



Powerful and
Precise

3 Rolls Variable Geometry Rolling Machine

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.

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 Roll** on the market. The **HAV series models** are the right solution to bend plates up to 300 mm thick.

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
- ▣ Motorized feeding table
- ▣ Automatic ejector
- ▣ Central and side supports
- ▣ Machine ready for hot rolling
- ▣ Integrated welding system
- ▣ Special colors



Model/Size	Plate mm	Rolling mm	Prebend mm	Top Roll Min. mm	Lower Rolls Min. mm	Rolling Power Hp	Weight Kg	Dimensions mt
HAV 251	2500	40	22	340	320	50	18.000	5,4x2,5x2
HAV 252	2500	55	35	410	380	75	24.000	6x2,7x2,5
HAV 253	2500	90	60	500	450	100	42.000	6,4x3x2,6
HAV 254	2500	110	75	600	540	150	75.000	6,8x3,3x2,7
HAV 255	2500	150	100	720	630	200	81.000	7,5x4x3,5
HAV 256	2500	180	120	800	700	250	106.000	8,5x5x4
HAV 311	3000	35	20	350	320	40	20.000	6x2,5x2
HAV 312	3000	45	22	420	380	60	26.000	6,5x2,7x2,5
HAV 313	3000	65	40	510	450	85	45.000	7x3x2,6
HAV 314	3000	90	60	620	540	130	78.000	7,2x3,3x2,7
HAV 315	3000	130	90	730	630	180	85.000	8x4x3,5
HAV 316	3000	150	100	810	700	220	115.000	9,2x5x4
HAV 401	4000	25	15	360	320	40	23.000	7,2x2,5x2
HAV 402	4000	35	20	430	380	60	29.000	7,8x2,7x2,5
HAV 403	4000	45	25	530	450	85	51.000	8,1x3x2,6
HAV 404	4000	70	40	640	540	130	85.000	8,5x3,3x2,7
HAV 405	4000	90	60	750	630	180	93.000	9x4x3,5
HAV 406	4000	100	70	860	700	220	125.000	10x5x4

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