[Link to video](#)

### Opening height

Unique and only with Variobend - the large opening height of the clamping beam of 770 mm. This means that the profiles can be turned on the machine table by just one person. The cumbersome and time-consuming turning of the profiles on a cutting table in front of the machine is no longer necessary. This eliminates the need for a second person to turn the profiles on a cutting table. This unique design also allows small coils to be inserted and unrolled directly in the machine.



[Link to video](#)

### Conical back gauge

Joining of profiles  
Multipart taper , Easy assembly on site Max. Taper +/- 120 mm over 6 meters



[Link to video](#)

# VARIOBEND Up and down folder

## OPTIONAL EQUIPMENT

### Insertion depth of 1.250 mm



[Link to video](#)

### Servo motor

Variobend RP technology (Start|Stop)  
Higher production output due to approx. 30% higher bending speeds.

\*Already included as standard with our 2.00 mm models



[Link to video](#)

### Variobend gripper system (basic set)

Variobend gripper station:

Number of grippers: 4 meters|3 pieces; 6 meters|4 pieces,  
8 meters|5 pieces, 10 meters|6 pieces

Minimum gripper dimension: 35 mm

Overgrip height: 38 mm



[Link to video](#)

### Variobend additional gripper (short length gripper)

Minimum gripper dimension: 35 mm

Overgrip height: 38 mm



[Link to video](#)

### Variobend Additional gripper opening circuit

With this function, grippers can be opened separately as a group.  
This means that one operator can work efficiently.



[Link to video](#)

### Variobend moveable L-Shape

An additional safety fence is included for all machines with automatic gripper.  
With this option, it is possible to move this fence backwards to gain additional space in front of the machine.



[Link to video](#)

### Rear protective fence

The fence supplied as standard includes side protection for the machine. If the machine is to be positioned freely in the room, the rear protective fence option must also be ordered.

# VARIOBEND Up and down folder

## OPTIONAL EQUIPMENT

### Automatic crowning using servo technology

Each individual stand can be positioned separately using ball screws and the latest servo technology. With the help of crowning, you can achieve extremely precise bending results over the entire working length. The crowning can be programmed easily and precisely using the Variobend Touch Control.



[Link to video](#)

### Variobend flipping device

This unique technology is both highly efficient and cost-effective.

#### Technical information:

Turning of profiles:

- + with a cutting length of 220-650 mm,
- + over the entire working length
- + up to the maximum material thickness



[Link to video](#)

### Variobend digital package

The newly introduced digital package from Variobend offers you the best possible networking of your machine.

- Incl. PDF export with square meters and weights of the folded parts
- Incl. DXF import on the Variobend
- Incl. DWG import on the Variobend
- Incl. barcode reader
- Incl. interface for third-party software such as Bendex, NuLT or Sema
- Incl. XML interface for integration into ERP systems or other software
- Incl. 3 annual licenses for the Variobend app
- ASCO production software ready



[Link to video](#)

### Variobend remote control

Work even more flexibly with the Variobend remote control. With the new remote control, a wide range of commands can be executed quickly and easily using a remote control. The remote control, which can be assigned seven buttons, allows you to start the automatic gripper system and close and open the grippers. If additional gripper opening circuits have been ordered, these can also be opened separately using the remote control (max. 3 opening circuits possible). The remote control also stops the automatic system. The remote control is based on the latest safety technology and therefore complies with CE regulations and ensures safe operation.

\* Only available for DB models with gripper system



[Link to video](#)

### Variobend pressure regulation

With the help of the new dynamic positioning, which works with the latest measurement and control technology, it is now possible to program the clamping beam stands precisely and individually using the modern Variobend Touch control system. With the help of this function, it is now possible to specify an individual closing dimension for each clamping beam stand.

This function is particularly useful for folds that are to be opened in parallel over the entire working length, and as the material springs back more in the middle of the profile than at the end, this effect can now be counteracted with the help of dynamic positioning. Thanks to the now adjustable clamping beam stands, different values can be used on the outside than in the middle of the profile. This system therefore guarantees perfect open folds over the entire working length.



[Link to video](#)

# VARIOBEND Up and down folder

## OPTIONAL EQUIPMENT

### Cutter with automatic cutting gap and overlap adjustment

The new generation of the Variobend cutting device is characterized by its automation. This is the first cutter that adjusts itself fully automatically to the selected material.



[Link to video](#)

### Variobend roll former

Maximum roll forming performance:  
0.8 mm steel (400 N/mm<sup>2</sup>) | 1.0 mm aluminum (190 N/mm<sup>2</sup>) | 0.5 mm  
stainless steel (600 N/mm<sup>2</sup>) Smallest possible side length  
A: 45 - 60 mm | B: 25 - 32 mm

### Variobend special paint finish

The machine can be painted in a special color on request. Please note that only the existing standard colors (blue and grey) can be replaced by desired colors in the same division. Multiple painting is not possible.

### Control panel on rollable stand base

Another option for more flexibility is the operator console on a rollable stand. Connected with a cable, this console can then be positioned anywhere on the machine. The boom holder is included as standard.

### Extended parts warranty of 12 months

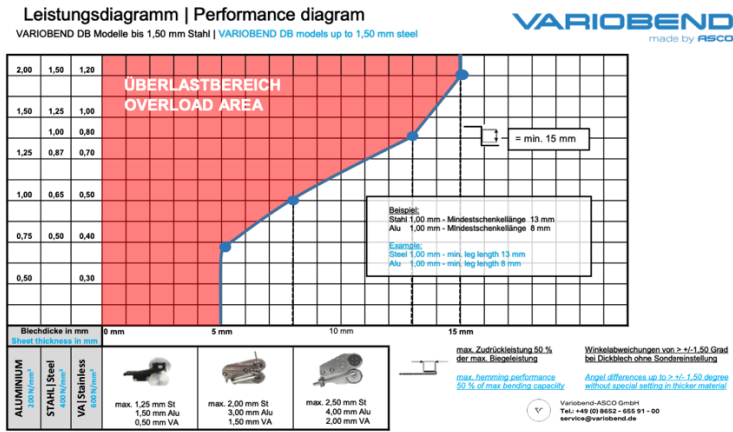
The 12-month full warranty included as standard can be optionally extended by a further twelve months.

### Variobend API interface

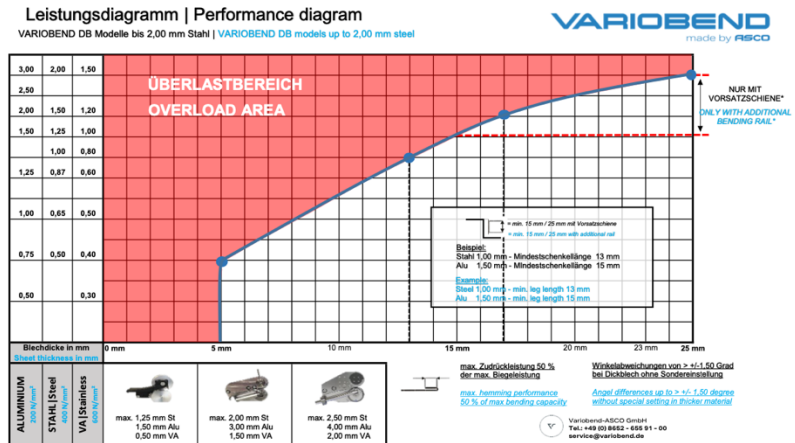
With the newly developed API networking, it is possible to integrate the machine effortlessly into merchandise management systems.

# VARIOBEND up and down folder

## Performance diagram for 1.50 mm steel models



## Performance diagram for 2.00 mm steel models



## TECHNICAL DATA

## Do you have any questions?

We are happy to help you.  
Please contact us or the relevant specialist dealer!  
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[Click here](#)