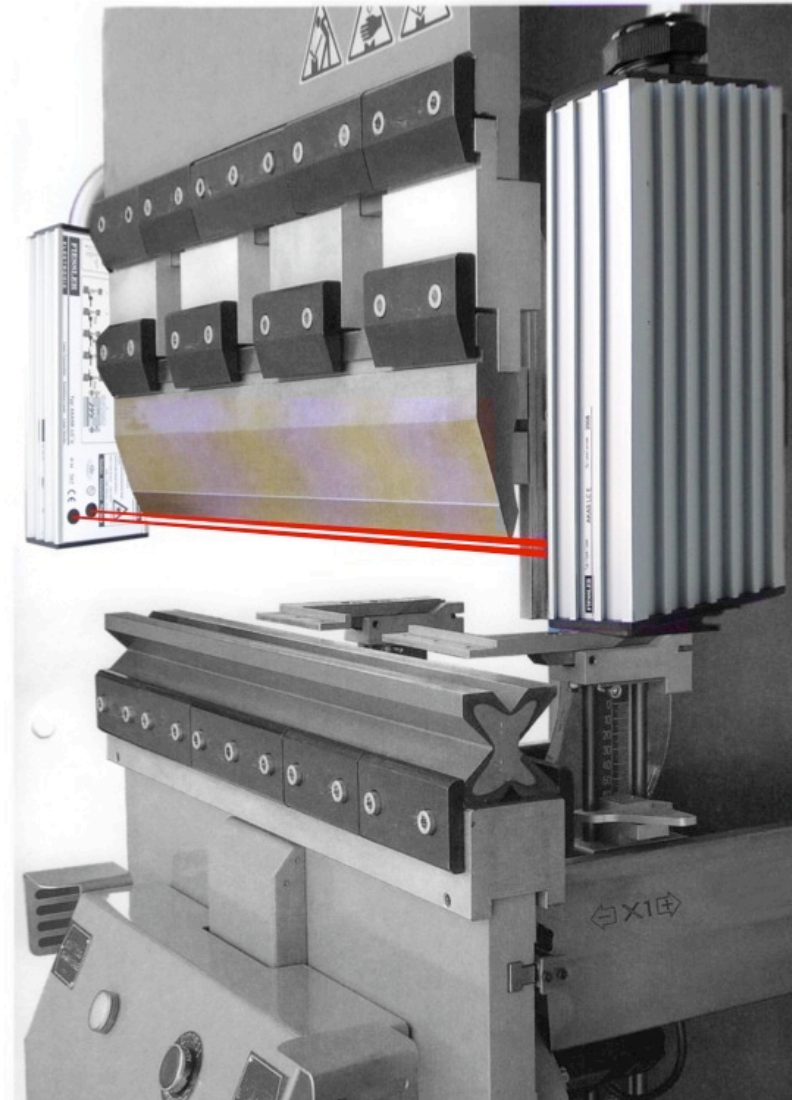


Press brake safety for small, compact press brakes **AKAS®-LC-II-F-V**



For Press Brakes with max. 1,3m bending tool width

Integrated Safety PLC

Safety category 4 according to EN 61596 and EN 12622

Simple Operation

Open Profile- and Box Bending modes

High Productivity due to very short Response Times

Connection via plug connectors

Typ 4
EN 61496



The **AKAS®-LC-II-F-V** system was especially designed for the safeguarding of small press brakes with narrow bending tool widths. The **AKAS®-LC-II-F-V** provides the operator with simple and productive operation for bending of open profiles as well as box-shaped parts.

At the same time, the operator is protected from squeezing of a member between the punching tool and the inserted material (or the matrix) by the synchronous moving 3-dimensional Laser protective field.

No matter if open (flat) profiles or box-shaped profiles have to be bent, the closing of the press is possible without any intermediate stop. This has a positive effect on the productivity of the press brake.

AKAS®-LC-II-F-V - the safety solution for small Press brakes!

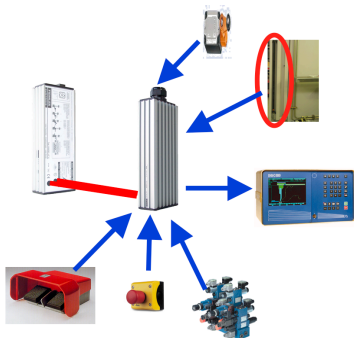
AKAS®-LC-II-F-V offers you the following considerable advantages:

Maximum Safety

- is provided by the **3-dimensional Laser protective field** beneath the upper tool
- by full protection during both work speed and slow speed
- Safety class 4**
IEC 61496 part 1 +part 2 i.e. prEN12622
- SIL 3** (EN 61508)
- Performance Level PL e** (ISO 13849-1)

Integrated Safety PLC

- EDM (External Device Monitoring)
- monitoring of slow speed
- monitoring of the safety foot pedal
- monitoring of the Emergency OFF circuit
- automatic overrun traverse monitoring
- monitoring of tools, material and bending parameters
- direct connection of
 - safety switches of the left and right protective doors
 - safeguarding devices of the rear of the press brake
- diagnostic tools via RS232 interface

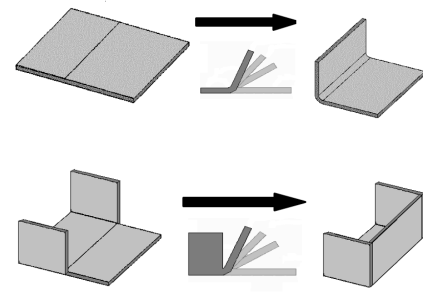


High Level of Availability

- AKAS® Systems monitor the press brake instead of controlling it
- no synchronicity failures
- no failures in measurement
- no safety related problems caused by eventual communication failures between the machine control and the safety system

Simple Operation

- Bending of open profiles
- Bending of box-shaped profiles
- no costly "Teach-In" Functions



Technical data

Maximum detection range:	1,5m
Electrical connection:	plug
Operation voltage:	24 V DC
Protection/Enclosure:	IP 54
Overrun traverse control:	integrated
Muting lamp:	built-in lamp type: long life
Communication interface:	RS 232
Number of outputs:	6
Number of inputs:	11
Safety outputs:	2 x OSSD fail-safe PNP outputs max 0,5A cat. IV 2 x PNP outputs max 0,5A cat. III