

3-Roll Variable Geometry Bending Roll



High rolling power combined with maximum pre-bending precision: HAV is the series of 3-roll variable geometry bending rolls at the highest level of its category by performance and versatility.

HAV bending rolls designed, manufactured, and marketed by Faccin since the 70's deliver performance equivalent to that obtained with the 4-roll plate bending rolls and are therefore ideal for medium-heavy duty machining.

HAV series models feature a very fast and secure pre-bending stage; the horizontal feeding allows the use of automatic feeding tables and centering systems.

Thanks to the Variable Geometry configuration of HAV electronic plate bending rolls, the machine's 3 rolls move independently – the top roll moves vertically, the lower rolls horizontally – allowing the operator to adjust, as required, the centre distance between the lower rolls and the distance between the bending points, as is the case on a press brake with variable opening lower die.

By reducing to the minimum the centre distance between the lower rolls, the HAV series bending rolls obtain excellent traction of the sheet. In addition, by minimising the length of the straight part, they offer better quality pre-bending.

The maximum centre distance between the lower rolls instead, makes it possible to get a huge rolling capacity.

*Powerful and
Precise*



Thanks to the horizontal position of the cylinders for lower roll movement, HAV 3-roll variable axis bending rolls are equipped with a reduced height work top. No foundations are therefore required, even for bending rolls with capacity up to 40 mm.

All the HAV series 3-roll bending rolls are fitted with the EPS system for electronic synchronised control of roll parallelism within tolerances of less than 0.2 mm, guaranteed over time as they are not subject to mechanical wear or delay of hydraulic drives. The combination of top-quality components, the Hi-Tech Hydraulic of the FaccinAp and EPS system make the HAV one of the most technologically advanced plate rolls on the market. The HAV series models are the right solution to bend plates up to 300 mm thick.

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Standard equipment

- ✓ Variable geometry with 3 mobile rolls
- ✓ Linear guides for roll translation (RGS)
- ✓ Hardened and polished rolls and conical device
- ✓ Electronic balancing system (EPS)
- ✓ Special braking system for optimum pre-bending
- ✓ Faccin Advantage Package - FaccinAp
- ✓ Mobile wheel mounted control console
- ✓ Centralised lubrication system
- ✓ Siemens numerical control unit
- ✓ Emergency barrier around the machine
- ✓ CE certified machine

Optional features

- ✓ Automatic loading and unloading systems
- ✓ Motorised feeding table
- ✓ Automatic ejector
- ✓ Central and side supports
- ✓ Machine ready for hot rolling
- ✓ Integrated welding system
- ✓ Special colours



Capacity (mm)	Rolls length (mm)	Rolling mild steel (mm)	Pre-bending mild steel (mm)	Rolling stainless steel (mm)	Pre-bending stainless steel (mm)	Minimum Top roll (mm)	Dimension (m)
2500x30	2550	30	15	26	13	330	5,5x2,3x1,7
2500x45	2550	45	25	39	22	410	5,6x2,7x2,2
2500x55	2550	55	35	47	30	500	6,5x3,1x2,6
2500x85	2550	85	55	73	47	600	7,0x3,7x3,0
2500x100	2550	100	70	86	60	660	7,2x4x3,1
2500x125	2550	115	82	99	70	720	7,4x4,6x3,1
3050x28	3100	28	13	24	11	340	6,0x2,3x1,7
3050x40	3100	40	22	34	19	420	6,2x2,7x2,2
3050x52	3100	52	30	45	26	510	7,1x3,1x2,6
3050x75	3100	75	48	65	41	620	7,6x3,7x3,1
3050x90	3100	90	64	77	55	680	8,2x4,5x3,3
3050x120	3100	120	86	103	74	810	8,8x4,8x3,5
4000x22	4050	22	10	19	8.5	360	7,0x2,3x1,7
4000x30	4050	30	16	26	14	430	7,1x2,7x2,2
4000x40	4050	40	20	34	17	530	8,0x3,1x2,6
4000x50	4050	50	30	43	26	640	8,1x3,4x2,7
4000x80	4050	80	50	69	43	710	9,1x4,5x3,1
4000x93	4050	93	65	80	56	780	9,1x4,6x3,3

• Special sizes and capacities available upon request. Please send us your inquiries.

• Data can be changed without prior notice in consideration of continuing technological improvements.