

Sheet Metal Press Brakes

AHK V 30135 CNC



SKU : 182651

The AHK V CNC series models fulfill the most demanding requirements for modern press brakes according to European standards. These models were developed with advanced design technology and built on modern production lines resulting in superior quality, precision and reliability. All AHK V CNC series models feature a DELEM graphical touchscreen. Provides efficient CNC programming tools and control over the entire bending process. Various back gauge options are available so these press brakes easily can be adapted for a wide spectrum of requirements.

- Superior machining quality
- Premium hydraulic and electronic components
- Modern DELEM graphical touchscreen
- Laser optical safety system at the tool
- Time-saving detailing solutions

TECHNICAL SPECS

WORKING AREA

| | |
|--------------------------|---------|
| Pressure force | 148.5 t |
| Brake length | 122 in |
| Distance between columns | 102 in |
| Throat depth | 16 in |
| Stroke | 10.4 in |
| Clear opening | 18.9 in |
| Table width | 4 in |
| Table height | 35 in |

MEASURES AND WEIGHTS

| | |
|--|--------------------------|
| Hydraulic tank volume | 60.72 gal |
| Overall dimensions (length x width x height) | 160 in x 101 in x 109 in |
| Weight | 19800 lbs |

TRAVELS

| | |
|------------------|-------|
| Travel in X-axis | 30 in |
|------------------|-------|

FEED

| | |
|-------------------|-----------|
| Bending speed | 0.39 in/s |
| Rapid feed | 6 in/s |
| Return speed | 5.12 in/s |
| Feed speed X-axis | 23.6 in/s |

DRIVE CAPACITY

| | |
|-------------------------|---------|
| Motor rating main drive | 20.1 Hp |
|-------------------------|---------|



The compact DA-53T is a highly advanced touchscreen control solution for synchronized press brakes. The Delem touchscreen graphic user interface makes programming very easy.



The rigid front support arms feature a ratchet mechanism for quick height adjustments



Motorized crowning included in standard equipment (optional for AHK V 13040)



Option: Back gauge with controlled R axis



European tool mount

PRODUCT DETAILS

Machine frame

- A steel frame made from certified raw material combined with a modern design, vast experience and extensive production know-how result in above average rigidity and accuracy
- All mounting surfaces of the carefully welded and strain-free steel construction are machined on modern high-end CNC machining centers
- All components subject to tensile loads have been carefully constructed and designed with large radii to eliminate the risk of welding cracks
- The large top beam is prestressable, and therefore optimized for lowest possible deformation
- The measuring system holder features a smart design and compensates for deformations at maximum loads to ensure constant reliable precision
- Guideways, piston bearings and seals are designed for optimum vertical load absorption ensuring long tool life

Work Area

- A large throat, long stroke, and narrow table ensure plenty of free space to accommodate complex bending sequences

Crowning

- The motorized lower crowning ensures precise bending results across the entire bending length when machining thicker sheet metals

Hydraulic system

- Hydraulic cylinders are custom designed for this machine's requirement and are manufactured and honed in-house
- Hydraulic pistons also are manufactured in-house from forged steel, then hardened, ground, and chrome-plated
- Hydraulic blocks and valves from renowned manufacturers ensure lasting reliability
- Safety valves prevent damages to the system in case of overload conditions

Back Gauge

- The back gauge features a very robust design and is low maintenance
- The back gauge fingers can be quickly adjusted with a safety tool via direct access from the machine front

Front Support Arms

- Rigid support arms travel smoothly in a linear guideway and can be clamped at the desired position
- Gear racks allow quick vertical positioning of support arms
- Robust industrial brushes simplify the handling of metal sheets and protect their surfaces

Bending Tools

- Promecam (European) tool mounts accommodate an extensive selection of bending tools
- All tools are hardened and ground, and allow precise setup

Safety and Productivity

- The AKAS laser safety system monitors safety at the tool without affecting its functionality
- Safety Policy based on the latest CE standards
- A light curtain at the rear of the machine and robust safety guards at the sides secure the work area

STANDARD EQUIPMENT

Delem 53 T 2D touch control
X axis back gauge with linear guide and preloaded ball screw
motorized crowning
quick-action clamping male die
AKAS Laser optical safety system
light barrier

European tool mount
european type male die (33.7" segmented)
EUROPEAN TYPE female die 4V H: 2.4x2.4"
foot pedal with emergency stop switch
2 Front support arms / shiftable
2 height-adjustable Back-gauge fingers
ECO Mode energy saving function
Operator instructions

OPTIONAL EQUIPMENT

- Back gauge system for X and R axes, SKU : 254223
- X axis back gauge extension, SKU : 254226
- Additional back gauge fingers (qty), SKU : 254227
- Additional support arm (qty), SKU : 254228
- Air conditioning for electric control cabinet, SKU : 254229
- Additional charge for Delem DA58 2D TX (4 axes), SKU : 254230
- Additional charge for Delem DA66T 3D (7 axes), SKU : 254231
- Additional charge for Delem DA69T 3D (7 axes), SKU : 254232
- Knuth PressMax DRM EcoPower for 135 tons, SKU : 254219
- X , R , Z1, Z2 axis back gauge, SKU : 254224
- Upgrade for male die from H=2.66" to H= 4.13" for 122", SKU : 254234