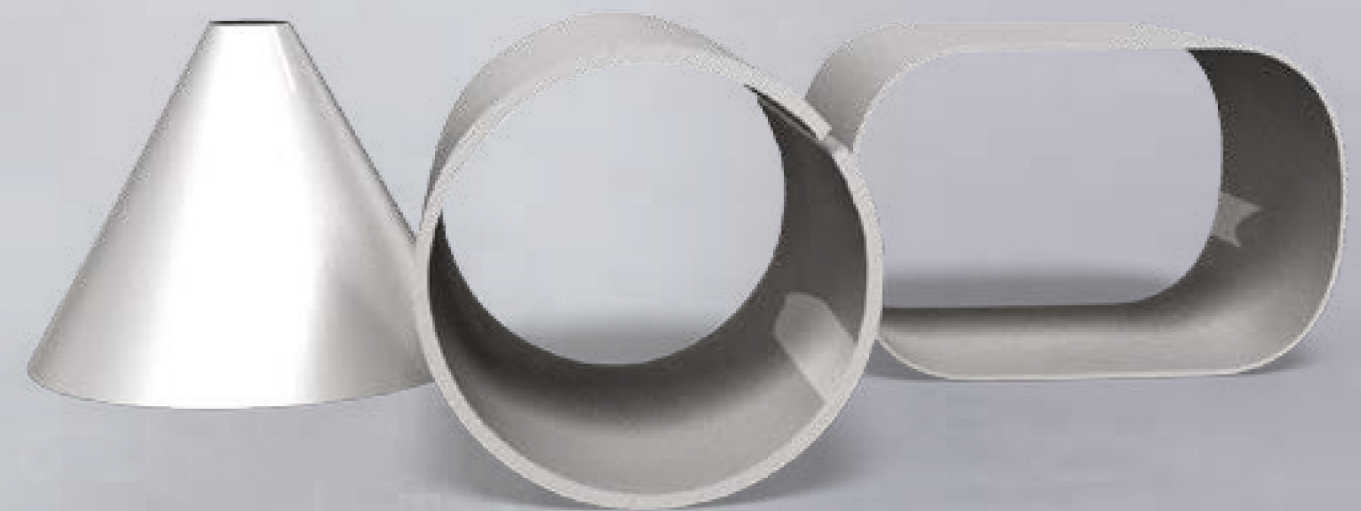


› Plate Rolls

High Power for Heavy-Duty Works





» **AHS**
30 - 150

Akyapak manufactures 4 rolls hydraulic plate bending machines with capacity in thickness from 14 ga. to 8" and in width from 20" to 40ft.

Frames of our machines are made of welded steel (St-52). Roll shafts and bearings are of high quality and robust in terms of bending moment. The upper and lower rolls are independently driven by hydraulic motor and planetary gearbox on 4 Rolls Plate Bending Machines. Side rolls are idler.

Since the swing guides are designed according to the lever arm principle, the machine provides more power to bend the material, pre-bending becomes perfect and flat ends decrease to minimum level.



Drop end opens and then top roll tilts up sequentially to remove the finished part easily.

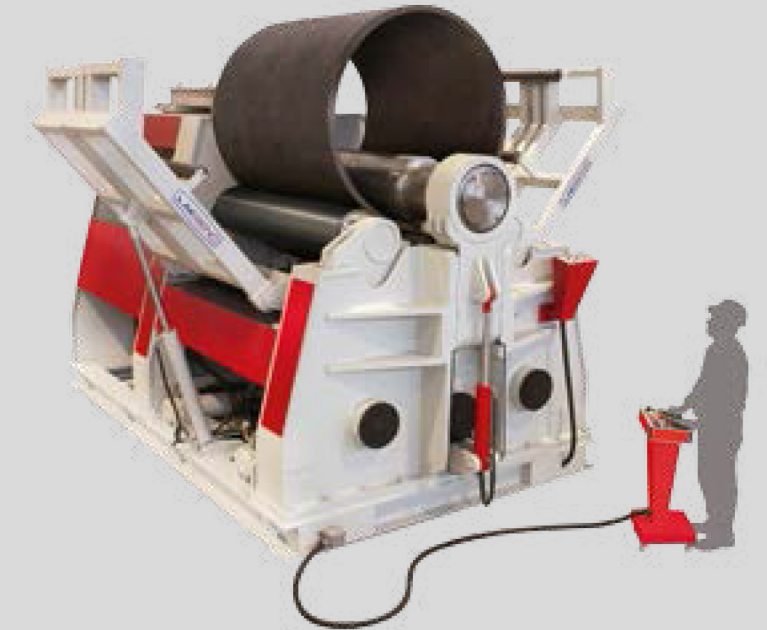


Akyapak manufactures 4 rolls hydraulic plate bending machines with capacity in thickness from 14 ga. to 8" and in width from 20" to 40ft.

Frames of our machines are made of welded steel (St-52). Roll shafts and bearings are of high quality and robust in terms of bending momentum. AHS models are manufacturing with NC and CNC options.



> **AHS**
30 - 80



> **AHS**
30 - 60



AHS Conic Bending



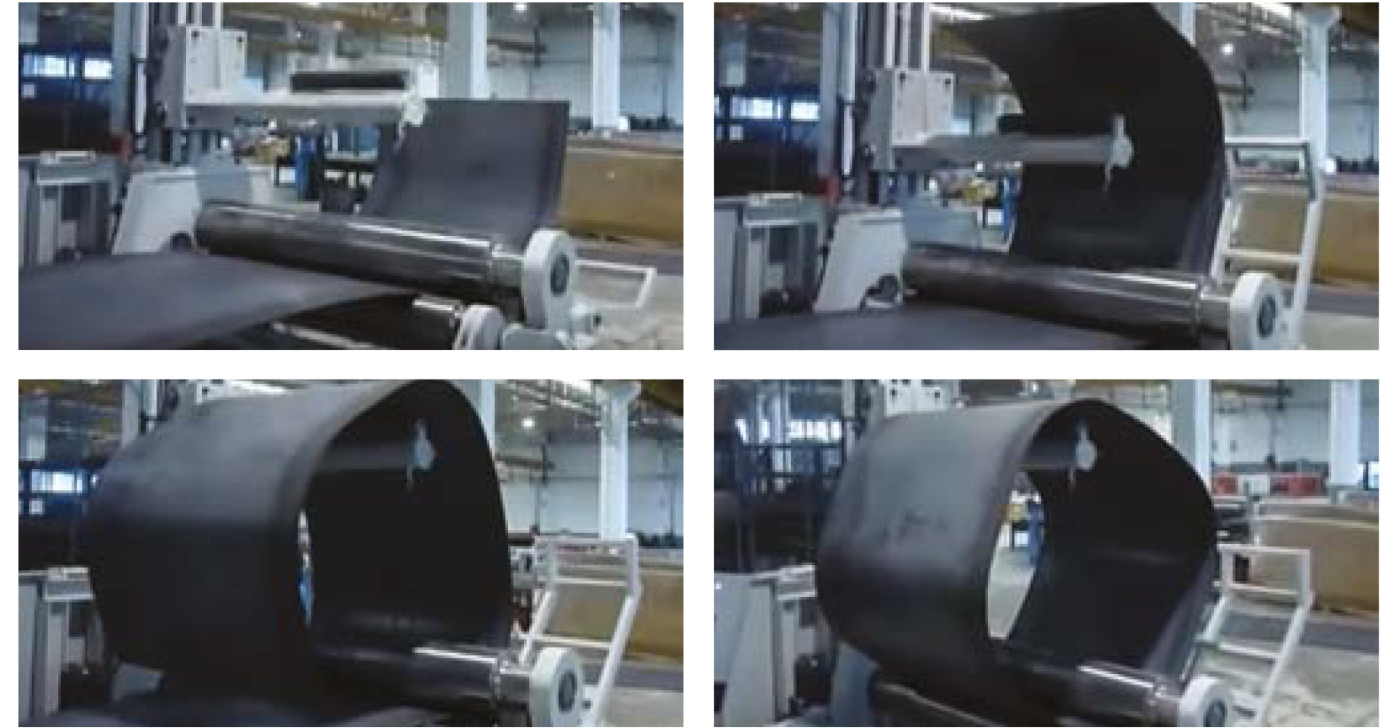
Material Feeding Table (Manual)

» Standard Features

- Cone Bending Device
- Induction Hardened Rolls
- Digital Display for both Side Rolls
- Fully welded steel (St-52) frame
- Independent moving control panel
- Two bending speeds
- All rolls are mounted in spherical roller bearing
- Drop end opened and closed hydraulically and controlled from control panel. When the drop end is opened, upper roll tilts up automatically.
- Cone opening and closing controlled on control panel.
- Central rolls -upper and lower rolls- driven by hydraulic motor and planetary gearbox
- Electro - Hydraulic Calibration
- Certified by CE, ISO9001 - 2008, TSEK and TURQUM

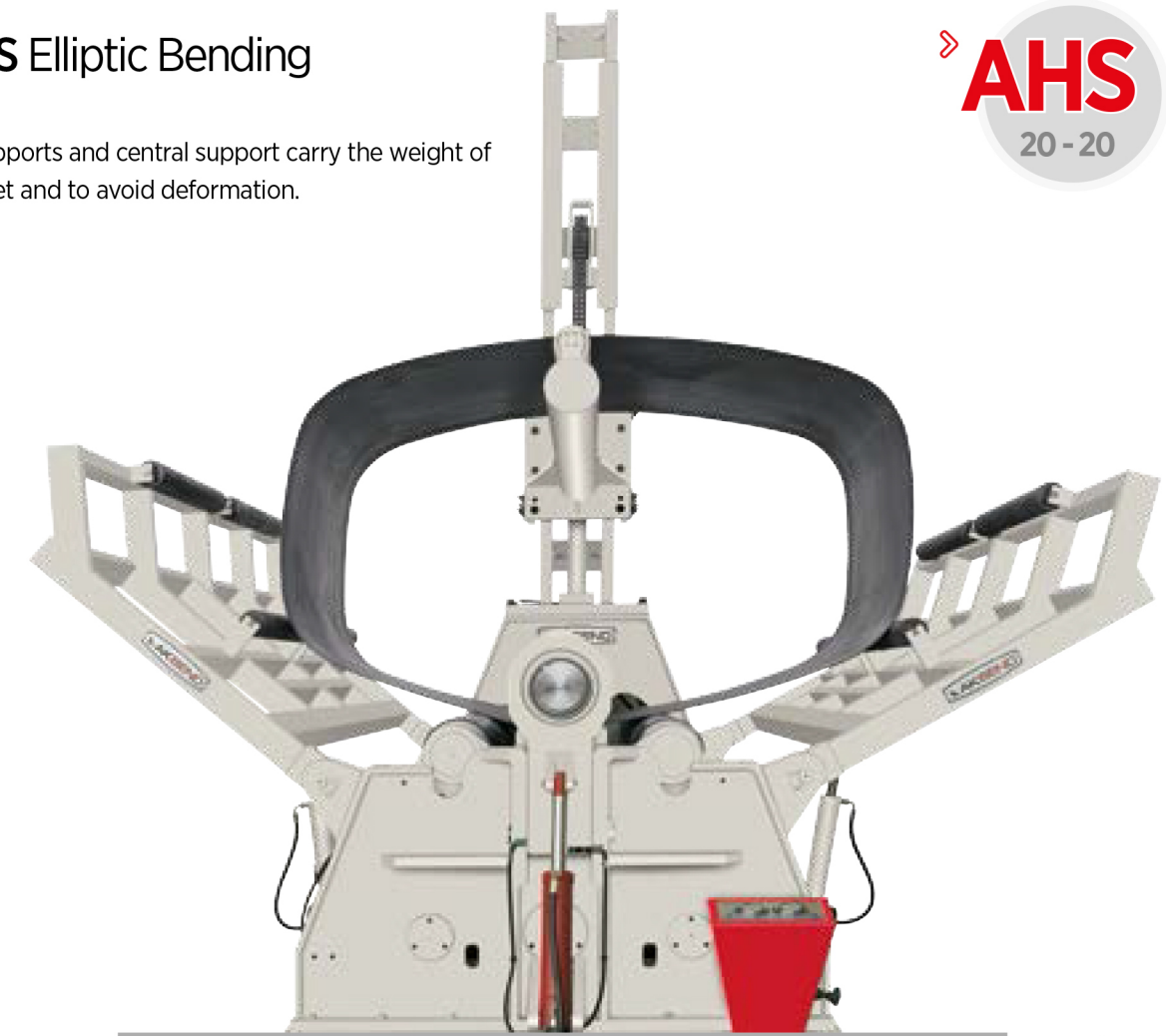
» Optional Features

- Infinitely variable speed of rotation
- Side and Central supports for big sheet metal diameters
- Material feeding table with various features
- CNC graphic control system
- NC playback control system
- Interchangeable top roll for tighter diameters
- Oil cooling system
- Motors in variable voltage and frequency.
- CNC
- NC



» AHS Elliptic Bending

Side supports and central support carry the weight of the sheet and to avoid deformation.



AHS

TECHNICAL SPECIFICATIONS

MODEL	Working Length feet	Max.Thickness inch	Pre-Bending Thickness inch	Top Roll Dia. inch	Bottom Roll Dia. inch	Side Roll Dia. inch	Motor Power HP	Length feet	Height feet	Width feet	Weight lbs	Min. Bending Diameter (Top roll diameter = TRD)	
AHS 15/04	5	1/4	8 ga.	5.5	5.5	4.7	3	12.1	4.2	4.3	4.409	TRD x 3	
AHS 15/05	5	9/32	6 ga.	6.3	5.5	4.7	3	12.0	3.4	3.7	4.630		
AHS 15/08	5	3/8	5/16	7.5	6.7	5.9	4	12.0	3.4	3.7	4.453		
AHS 20/02	6	8 ga.	14 ga.	5.5	5.5	4.7	3	13.1	3.4	3.7	4.938	TRD x 3	
AHS 20/04	6	1/4	8 ga.	6.3	5.5	4.7	3	13.6	3.4	3.7	5.181		
AHS 20/06	6	5/16	1/4	7.5	6.7	5.9	4	13.3	4.1	4.5	7.606		
AHS 20/08	6	3/8	5/16	8.3	7.5	6.7	10	13.6	4.3	4.6	9.700		
AHS 20/10	6	1/2	3/8	9.1	8.3	7.5	10	13.6	4.3	4.6	10.472		
AHS 20/13	6	5/8	1/2	10.6	9.8	8.3	15	14.8	4.7	5.0	12.897		
AHS 20/16	6	13/16	5/8	11.8	10.6	8.3	20	14.9	4.9	5.7	15.212		
AHS 20/20	6	1	13/16	13.0	11.8	9.4	20	15.0	5.3	6.0	20.106		
AHS 20/25	6	1-3/16	1	14.2	13.0	9.8	25	15.1	6.6	6.3	25.904		
AHS 20/30	6	1-9/16	1-3/16	15.4	14.2	11.8	30	16.6	7.2	7.2	37.920		
AHS 20/35	6	1-3/4	1-3/8	16.9	15.4	13.0	40	17.4	8.5	7.5	54.564		
AHS 20/40	6	2	1-9/16	18.1	16.5	14.2	50	17.9	8.5	7.5	55.116		
AHS 25/04	8	1/4	8 ga.	7.5	6.7	5.9	4	14.9	4.1	4.5	7.937	TRD x 3	
AHS 25/06	8	5/16	1/4	8.3	7.5	6.7	10	15.2	4.3	4.6	10.582		
AHS 25/08	8	3/8	5/16	9.1	8.3	7.5	10	15.2	4.3	4.6	11.773		
AHS 25/10	8	1/2	3/8	10.6	9.8	8.3	15	16.5	4.7	5.0	14.991		
AHS 25/13	8	5/8	1/2	11.8	10.6	8.3	15	16.5	4.9	5.7	17.857		
AHS 25/16	8	13/16	5/8	13.0	11.8	9.4	20	16.7	5.3	6.0	20.944		
AHS 25/20	8	1	13/16	14.2	13.0	9.8	25	16.6	5.5	6.2	26.015		
AHS 25/25	8	1-3/16	1	15.4	14.2	11.8	30	18.8	6.5	6.9	34.833		
AHS 25/30	8	1-9/16	1-3/16	16.9	15.4	13.0	40	18.2	7.2	7.2	49.163		
AHS 25/35	8	1-3/4	1-3/8	18.1	16.5	14.2	40	18.9	8.5	7.5	62.832		
AHS 25/40	8	2	1-9/16	20.1	18.1	15.4	60	19.3	9.8	7.5	67.682		
AHS 25/50	8	2-3/8	2	21.3	20.1	17.3	74	20.2	9.8	9.8	88.185		
AHS 30/04	10	1/4	8 ga.	8.3	7.5	6.7	10	17.1	4.3	4.6	11.905	TRD x 3	
AHS 30/06	10	5/16	1/4	9.1	8.3	7.5	10	17.1	4.3	4.6	12.853		
AHS 30/08	10	3/8	5/16	10.6	9.8	8.3	15	18.4	4.8	5.2	17.086		
AHS 30/10	10	1/2	3/8	11.8	10.6	8.3	15	18.4	4.9	5.9	19.401		
AHS 30/13	10	5/8	1/2	13.0	11.8	9.4	15	18.4	5.4	6.2	23.369		
AHS 30/16	10	13/16	5/8	14.2	13.0	9.8	20	18.4	5.6	6.2	26.632		
AHS 30/20	10	1	13/16	15.4	14.2	11.8	25	19.0	6.6	6.9	37.699		
AHS 30/28	10	1-3/8	1-1/8	16.9	15.4	13.0	30	20.0	7.2	7.2	49.780		
AHS 30/30	10	1-3/8	1-3/16	18.1	16.1	13.4	30	20.0	7.5	7.5	66.690		
AHS 30/32	10	1-9/16	1-1/4	18.1	16.5	14.2	40	20.7	8.5	7.5	66.756		TRD x 3
AHS 30/35	10	1-3/4	1-3/8	20.1	18.1	15.4	60	20.0	7.5	8.9	73.855		
AHS 30/40	10	2	1-9/16	21.3	20.1	17.3	74	22.0	9.8	9.8	88.185	TRD x 5	
AHS 30/60	10	3	2-3/8	24.0	21.7	18.1	101	22.1	11.4	9.8	112.877		
AHS 30/68	10	3-3/16	2-11/16	25.6	23.6	20.1	121	23.6	12.1	11.3	133.159		
AHS 30/76	10	3-9/16	3	27.6	25.6	22.0	148	23.6	12.1	11.3	157.190		
AHS 30/86	10	4	3-3/8	29.5	27.6	23.6	177	25.5	13.5	12.3	179.897		
AHS 30/97	10	4-5/16	3-13/16	31.5	29.1	24.4	215	26.1	14.3	13.0	223.108		
AHS 30/130	10	5-9/16	5-1/8	35.4	32.3	27.2	248	28.4	18.1	14.3	289.246		
AHS 30/156	10	6-3/4	6-1/8	39.4	35.8	29.5	268	30.2	17.9	16.1	355.826		
AHS 40/04	13 ft. 3"	1/4	8 ga.	10.6	9.8	8.3	10.1	21.4	4.7	5.0	19.621		TRD x 3
AHS 40/06	13 ft. 3"	5/16	1/4	11.8	10.6	8.3	10.1	21.4	4.9	5.7	21.892		
AHS 40/08	13 ft. 3"	3/8	5/16	13.0	11.8	9.4	10.1	21.6	5.3	6.0	32.893		
AHS 40/10	13 ft. 3"	1/2	3/8	14.2	13.0	9.8	14.8	21.5	5.5	6.2	35.274		
AHS 40/13	13 ft. 3"	5/8	1/2	15.4	14.2	11.8	20.1	22.1	6.5	6.9	44.313		
AHS 40/16	13 ft. 3"	13/16	5/8	16.9	15.4	13.0	24.8	23.2	7.2	7.2	53.352		
AHS 40/20	13 ft. 3"	1	13/16	18.1	16.5	14.2	29.5	23.9	8.5	7.5	75.839		
AHS 40/25	13 ft. 3"	1-3/16	1	20.1	18.1	15.4	40.2	23.9	9.0	8.2	85.098		
AHS 40/28	13 ft. 3"	1-3/8	1-1/8	21.3	20.1	17.3	49.6	25.2	9.6	9.8	106.042		
AHS 40/32	13 ft. 3"	1-9/16	1-1/4	22.8	21.3	18.1	60.3	25.2	9.6	9.8	113.318		
AHS 40/40	13 ft. 3"	2	1-9/16	24.8	23.6	21.7	60.3	25.4	11.5	9.8	141.537		
AHS 50/08	16 ft. 6"	3/8	5/16	14.2	13.0	9.8	14.8	22.1	5.5	6.2	49.604	TRD x 3	
AHS 50/10	16 ft. 6"	1/2	3/8	15.4	14.2	11.8	14.8	25.4	6.5	6.9	50.045		
AHS 50/13	16 ft. 6"	5/8	1/2	16.9	15.4	13.0	20.1	26.4	7.2	7.2	65.036		
AHS 50/16	16 ft. 6"	13/16	5/8	18.1	16.5	14.2	24.8	27.1	8.5	7.5	86.421		
AHS 50/20	16 ft. 6"	1	13/16	20.1	18.1	15.4	40.2	27.1	8.5	7.5	95.901		
AHS 50/25	16 ft. 6"	1-3/16	1	22.0	20.5	17.3	49.6	28.4	9.6	9.8	118.609		
AHS 50/36	16 ft. 6"	1-3/4	1-7/16	24.8	23.6	20.5	60.3	28.7	11.5	9.8	159.174		
AHS 50/45	16 ft. 6"	2-3/16	1-3/4	28.3	26.8	23.6	73.8	29.4	12.1	11.3	197.755		
AHS 60/06	20	5/16	1/4	14.2	13.0	9.8	14.8	28.1	5.5	6.2	47.620		TRD x 3
AHS 60/08	20	3/8	5/16	15.4	14.2	11.8	14.8	27.1	6.5	6.9	55.667		
AHS 60/10	20	1/2	3/8	16.9	15.4	13.0	20.1	29.7	7.2	7.2	72.753		
AHS 60/13	20	5/8	1/2	18.1	16.5	14.2	24.8	30.4	8.5	7.5	95.901		
AHS 60/16	20	13/16	5/8	20.1	18.1	15.4	40.2	30.4	8.5	7.5	106.924		
AHS 60/20	20	1	13/16	22.0	20.5	17.3	49.6	31.7	9.6	9.8	132.939		
AHS 60/28	20	1-9/16	1-1/8	25.6	24.0	20.5	73.8	32.0	9.6	9.8	163.583		
AHS 60/36	20	2	1-7/16	29.5	27.6	22.8	100.6	32.0	11.5	9.8	216.000		
AHS 30/32	10	1-9/16	1-1/4	18.1	16.5	14.2	40	20.7	8.5	7.5	66.756	TRD x 5	
AHS 30/35	10	1-3/4	1-3/8	20.1	18.1	15.4	60	20.0	7.5	8.9	73.855		
AHS 30/40	10	2	1-9/16	21.3	20.1	17.3	74	22.0	9.8	9.8	88.185	TRD x 5	
AHS 30/60	10	3	2-3/8	24.0	21.7	18.1	101	22.1	11.4	9.8	112.877		
AHS 30/68	10	3-3/16	2-11/16	25.6	23.6	20.1	121	23.6	12.1	11.3	133.159		
AHS 30/76	10	3-9/16	3	27.6	25.6	22.0	148	23.6	12.1	11.3	157.190		
AHS 30/86	10	4	3-3/8	29.5	27.6	23.6	177	25.5	13.5	12.3	179.897		
AHS 30/97	10	4-5/16	3-13/16	31.5	29.1	24.4	215	26.1	14.3	13.0	223.108		
AHS 30/130	10	5-9/16	5-1/8	35.4	32.3	27.2	248	28.4	18.1	14.3	289.246		
AHS 30/156	10	6-3/4	6-1/8	39.4	35.8	29.5	268	30.2	17.9	16.1	355.826		
AHS 40/04	13 ft. 3"	1/4	8 ga.	10.6	9.8	8.3	10.1	21.4	4.7	5.0	19.621		TRD x 5
AHS 40/06	13 ft. 3"	5/16	1/4	11.8	10.6	8.3	10.1	21.4	4.9	5.7	21.892		
AHS 40/08	13 ft. 3"	3/8	5/16	13.0	11.8	9.4	10.1	21.6	5.3	6.0	32.893		
AHS 40/10	13 ft. 3"	1/2	3/8	14.2	13.0	9.8	14.8	21.5	5.5	6.2	35.274		
AHS 40/13	13 ft. 3"	5/8	1/2	15.4	14.2	11.8	20.1	22.1	6.5	6.9	44.313		
AHS 40/16	13 ft. 3"	13/16	5/8	16.9	15.4	13.0	24.8	23.2	7.2	7.2	53.352		
AHS 40/20	13 ft. 3"	1	13/16	18.1	16.5	14.2	29.5	23.9	8.5	7.5	75.839		
AHS 40/25	13 ft. 3"	1-3/16	1	20.1	18.1	15.4	40.2	23.9	9.0	8.2	85.098		
AHS 40/28	13 ft. 3"	1-3/8	1-1/8	21.3	20.1	17.3	49.6	25.2	9.6	9.8	106.042		
AHS 40/32	13 ft. 3"	1-9/16	1-1/4	22.8	21.3	18.1	60.3	25.2	9.6	9.8	113.318		
AHS 40/40	13 ft. 3"	2	1-9/16	24.8	23.6	21.7	60.3						

Wind Tower Solutions

With the motto of “renewable energy for a new world”, we are ready to support wind energy sector with our experience. While the capacity of generating electricity from wind energy has been growing all over the world, we have developed our plate bending machine with a capability to bend wind towers through R&D studies.

Our machines give the most accurate shape to the wind towers in order to ensure that you do not miss the wind.



Special Productions

**34.5 feet long vessel body
bent in single cycle rolling**

**AHS 10500 x 12/14
(34.5 ft x 1/2 9/16)**

CNC Four Rolls Hydraulic Plate Bending Machine



AHS

4 Rolls Vertical Plate Bending Machine

Operation position according to customer requirements.

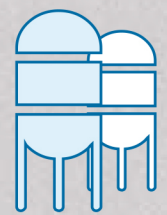
**AHS 7700x9/12
(25.26 ft. x 3/8 1/2)**

CNC Four Rolls Hydraulic Plate Bending Machine





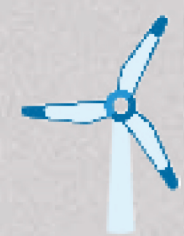
Industry Applications



SILOS



AEROSPACE



WIND TOWERS



PIPE LINES



AIRCRAFT



SHIPYARDS



ON VEHICLE EQUIPMENTS

