



Folding Machine VH



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Cut and fold up to 12m and 3mm of thickness



Standard equipment



Fold up to 145°

With the articulations of the Stefa folding machine you get a bigger increase in the bending, who allows a more closed angle. The articulation system has been redesigned to have a perfect radius movement. The robustness of the articulations is always the same regardless of the material thickness, so a 1.5mm Folding machine model will have the same 3mm model, only change their quantity.



Trimmer

The sheet incorporated in the machine was developed to withstand any stress inflicted on the cut, regardless of the type of material, up to 3mm thick. The adjustment of the gap between the circular blades is made by a simple lever movement.

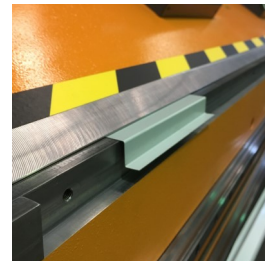


Arms in 'C'



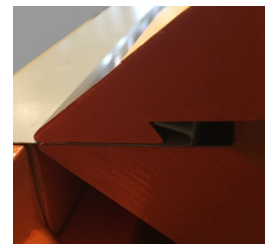
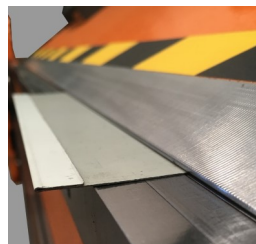
By using more arms than any other machine on the market, the pressure is best distributed across the entire length of the machine, ensuring that you get a correct bending and more consistent hemming. The folding machines are perfect for thinner materials, but it doesn't mean the Stefa folding machines are fragile: the arms are thick and, on the beams-tools are in hard material by TOOLOX. TM.

Removable tool

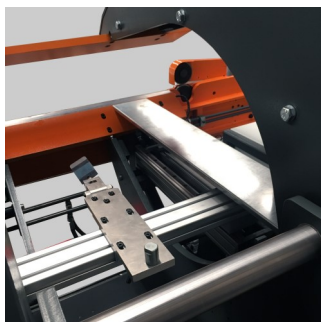


The reinforcement punches can be removed along the machine to possibly to perform counter-bends with length of 20mm.

Open and closed hem



The hemming in the material is executed almost perfectly thanks to the force of the arms against the work table. The clamping beam has special mechanical features to allow housing the material to do a more closed angle, up to 155°.



Backgauge up to 1070mm and 260mm of clamping opening

The motorized backgauge has a range between 1070 mm to 5mm. It is guided by a ball screw which ensures high accuracy. The fingers can be positioned, freely, along the machine. The clamping beam has a 260mm opening which allows easy access to rotate the folded parts.



Command - Simple Touch

The folding machine is equipped with a touch screen control where you can manage all axes. Make programs step by step and memorize them for later automatic production. There is also manual mode for testing and special functions for angle compensation, cutting and hemming.



Hydraulic radius adjustment

The clamping beam radius (thickness) is adjusted hydraulically. In this case the thickness adjustment becomes simple and fast. With an optionally sensor, the radius adjustment can be performed automatically.



Hybrid hydraulic system

The power unit of the Viradeira Stefa is designed to be flexible and consume the lowest possible energy. The system is driven by a speed inverter, which ensures accuracy on axis and efficient operation. The system can have a force of up to 200 bar: So the machine gives you the strength and precision you need in bending.

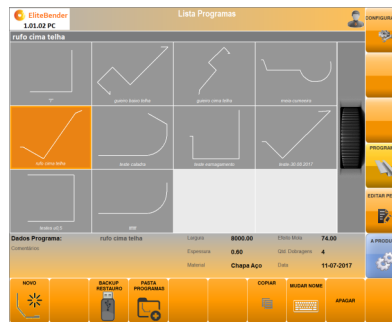
Optional equipment

Command CNC EliteBender

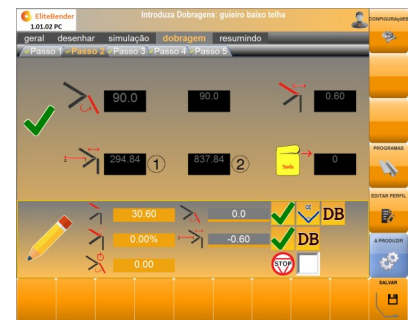
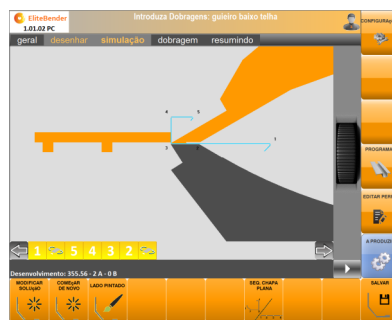
With the CNC EliteBender you are ready to raise the operating mode in a higher level. Their features enable the operator to quickly program parts, whether simple or complex. EliteBender software runs on the latest generation Windows operating system. You can connect the controller to web and have remote assistance anywhere part of the world.



1.



2.



3.

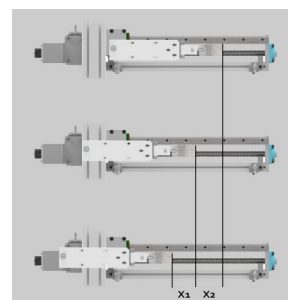
4.

1. Profile Library - Store unlimited profiles on a SSD disk, rename them or organize them by folders. 2. Draw with your finger - You can draw the profile and have a graphical view. Edit angles and measures or add special functions such as different hems or the rounded part mode. 3. With the preview of the profile to be executed, it quickly defines the best sequence and simulates the folding operation step-by-step. 4. Review and edit, if necessary, all parameters and program dimensions. Change pressures or compensation of angles. Also, you can create your databases for different materials and many another feature.



Safety Laser

Increase the speed of operation with the finger protection laser for the clamping beam and shear. With the laser installed, the clamping beam descends without requiring a safety stop.



Independent fingers and servomotor for backgauge

If you need to produce conical profiles for gutters there is the optional to add servomotors on each finger to make the conical cut. Increase the speed with high-precision servomotors.

Auxiliary Equipment

Cutting Line LCA1,5

Cut the sheet up to 1500mm of width in our cut line. Automatic production by electronic positioner and encoder. Possibility to add slitting discs for longitudinal cutting. Roller unit for pre-straightening of the sheet metal.



Manual decoiler DC6

Decoiler with welded structure with capacity up to 6 Tons of coil. This decoiler can expand manually the mandrel and regulate the speed with a brake.

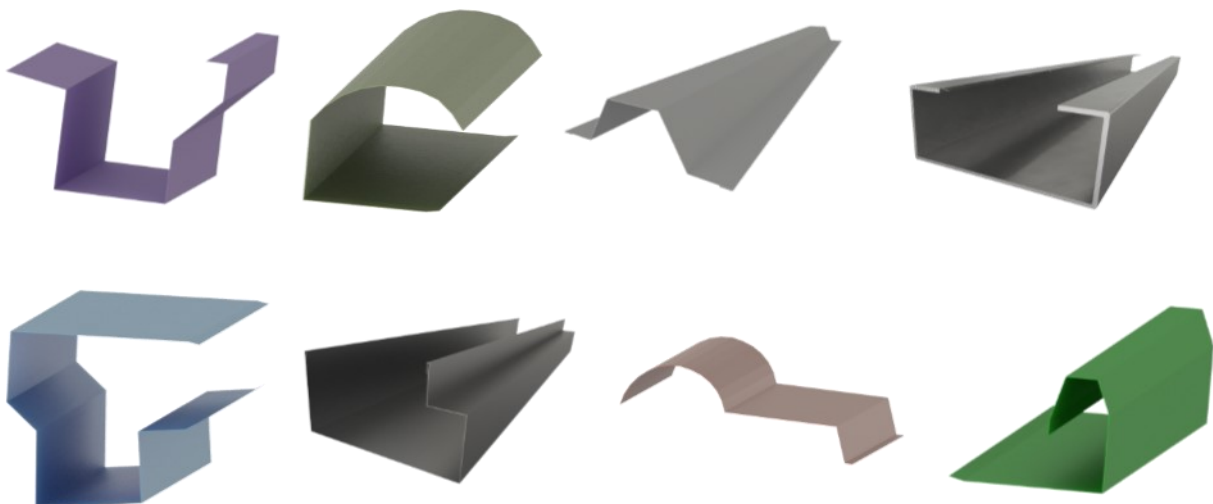
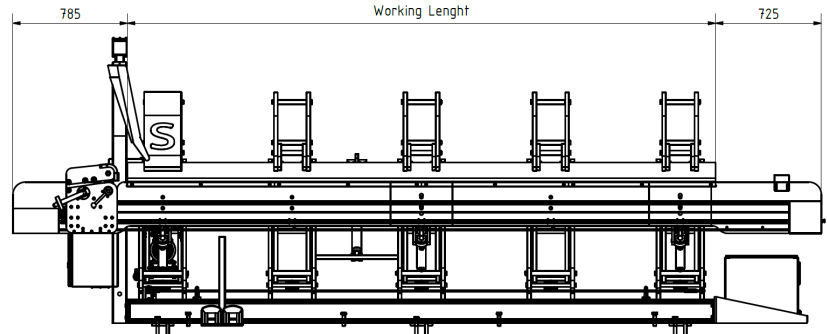
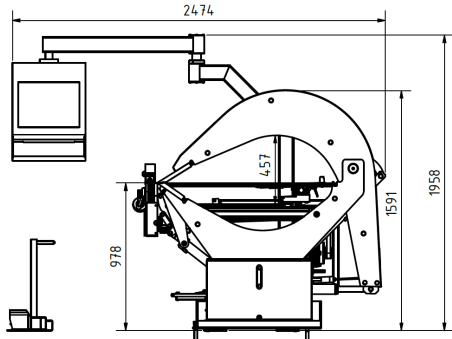


Technical Table

Stock models	VH4000				VH6000				VH8000				VH10000				VH12000		
Max. allowance thickness (mm) St40 / Alu / inox	1,25	1,5	2	3	1,25	1,5	2	3	1,25	1,5	2	3	1,25	1,5	2	3	1,5	2	3
	1.8	2	2,6	4	1.8	2	2,6	4	1.8	2	2,6	4	1.8	2	2,6	4	1.8	2,6	4
	0,7	0,9	1,25	2	0,7	0,9	1,25	2	0,7	0,9	1,25	2	0,7	0,9	1,25	2	0,9	1,25	2
Working length (mm)*	4020				6020				8050				10050				12050		
Max. Pos. backgauge (mm)	1070																		
Arms	4	5	7	9	6	7	10	13	8	10	14	18	10	12	17	22	14	20	26
Cylinders on bending beam	3	3	4	5	3	4	5	7	4	5	7	12	5	7	9	14	8	10	16
Backgauge (guides / fingers)	2/4	2/4	3/4	4/4	3/4	3/4	3/4	4/4	4/4	4/4	5/4	5/4	5/6	5/6	6/6	6/6	6/6	8/6	8/6
Weight (ton)	3.5	4	5	6	6	6.5	7.5	8.5	6.5	7.5	8.5	11	8.5	10	12	14	9	12	16
Opening height of clamping beam (mm)	260mm																		
Max. rotation bending beam	145°																		
Hyd. power (kW)	Up to 4				Up to 7,5				Up to 11				Up to 15				Up to 18,5		
Radius adjustment (Hydraulic / Automatic)	std / op				std / op				std / op				std / op				std / op		
Command (Simple Touch / CNC EliteBender)	std / op				std / op				std / op				std / op				std / op		
Colors	RAL 2008 (light orange) and RAL 7043 (dark grey)																		

*The lengths can be modified

Dimensions





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