

Cost-Efficient Bending TrumaBend C Series

Quality and Economy

High-quality bending at a low price

The machine concept of the TrumaBend C Series was developed and improved in collaboration with our customers. The task:

- Good price/performance ratio
- High production quality
- Simple and fast operation
- Reliable under real-life day-to-day conditions

Comprehensive result for standard equipment

- Modern drive concept using 4 cylinders (down stroke)
- Electrohydraulic drive in proportional valve technology
- Ram inclination Y1/Y2
- Beam positioning via glass guide encoder
- CNC backgauge in X and R
- Z positioning of the stop fingers using macro-switching in front of the bending line
- Self-active crowning, adjustable using crowning wedges
- Graphic programming
- Control DA 65 TW in real-time Windows, multitasking
- Self-centering upper tool adapter for non-TRUMPF tools (Amada style, LVD style)
- Support brackets as standard (CE version)
- Folding stop fingers with 3 stop levels
- Hydraulic oil tank made of stainless steel
- Oil cooler as standard

Bending precision begins with the machine frame

The machine frames of the TrumaBend C Series are calculated according to FEM and are designed with multi-level safety features. The positioning accuracy of the axes is given special importance:

- 0.01 mm for the ram (angular accuracy of the bending part)
- The stop fingers in the X axis are within ± 0.05 mm (length of the bending side)

After welding, the machine frames undergo stress-relief annealing and sandblasting.



Technology for Beginners and More Advanced Operators



Stop fingers with 3 levels

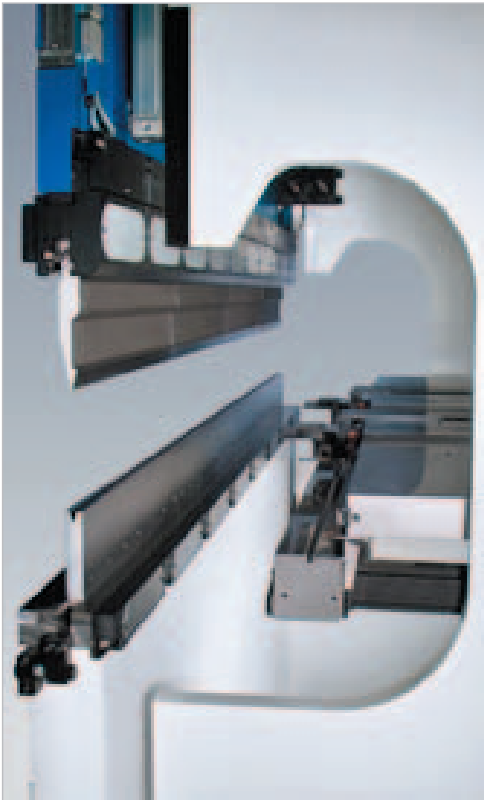
- Standard 880 mm stop range in X
- Folding stop fingers
- Threaded holes for additional stops
- Optional micrometer stop fingers ± 5 mm to compensate for cutting imprecision



2 and 4 axis back gauge

- No setup time needed for X and R axis because the stop depth and height can be programmed as desired
- Manual Z positioning of the stop fingers by means of macro-switching
- Optional CNC Z1/Z2 positioning
- High positioning speed of the stop fingers

Open system: Optional Tool Adapters



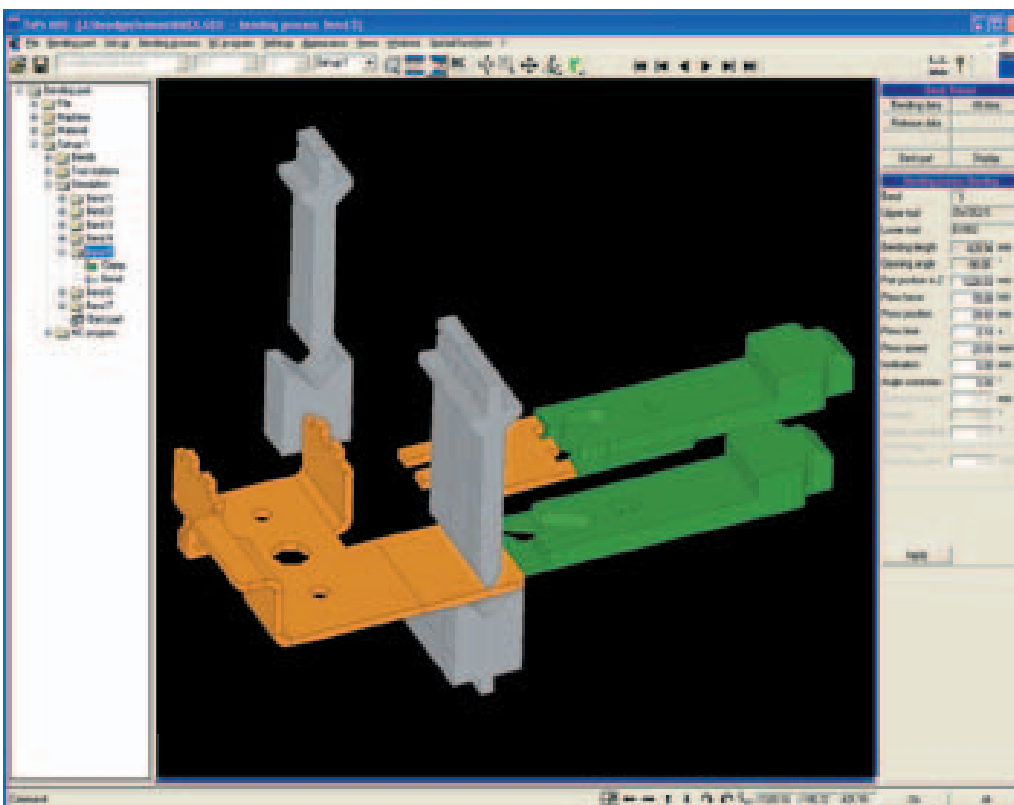
Variable tool system

- Manual tool holder (standard equipment)
- Self-centering, without any reference stroke
- Can be used with 180° rotation
- Up to 100 mm vertical length possible (safety click)
- Head and shoulder-supporting upper tools can be used
- Station bending is made easy
- Mechanical hemming tools in selectable section lengths are easy to use
- Selectable upper and lower tool adapters for non-TRUMPF tools included at no extra charge (Amada US style, Amada Asia style, LVD US style)
- Can be easily retrofitted to TRUMPF at a later time
- Optional: upper tool "Quick Clamp" holder
- Optional: Pneumatic upper and lower tool holder (TRUMPF and Amada style)



Easy programming and control

- Programming on the control unit or via an external PC
- Modern graphic control with LCD flat screen
- The control panel can be easily adjusted to the best position for each operator
- NC programs can be transferred via a network or floppy disk
- Networking is optional



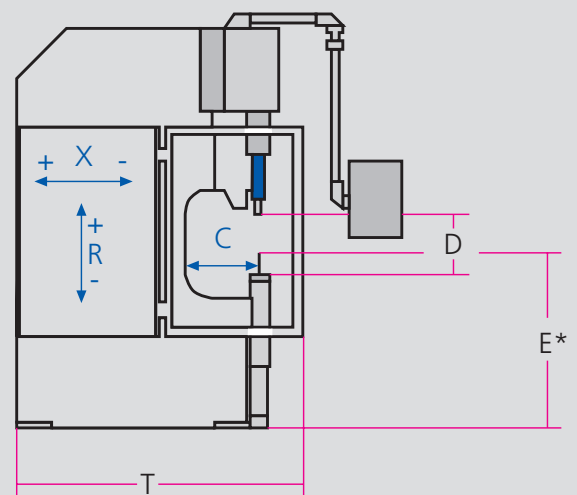
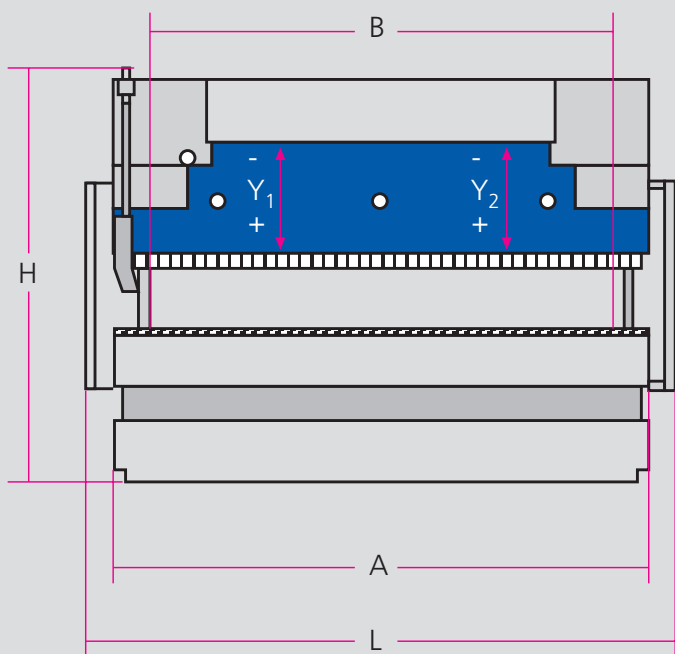
ToPs 600 – Integrated know-how

ToPs 600 is a technology-oriented programming system that fully supports the operation of the TrumaBend C Series. ToPs automatically proposes the bending sequences, generates site-specific setup plans and can also simulate the entire bending process. ToPs 600 takes into account the tool adapter system you have chosen.

ToPs allows you to comfortably program with a PC during production – the data are integrated and processed in the machine control.

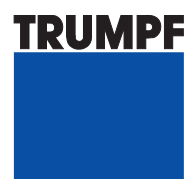
Technical Data

Machine	TrumaBend C60	TrumaBend C110
Press tonnage	600 kN	1100 kN
Stroke (Y1/Y2)	200 mm	200 mm
Max. installation height	432 mm	432 mm
Effective open height (D)	342 mm	342 mm
Ram inclination	±3 mm	±3 mm
Bending length (A)	2080 mm	3110 mm
Width between columns (B)	1750 mm	2690 mm
Throat depth (C)	420 mm	420 mm
Bed width	80 mm	100 mm
Working height (E*)	1000 mm	1000 mm
Max. stop range in X	880 mm	880 mm
Travel range in X axis	500 mm	500 mm
Max. travel speed in X ¹	350 mm/s	350 mm/s
Travel range in R axis	340 mm	340 mm
Max. travel speed in R ¹	100 mm/s	100 mm/s
Max. travel speed in Z ¹	1000 mm/s	1000 mm/s
Y rapid approach	200 mm/s	100 mm/s
Y press speed	10 mm/s	8 mm/s
Y return speed	200 mm/s	80 mm/s
Drive motor	7.5 kW	7.5 kW
Oil filling (approx.)	100 l	100 l
Weight (approx.)	4900 kg	7700 kg
Dimensions (LxT)	2450 x 1645 mm	3400 x 1645 mm
Dimension (H)	2412 mm	2412 mm



* with a tool height of 100 mm

TRUMPF is certified in accordance with DIN EN ISO 9001 and VDA 6.4



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