![KNUTH MACHINE TOOLS logo]

Press Brakes
AHK M 1230 NC incl. AKAS – LC II M

SKU : 423571

The AHK M series was developed as a modern, inexpensive NC alternative to CNC press brakes. Many operators are familiar working without CNC programming, and this model series combines proven technology with modern safety standards. The back gauge in the X- and R-axes and the depth gauge in the cylinders can be positioned directly using the touchscreen, or bending sequences can be stored in the NC control for automatic operation. The series is convincing in the production of workpieces with recurring materials and contours.

- Stress-relieved welded steel construction
- Top beam with torsion shaft
- NC control with touch-screen HMI
- Back gauge with X and R axes
- European-style male die

TECHNICAL SPECS

WORKING AREA

Pressure force	30 t
Brake length	1250 mm
Distance between columns	1010 mm
Throat	255 mm
Stroke	150 mm
Clear opening	265 mm
Table width	130 mm

TRAVELS

Travel in X-axis	500 mm
Travel in R-axis	140 mm

FEED

Bending speed	10 mm/s
Rapid feed	120 mm/s
Return speed	70 mm/s

DRIVE CAPACITY

Motor rating main drive	3 kW
Motor rating X-axis	0.55 kW
Motor rating R-axis	0.25 kW

MEASURES AND WEIGHTS

Hydraulic tank volume	90 l
Overall dimensions (length x width x height)	1.76 m x 1.38 m x 2.14 m
Weight	1700 kg

PRODUCT DETAILS

Machine Frame and Male Die
- The machine frame is made of a high-precision, stress-relieved steel weldment and features a rigid bending bar and hydraulic cylinders on both sides
- A large throat and narrow table ensure plenty of free space to accommodate complex bending sequences

Hydraulics
- The hydraulic unit with reservoir is placed in the top part of the machine frame to save space and add to the rigidity of the construction
- Precise upper beam positioning is ensured by a torsion shaft that connects the depth stops of both cylinders

Front Support Arms
- Each support arm can be adjusted in height and is extremely sturdy
- A stop ridge on the supporting surface helps with workpiece alignment

Bending Tools
- Promecam tool mounts to accommodate an extensive selection of bending tools
- Manual quick-action clamping system for tool mount shortens tool changing times
- With 4 bending dies the die can handle a wide spectrum of workpieces

Safety and Productivity
- Safety features are based on the latest CE regulations
- Light curtains around the work area provide reliable protection

Control
- All functions are input and retrieved directly at the touchscreen
- In manual mode, all axes can be positioned via motorized motion and the set values are shown on the display
- In semi-automatic mode, the values entered by the user are directly selected
- In auto. mode, the programmed bending sequence is positioned automatically
- Each storage area holds 500 data sets, and programs can be stored externally and re-imported
- The axis position is maintained when the display is turned off
- In addition to a USB port, the machine also features a network port at the control panel

Back Gauge
- The excellent stability of the NC-controlled back gauge is an important factor for achieving excellent machining precision
- Linear guides and large preloaded ball screws are low maintenance and extremely sturdy
- The motorized R-axis simplifies the precise stop-height set-up
- Lateral positioning of back gauge fingers on dual, smooth-running linear guides

Standard Equipment
- Weintek 7'' NC control
- Motorized back gauge on X-axis
- Motorized back gauge on R-axis
- European style female die 4V
- European style male die H = 67 mm (segmented)
- Laser optical safety system
- AKAS-LCII M
- Front support arms (2 ea)
- Foot pedal with emergency stop switch
- Operation manual

KNUTH on YouTube
Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!