

Hydraulic Plate Bending Machine. [4 Roll type](#)
Brand: AKYAPAK, Model: AHS 30/20-25, 3100x20-25mm
Made in Turkey (brand new)

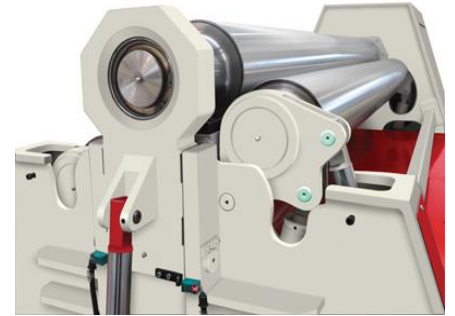
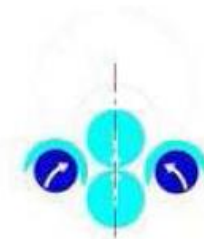
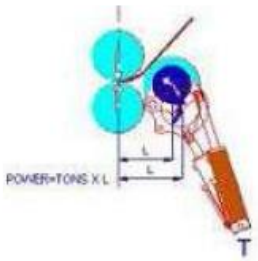


Technical Specifications: AH 30/16-20

- Working Length: 3,100 mm
- Maximum Thickness: 25 mm (\varnothing min=Top roll \varnothing x 3)
- Pre-bending: 20 mm (\varnothing min = Top roll \varnothing x 3)
- Top Roll \varnothing : 390 mm
- Bottom Roll \varnothing : 360 mm
- Side Rollers \varnothing : 300 mm
- Motor Power: 18.5 KW
- Length: 5,740 mm
- Height: 1,983 mm
- Width: 2,100 mm
- Weight: 17,540 kg

Data based upon steel 240 N/mm² yield point.

For cone bending, all bending values must be reduced to 50%.



***** SINCE THE SWING GUIDES ARE DESIGNED ACCORDING TO THE LEVEL-ARM PRINCIPLE, THE MACHINE PROVIDES MORE POWER TO BEND THE MATERIAL AND BY THE HELP OF THIS POWER, PREBENDING GETS PERFECT AND THE STRAIGHT AREA IS DECREASED TO MINIMUM LEVEL.**

STANDARD EQUIPMENT

- **Induction Hardened Rolls**

(Rolls surfaces are hardened with the method of Induction Hardening.)



Induction Hardened Rolls

- **Cone Bending Device**

(Cone rolling processes are done on machines via the guidance and involvement of cone rolling device.)

Plates can be rolled into tight conical diameters by virtue of the special body and the drop end cover design. Cone rolling operations are one of the most difficult rolling jobs to be done on a set of plate bending rolls. In accordance with this current reality, operators controlling rolling jobs should be experienced enough.

Conical and parallel positioning of rolls can be controlled from control panels. Attention: Capacities of plate bending rolls are reduced down to levels depending on cone angle)



- **Digital Display**

(Digital displays show positioning of side rolls and highest positions of side rolls can be limited from those control panels. So that side rolls do not go up to the maximum available positions.)



Digital Display

- **Two Speed Control**



Two Speed Control

(There are two different rolling speeds as slow and fast speeds.

Those speeds can be adjusted from control panels.

Slow speed is especially used to do pre-bending more proper to give better results.)

- Machine body is steel construction. (ST 52)
- All rollers mounted in bearing.
- Cover controlled from control panel in order to release easily bended metal sheet and lifted upper rolls.
- Movement and parallelism adjustment of the rollers controlled from the control panel. (Ergonomic designed control panel which allows to control all the functions of the machine is independent from the machine.)
- Central rolls are driven with hydraulic motor and reducer.
- Electrical and hydraulic protection against overloads.
- Hydraulic installation Bosch, Parker.
- Electrical installation Siemens, Telemecanique.
- Suitable for "CE".

Made in Turkey (brand new) including all Standard Accessories

● STANDARD EQUIPMENTS

1-Cone Rolling Device :

Cone rolling processes are done on machines via the guidance and involvement of cone rolling device. Plates can be rolled into tight conical diameters by virtue of the special body and the drop end cover design. Cone rolling operations are one of the most difficult rolling jobs to be done on a set of plate bending rolls. In accordance with this current reality, operators controlling rolling jobs should be experienced enough.

Conical and parallel positioning of rolls can be controlled from control panels.

Attention: Capacities of plate bending rolls are reduced down to levels depending on cone angle.



2-Digital Display

Digital displays show positioning of side rolls and highest positions of side rolls can be limited from those control panels. So that side rolls do not go up to the maximum available positions.



3-Hardened Rolls

Rolls surfaces are hardened with the method of Induction Hardening between the hardening ranges of 45 – 60 HRC. After hardening implementations are over, rolls get polished with a special treatment again.

4-Two speeds

There are two different rolling speeds as slow and fast speeds. Those speeds can be adjusted from control panels. Slow speed is especially used to do pre-bending more proper to give better results.