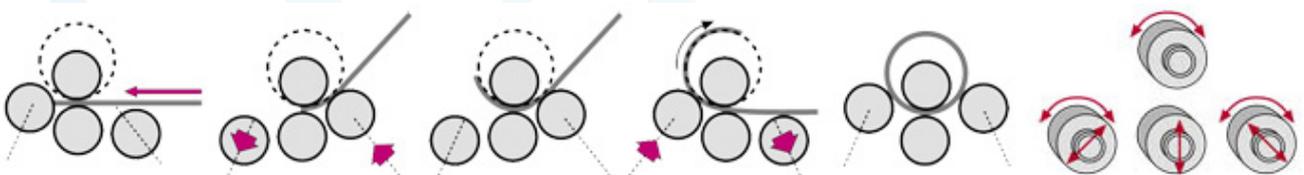




## ADVANTAGES OF FOUR-ROLLER MACHINES HRB 4

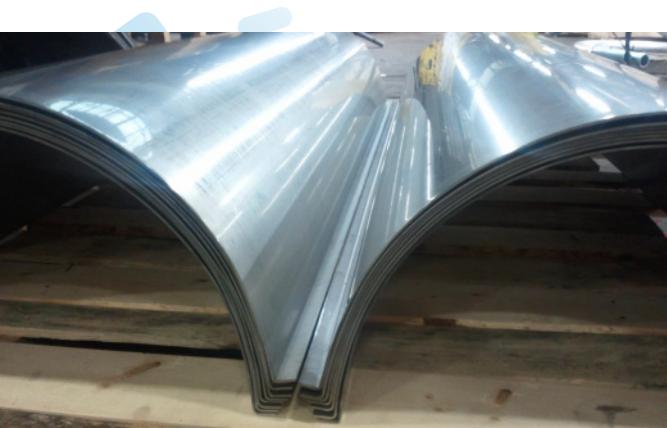
HRB4-Series machines are extremely accurate, easy to service and with high speed operation. These machines have advantages that are not available in other types of machines:

- The straight sections at the end of the sheet are minimal, unlike three-rolls machines;
- The working position of the metal sheet is always horizontal;
- Instantaneous alignment of metal sheet with the help of the side roller (Prevents misalignment between the ends of the finished product);
- The new product may be completed with a single stroke, including the pre-bending of the two ends of the metal sheet;
- The only machines that guarantee accuracy of the article: the metal sheet is always under control, because it is trapped between the upper and lower roll, while simultaneously bending;
- Opportunity for making cones;
- Fully hydraulic drive (usually the propulsion of other machines is manual or in the best case, mechanical);
- Independent hydraulic motors (usually the propulsion of other machines is through one engine, reducer and cog gears);
- Automatic compensation of the peripheral speed (other machines use low effective coupling);
- Ability to control pressure (lack of such control in other machines);
- This prevents the possibility of crushing the material.



# TECHNICAL SPECIFICATION

Type		HRB 4 2510
Number of shafts	pcs	4
Bending length (L)	mm	2550
Maximum thickness of bending		
- Pre bending	mm	8
- The bending	mm	10
Diameter of the upper shaft	mm	230
Diameter of the lower shaft	mm	210
Diameter of the side shafts	mm	190
Length of the machine (U)	mm	4450
Machine width (G)	mm	1400
Machine height (Y)	mm	1150
Machine weight approximately	kg	-6000
Power of the engine	kW	7.5
Height of work area (C)	mm	835
Electric Power		400V / 3 Phase / 50 Hz
Bending speed	m/min	Two-staged operational speed
Shafts, drive	4 shaft driven by planetary gearboxes coupled with hydraulic motors	
Shafts, bearings	Spherical bearings with bronze separators	
Shafts, material	High tensile carbon steel C45	
Shafts, hardening	Induction hardened 54±2 HRC	
Movement of the shaft	One bending speed, electronically synchronized	
Calibration of shafts	Manually	
Press	Accurate hydraulic pressing control system	
Control	PLC control, Mobile, exported console with control panel	
Conical bending	Manual system for conical bending	
Lubrication	Automatically	



**STRIMONA STROY**

BULGARIA, 2850  
 Petrich, 11 Trakia Str.  
 tel.: 0745 69600  
 fax: 0745 69604  
[office@strimona.net](mailto:office@strimona.net)