NC Press Brake

AHK M NC

Compact bending solution with motorized R-axis

See this machine in action on YouTube

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 concept based on the latest CE standards
- Light curtains around the work area provide reliable protection

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 backgauge X-axis, motorized backgauge R-axis, Upper tool H European style H = 2.6" (segmented), european type bottom tool 4V, Front support arms (2 ea), light curtain, foot pedal with E-stop button, operator instructions

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

Options	Part No.
• Motorized crowning for AHK M NC	253726
• extended backgauge for X-axis (1540 NC / 2160 NC)	253659
• additional backgauge finger (pc) (1540 NC / 2160 NC)	253660

Specifications AHK M		1230 NC	1540 NC	2160 NC
Working Area				
Pressure force	t	33	44	66
Brake length	in	49	61	83
Distance between columns	in	40	50	67
Throat	in	10	13	13
Stroke	in	5.9	6.3	6.3
Travels				
Travel in X-axis	in	20	24	24
Feed				
Bending speed	in/s	0.39	0.39	0.39
Rapid feed	in/s	3	4	4
Drive Capacity				
Motor rating main drive	Hp	4	7.4	10.1
Motor rating X-axis	Hp	0.7	1	1
Motor rating R-axis	Hp	0.3	0.3	0.3
Measures and Weights				
Overall dimensions (length x width x height)	in	70x55x85	67x63x88	93x63x88
Weight	lbs	3,740	7,590	9,548
Part No.		182640	182641	182642