

weinbrenner



B12 Bending Centre

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The world of industry has undergone many changes since the first Weinbrenner Bending Centre was installed in 1983. Today, metal shaping often involves rapid job progression and small batches. For this reason, companies need to know they can rely on their machines at all times. The B12 Bending Centre is designed for reliability. The B12 modular series handles workpieces up to 3 mm thickness.





Winning Features



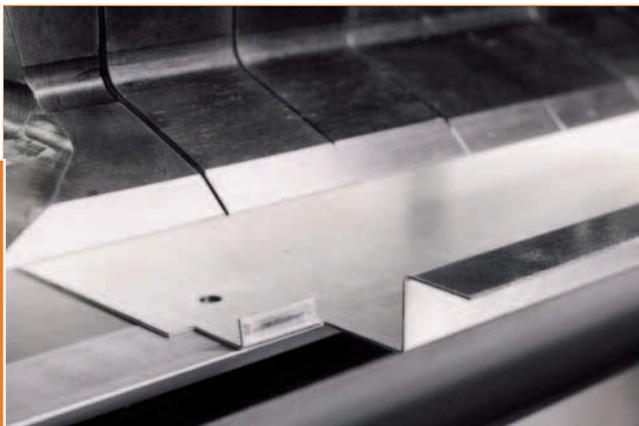
- The system features full digital automation for optimized workflows, resulting in minimum process times and maximum yield.
- Swing bending offers a range of advantages. Two independently operated bending jaws allow for virtually unlimited rearward bending space. In addition, this method does not damage the surface of bent parts.
- Weinbrenner B12 Bending Centre handles sheet thicknesses of up to 3 mm and flange heights of up to 500 mm. The automated tool changing system cuts setup times to zero.
- Unplanned downtime is rapidly remedied by our state-of-the-art remote Teleservice and Video Service.
- The Bending Centre is easy to integrate into existing or planned production systems. Design of hardware and software interfaces for connection with warehousing systems, punch or laser technology is possible at any time.
- Industrial robots handle the bending parts and require no separate programming. No need for teach-ins.

Flexible Options

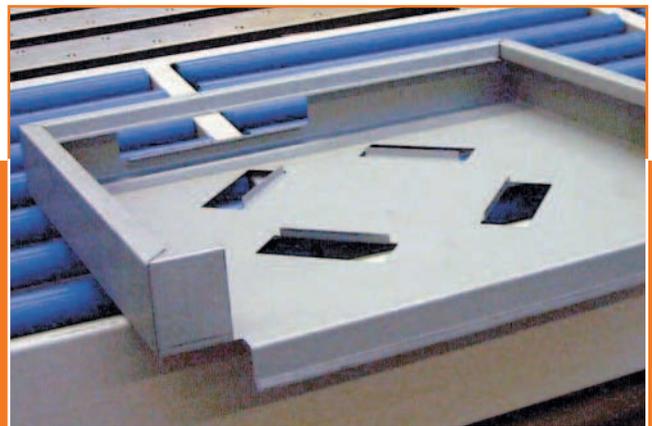
Finding solutions to virtually all requirements

Complex parts for single-pass production represent an enormous challenge for bending technology.

Here, the fully intercompatible options LU and LO, LKNU and DF can provide solutions.



Bending flaps with LU



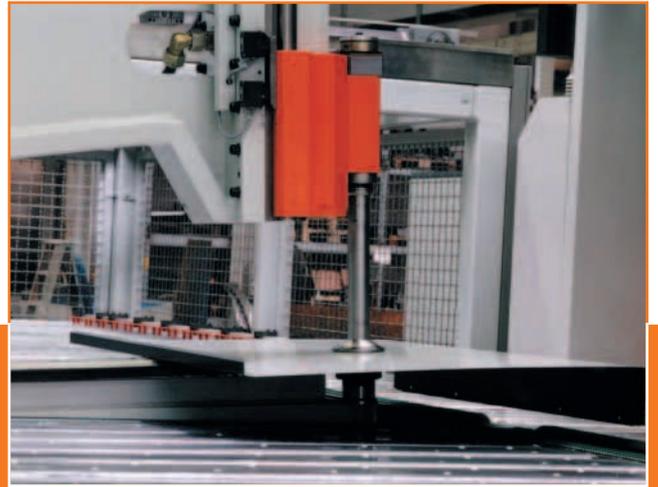
No problem for the B12: here, options LU and LKNU operate in one part.



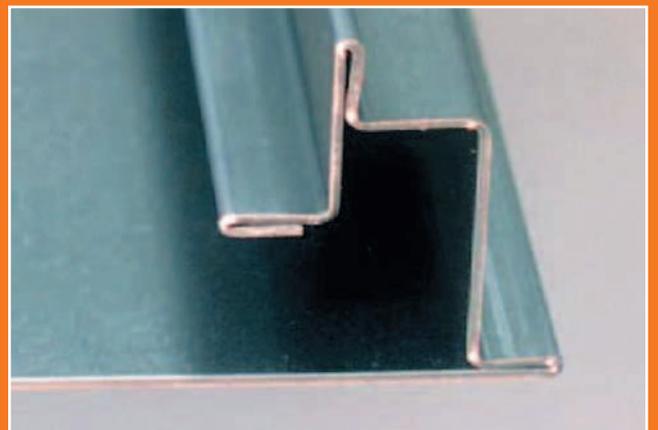
Bending windows and tabs using Option LU



Integrated into the loading area: Option K4R. 4 CNC-adjustable notching units can perform multiple notching operations during the main bending process.



Option LKNU is used for workpieces with negative (downward-facing) folds. The manipulator lifts the piece into the normal unloading position.



Option DF is a patented hydraulic folding system for lengths up to 3 m. It can either be integrated into the back of the B12 or operated by robot as an independent station.

Hardware and Software

Our information age is governed by criteria that are in a continuous state of development. Today, the use of multimedia functions is widespread - take our Teleservice and Video Service, for example. Via ISDN or analogue telephone, GSM or Internet, our service engineer opens the B12 control settings on his notebook, logs in and takes over control of the system.



CNC control unit
Siemens SINUMERIK 840D



Teleservice
Always ahead: modern-driven updating
and remote maintenance



Videoservice
Always live: online contact concentrates
on essentials



Simple to integrate

B12 in metal-forming process chain





Overview of models

Type B12	Sheet thickness [mm]	Bending length [mm]	Width [mm]	Flange height [mm]
B12-2160.160.2	2	2160	1500	160
B12-2160.225.2	2	2160	1500	225
B12-2160.350.2	2	2160	1500	350
B12-2560.160.2	2	2560	1500	160
B12-2560.225.2	2	2560	1500	225
B12-2560.350.2	2	2560	1500	350
B12-3060.160.2	2	3060	1500	160
B12-3060.225.2	2	3060	1500	225
B12-3060.350.2	2	3060	1500	350
B12-5160.225.2	2	5160	1500	225
B12-2160.225.3	3	2160	1500	225
B12-2160.300.3	3	2160	1500	300
B12-2560.225.3	3	2560	1500	225
B12-2560.300.3	3	2560	1500	300
B12-3060.225.3	3	3060	1500	225
B12-3060.300.3	3	3060	1500	300
B12-4060.300.3	3	4060	1500	300

Figures refer to machine steel sheets with tensile strength of 450 N/mm².
Other sizes on request. Changes and errors excepted.

Weinbrenner Maschinenbau GmbH
Schwarzwaldstr. 1 • D- 71263 Weil der Stadt
Tel.: +49 (0) 70 33 / 53 83-0 Fax: +49 (0) 70 33 / 53 83-23
E-Mail: info@weinbrenner-maschinenbau.de

www.weinbrenner-maschinenbau.de