

MAH-RIA

Hydraulic profile benders



AMOB's MAH-RIA series of hydraulic top roll profile bending machines with adjustable bottom rolls are the next step up. The adjustable bottom rolls allow both a tight radius with reduced capacity and a large radius with increased capacity – the best of both worlds. Plus, by adjusting the position of the bottom rolls you can reduce deformation along with reduced flats, and therefore waste. These additional features remain extremely user-friendly, and we'd recommend these machines for use by both apprentices and experienced operatives alike. The top roll position is displayed on the DRO, based within the free standing operator control unit. The MAH series is perfect for those applications that require multiple passes, where repeatability is key. Available in three driven rolls, these machines can cater for the largest range of profiles in the market place - again, the three driven roll machines suit tighter radii and minimise material marking. Both horizontal and vertical working positions ensure that even in the smallest work spaces an MAH-RIA series profile bender will have its place. The MAH-RIA series is the perfect compromise between capacity, repeatability, ease of use and reduction in production cycle times.

MAH80/3 - MAH150/3

Standard specification

- Three driven rolls
- Standard rolls
- Lateral guide rolls
- Horizontal & vertical working position
- Top roll programmable digital read-out
- Digital length measurement system
- Adjustment of lower rolls
- Foot pedal with safety device

Option specification

- Special rolls for profile/tubes
- Angle bending guide rolls

MAH150/3RIA

- Top roll programmable digital read-out
- Digital lengths measuring system
- Adjustment of lower rolls
- Angle bending guide rolls

MAH80/3RIA

- Top roll programmable digital read-out
- Digital lengths measuring system
- Adjustment of lower rolls



	MAH80/3RIA <small>(all dimensions in mm)</small>	MAH120/3RIA <small>(all dimensions in mm)</small>	MAH150/3RIA <small>(all dimensions in mm)</small>
1	80x12 Ø2000	100x20 Ø2000	120x20 Ø1600
2	100x20 Ø1000	120x30 Ø1100	160x40 Ø1200
3	50x50 Ø1000	55x55 Ø1100	65x65 Ø1500
4	Ø50 Ø800	Ø55 Ø1100	Ø70 Ø1500
5	Ø100x2 Ø1800	Ø120x2,5 Ø2000	Ø150x3 Ø2600
6	Ø88,9x3,6 Ø1700	Ø114,3 x3,6 Ø1400	Ø139,7x5 Ø2600
7	100x40x6	120x60x4	140x70x5
8	80x80x4	100x100x4	100x100x6
9	60x60x6 Ø1000	70x70x10 Ø1500	80x80x12 Ø1500
10	60x60x6 Ø1000	70x70x10 Ø1500	80x80x12 Ø1500
11	80x6 Ø1000	100x10 Ø1400	120x12 Ø1400
12	80x5 Ø1200	100x10 Ø1400	120x10 Ø1400
13	80x5 Ø1000	100x10 Ø1200	120x12 Ø1600
14	UPN100 Ø1000	UPN 120 Ø1200	UPN 140 Ø1400
15	UPN 100 Ø1200	UPN 120 Ø1200	UPN140 Ø1400
16	IPN 80 Ø1200	IPN 120 Ø1100	IPN 140 Ø1500
17	-	-	HEA 100 Ø2000
18	-	-	-
19	-	-	-
20	-	-	-

Technical specifications

Section mod. <small>(cm³)</small>	25	45	60
Power	5,5kW - 7hp	7,5kW - 10hp	10kW - 13,5hp
RPM	10	7	6
Tool Ø <small>(mm)</small>	187/118	247/138	300/188
Shaft Ø <small>(mm)</small>	65/65	80/80	100/100
Weight <small>(kg)</small>	770	1480	2150
Dimensions <small>(mm)</small>	1520x1080x1650	1615x1260x1760	1900x1400x1850

- Standard rolls
- One set of rolls is required for each tube OD
- Special rolls for thin wall profiles
- Special rolls

Data achieved using special tooling, 240N/mm² yield point steel and several bending operations. All data of the machines is not binding and may be subject to change without notice. Pictures are for demonstration purpose only.

