

# Hydraulic press brake type APHS HYBRID

Best  
Quality



**APHS HYBRID** is an ECO-friendly press brake, with up to 60% energy savings and low maintenance costs. User-friendly and modular with a variety of possible configurations, capable of meeting any production need. Benefits of this technology include substantial power saving as you don't have a conventional AC motor running all or most the time. The servos only activate as required. High productivity due to reduced cycle times and higher process reliability.

You also get incredibly fast response time and minimal piping as it does away with a central tank and proportional valves. You can expect higher speeds for both high-speed approach and high-speed return, around 200 mm/sec. Hybrid press brakes use hydraulics in small tanks to assist with bending process and servo motors to control the flow to the cylinders. The Hydraulic system are directly connected to two small oil tanks. The advantage is that the cnc press brake is more precise and is not affected by temperature variation, as opposed to traditional machines.

## Features for APHS HYBRID:

- Reduced cycle time by 30% or more.
- Up to a 60% energy savings while in standby.
- Higher productivity - 100t conventional=110 mm/sec. / 100t Hybrid=200 mm/sec.
- Motorised Guard System, easy-openable door with remote control.
- Integrated front and rear safe guarding.
- The pump motor is active only when the machine is working, reducing electrical consumption and heat.
- Prepared for Industry 4.0
- With 63 dB sound level means 13% less noise during operation.
- Movable and adjustable support arms.
- Servo driven (Fast) and CNC controlled (Stable) multiple backgauge configurations from 2 to 6 axis.
- Ergonomic and user-friendly control system.

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## Standard equipment:

- ESA S675 21" 2D control
- X R backgauge
- Motorised crowning system
- Promecam clamping
- 2 pcs. flat backgauge fingers
- 2 pcs. front arms with brushes
- Adjustable CNC control unit arm
- Hybrid technology from HAWE
  - Foot pedal
- Door with remove control

X-axis 750 mm / precision = 0,03 / speed 350 mm/sec.

R-axis 160 mm / precision = 0,05 / speed. 240 mm/sec.

## Optional equipment:

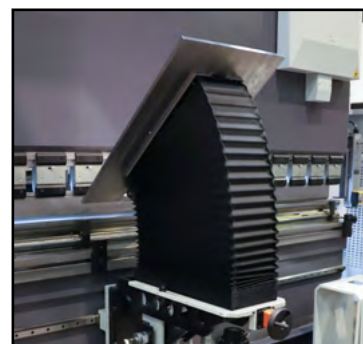
- Delem DA 66T/69T or ESA S675 21" 3D touch
- X-R-Z1-Z2 - X=750 mm R=160 mm
- X+R+Z1+Z2+X5 - X=750 mm R=160 mm
- X1-R1-Z1 & X2-R2-Z2 - tower type - X=750 mm R=160 mm
  - X=1000 mm X, R
  - X=1000 mm X, R, Z1, Z2
- AKAS safety guard
- Tools and dies
- WILA clamping system
- Hydraulic Power Package
  - Extra front arms
- Front sheet following arms, capacity each 125 kg or 400 kg
- Angle measurement
- Manual or automatic lubrication
- Hydraulic piston thickness measurement with sensor
  - Robot interface
- Motorised rear safety system



Promecam and standard tools



Door with remote control



Front sheet following arms

Type	Capacity	Working length	Stroke	Daylight opening	Gap	Oil tank	Speed	Rapid traverse	Motor
APHS HYBRID	Ton	mm	mm	mm	mm	L x 2	mm/s	mm/s	kW
31120	120	3100	260	540	410	34,5	10	200	2 x 6
31160	160	3100	260	540	410	55	10	200	2 x 9,2
31200	200	3100	260	530	410	55	10	200	2 x 9,2
31240	240	3100	260	530	410	55	8/10*	160/200*	2 x 9,2
31300	300	3100	320	660	500	55	7/10*	140/200*	2 x 9,2
41160	160	4100	260	530	410	55	10	200	2 x 9,2
41200	200	4100	260	530	410	55	10	200	2 x 9,2
41240	200	4100	260	530	410	55	8/10*	160/200*	2 x 9,2
41300	300	4100	320	635	500	55	7/10*	140/200*	2 x 9,2

\*Higher speeds are available with H+Package