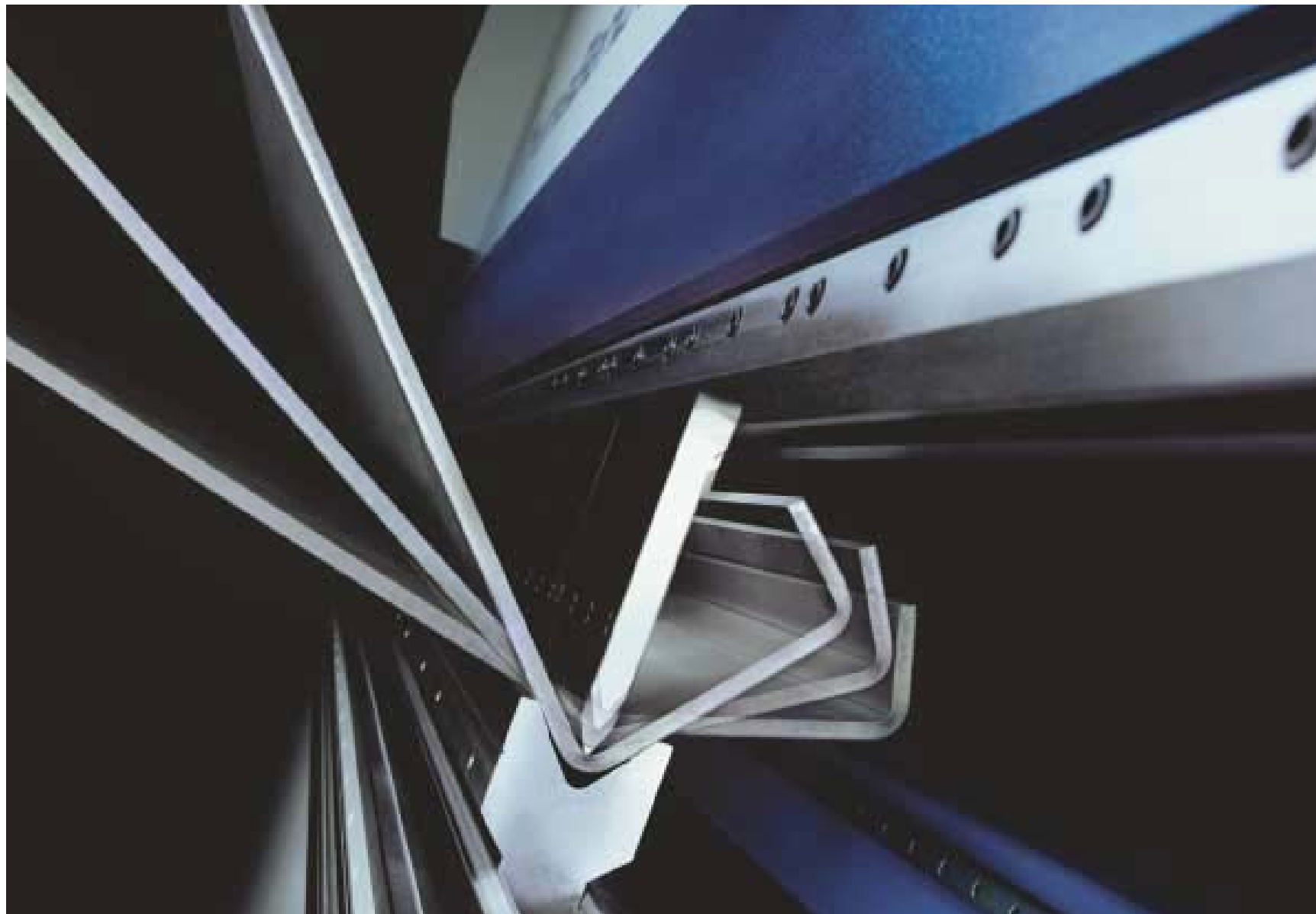
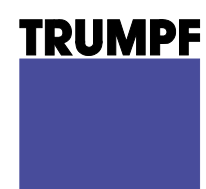


# TRUMPF CNC Press Brakes



**XXL Press Brake Bending:**  
**TRUMPF CNC Press Brakes TrumaBend S Series**



# TrumaBend S Series: Ready for Any Task



**Do you know about the future requirements of your customers? If not, we provide a solution that is flexible enough to meet these requirements yet to be formulated.**

**Do you need a machine to handle all your projects? If so, we have an adaptable design for you to manage a variety of jobs.**

**Are you looking for a special solution? If so, then we have a press brake that can be customized fitting your special needs.**

TRUMPF has teamed up with EHT Werkzeugmaschinen GmbH in a sales cooperation that allows TRUMPF to add special models to its existing line of press brakes.

The TrumaBend S Series allows you to choose the press tonnage and working length you want. You are completely free when it comes to accessories and attachments. Precision and maximum reliability are the most important features.

But of course we did not forget about costs.

Series-produced assemblies ensure high quality and the best price-to-performance ratio.

TrumaBend S 400 with 400 metric ton press tonnage and 5 m working length (surface-mounted model).

# Infinitely variable

The strength of the TrumaBend S Series is due to the flexible setup of the machine. Table, ram, frame and naturally the press tonnage and working length are all variable. We customize the entire machine geometry.

The throat or the travel can be tailored to your needs from the very beginning. The result is a machine that is totally adapted to your requirements.



Large tool adapters for bending tasks with extreme loads.



Spacious throat sizes, special tools, and space-saving machine designs create a lot of space from start to finish. Because transparent and effortless work conditions are a basic necessity for consistent quality.

# Material handling made easy

The support brackets can be easily moved in hardened profile guide rails. The brackets are adjustable vertically and laterally and can also be positioned flexibly and at precise angles. Also available as options are side, micrometer, and spring-loaded hinged stops as well as ball rollers in the support surface.



Bending aids are used to handle large sheets, heavy sheets, thin unstable sheets and, above all, long flanges. Bending aids are extremely useful because they are adjustable laterally and vertically and also programmable. Sheets are supported during the bending process. This ensures fatigue-free working over a long period. Production is possible with only **one person**.

The first angle fits on the first go – whether with TRUMPF configuration (Delem control and TRUMPF angle measuring system ACB) or EHT configuration (Cybelec control and LCB ›Laser Controlled Bending‹).



# Saving time means cutting costs

Well-conceived accessories make press brakes truly effective. Our delivery program includes a variety of solutions. We bring decades of practical experience to the table. You can choose between TRUMPF and EHT tooling system.



The DNC programmable crowning device in the table ensures high bending precision. Its low working height makes this device extremely ergonomic. The DNC control calculates the necessary value and automatically adjusts the crown. This saves time and money and provides relief for the operator.

The upper tool clamping guarantees incredibly fast setup times. Tool segments can be easily removed from below or from the side at any time.

TRUMPF Laserdur bending tools are wear-resistant and long-lasting because all work radii are laser-hardened.

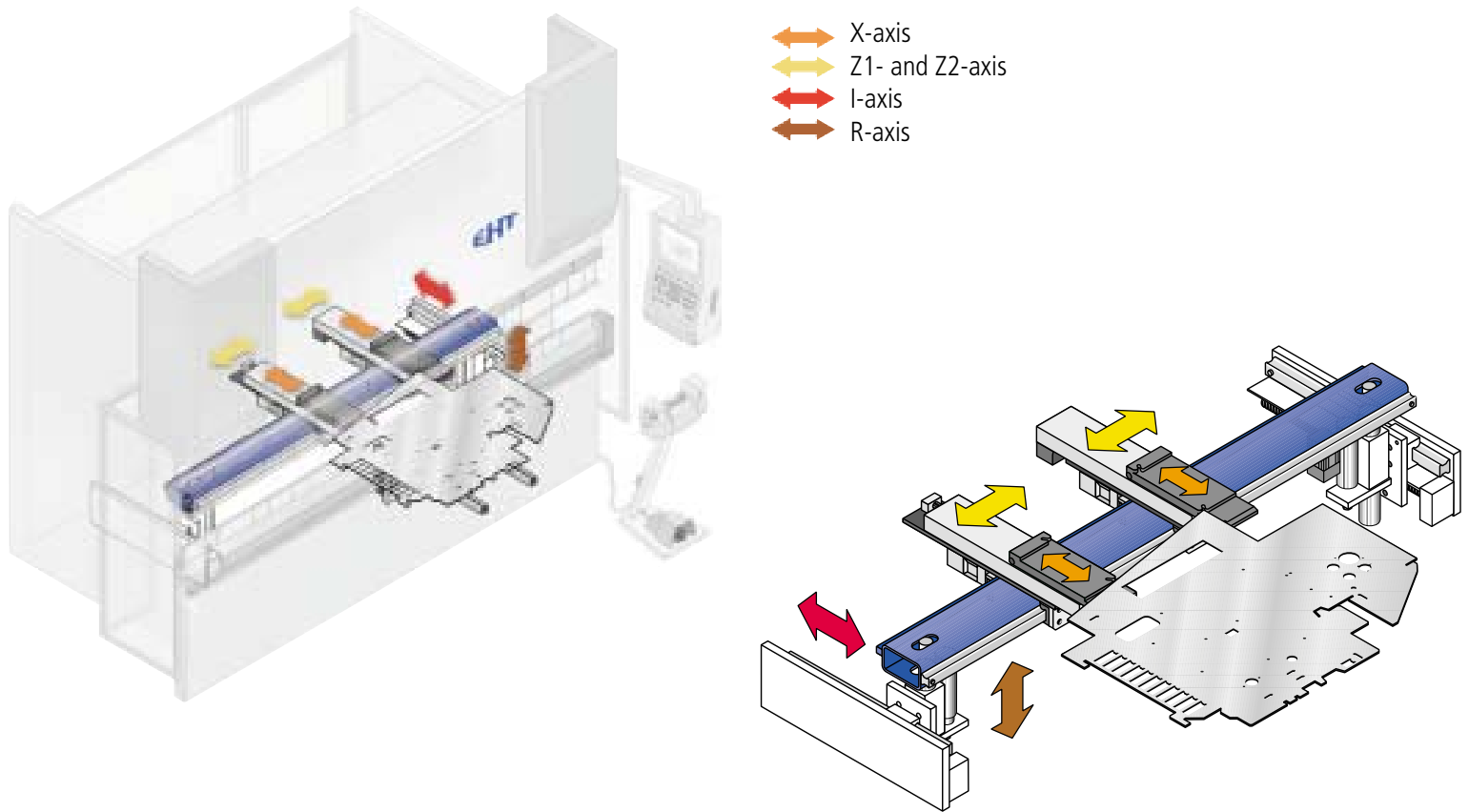


Prebending and folding without changing tools. Working at several stations. Shifting the bottom die saves time and allows to create complex geometries in one cycle. Manual adjustments are not necessary.



# Flexible backgauge systems – the heart of the machine

## SYSTEM I – 2, 4 and 5 axes

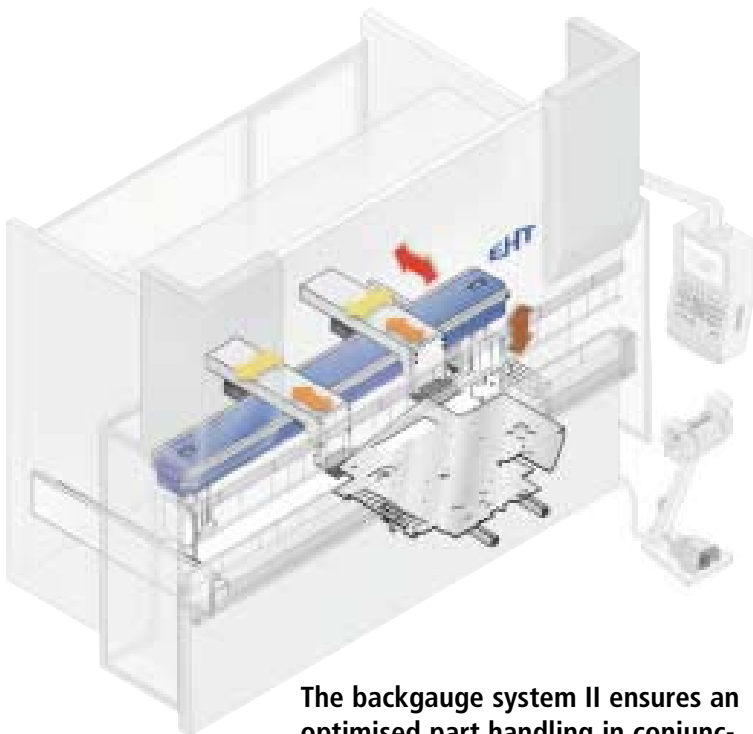


**Cutting-edge technology:**  
All backgauge systems are fitted with dynamic axis drives with AC servomotors, which ensure maximum positioning speeds.

## SYSTEM III – 6 axes

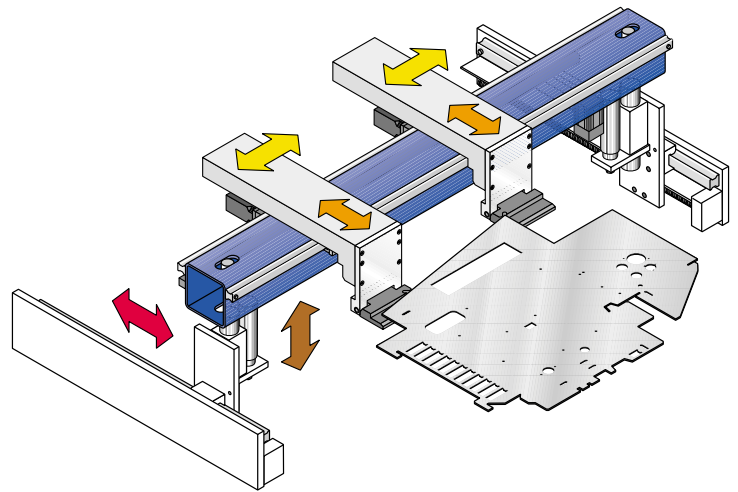


## SYSTEM II – 2, 4 and 5 axes



The backgauge system II ensures an optimised part handling in conjunction with a sheet lifting device or a rear bending aid.

- X-axis
- Z1- and Z2-axis
- I-axis
- R-axis



- X1/X2-axis
- R1/R2-axis
- Z1/Z2-axis

**Ideal for bending lines running slantly to the stop edge. Backgauge fingers are located on two moving units that operate completely independent of each other. The backgauge fingers can be positioned within the 3D work range in any position desired.**

## Control and software – you choose

Modern sheet metal machining also means modern controls and software. Windows OS, clearly arranged color monitors, 2D-3D simulation, intuitive and self-explanatory programs, large buttons and keys as well as network capability are all standard features. For decades, our press brakes have offered a wide array of control and software packages.



- Programming directly at the machine or via an external PC is possible.
- The NC program transfer to the machine is possible via data cable, floppy disk, network or USB storage medium.
- Minimal adjustment and setup times  
PDF documents (e.g. tooling plan) can be directly displayed in the control.
- Optional 3D visualization and programming possible.

## Delem

## Cybelec

DNC 1200, the latest generation of Cybelec controls are best configured: CD-ROM drive, floppy-disk drive, Ethernet/network connection, 3D program software for external workstation, CAD interface, serial and parallel interface...



**DNC 1200 ECO COL/  
MODEVA 10 W**  
10.4 inch TFT color monitor,  
2D programming of control,  
external 3D programming software possible.

**DNC 1200 Presscad  
MODEVA 12 W**  
12 inch TFT color monitor, 2D programming  
of control, external 3D programming  
software possible.

We also offer extensive accessories and software as options for many applications.

# TrumaBend S Series – Special Solutions

Experience in press brake manufacturing in many years and several thousand machines installed worldwide are the foundation for our competence and quality.

Day after day our engineers create large press brakes, tandem machines, special machines, special tools, special attachments, special backgauges and much more.

TRUMPF and EHT are reliable partners for modern press brake bending, providing you with customised solutions for your projects and plans.

Press brake with front transfer unit for full-automated bending.



Press brake with integrated backgauge and transport system for automatic manufacturing of trapezoidal bead sheets.



Press brake with increased travel and special tool.

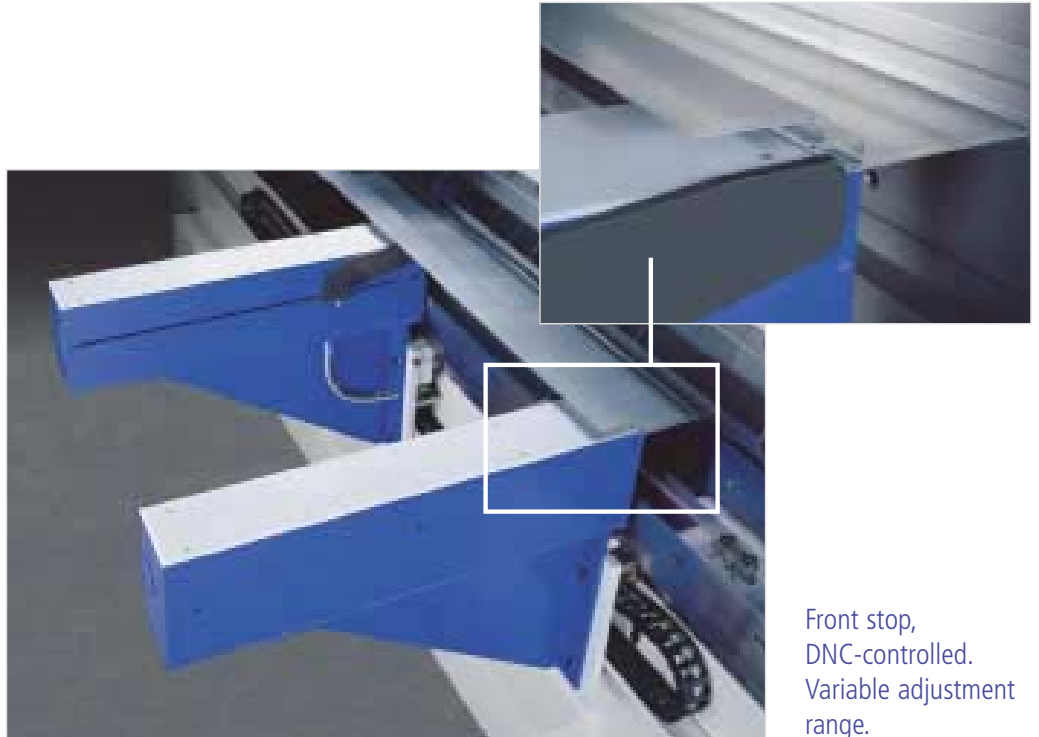


# TrumaBend S Series – Special Solutions

Customized solutions open up completely new prospects. Press brakes that allow you ample flexibility in manufacturing the products of tomorrow. Solutions that from start provide you with every option while keeping pace with your needs step by step. Concepts that can be used productively and practically throughout the production process. For simple and quick ideas, you need a flexible partner. Efficiency, product variety and long-standing know-how continue to be our most significant advantages.



Press brake with 800 metric ton press tonnage and CNC tool magazine.



Front stop, DNC-controlled. Variable adjustment range.



Special press brake model for producing door frames.

# TrumaBend S Series – Data

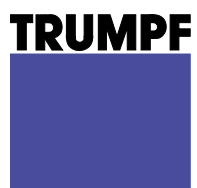
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	S 135	S 175	S 225	S 300	S 400	S 500	S 600	S 800 ...
Press tonnage (kN)	1350	1750	2250	3000	4000	5000	6000	8000 ...
Bending length* (mm)	2050–5050	2550–6050	2550–6550	3050–7050	4050–8050	4050–8050	4050–8050	
Open height** (mm)	440	440	440	440	595	595	495	

\* also optional in shorter or longer format

\*\* optional increase of 150 – Modification through tool system possible

Individual models are tested upon request.



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