



FOUR ROLLS

M-ME LINE MACHINE



It is the easiest hydraulic calendaring machine to use thanks to the possibility of pinching the sheet metal between the two central motorized rolls, performing the bending at the ends, and calendaring along the entire body of the sheet metal in a single direction and in a single pass.

The sheet metal is kept square without any slipping thanks to the constant clamping of the upper and lower rolls. This makes it perfectly suitable for being on a NC or CNC numerical control.

In this calender the parallelism of the side rollers is controlled by a torsion bar system that connects both ends of the rolls, eliminating the disadvantage of the extra encoders and the hydraulic circuit.

The rollers assembled on sealed bearings and without secondary components reduce the dispersion in the applied force that is generated by the friction of the various components

In its ME version both the movement and the parallelism of each roll are controlled electronically.

The side rolls move on oscillating planetary guides: a perfect geometry that eliminates the disadvantages of linear gears. For this reason we have hydraulic pumps with lower capacity motors, improving energy savings.



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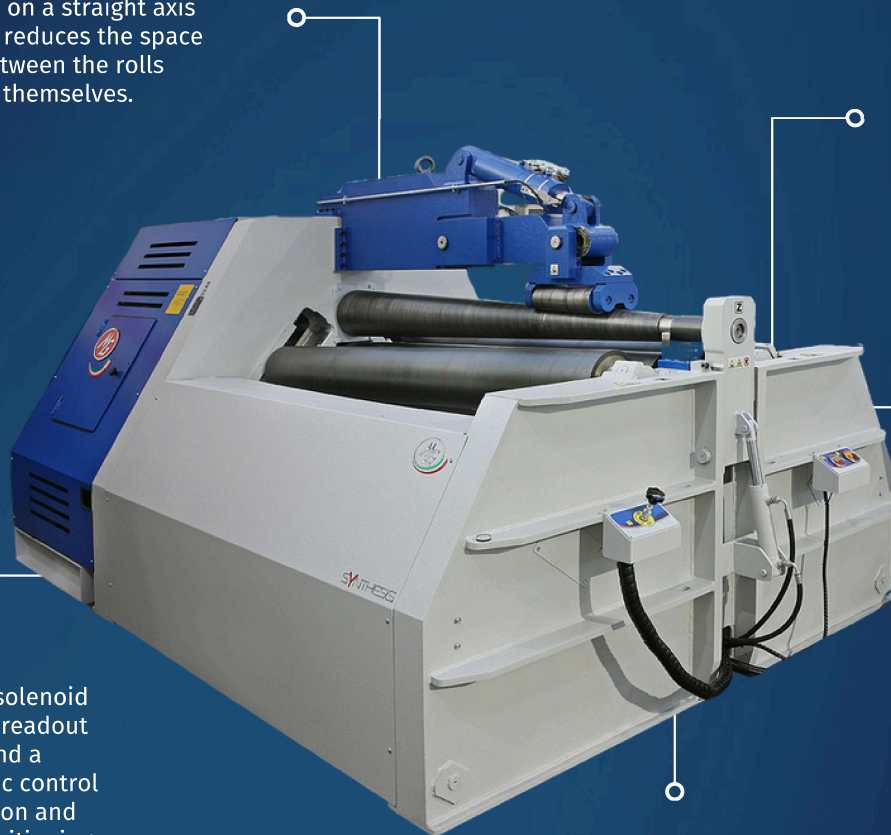
FOUR ROLLS

ML LINE MACHINE



In its ML version, however, the lateral rolls move on a straight axis which reduces the space between the rolls themselves.

The contact point of the lateral roll with the sheet metal takes place in less space thanks to a shorter wheelbase; this allows you to machine very small diameters and have a much shorter straight part.



Two proportional solenoid valves, two digital readout transducers and a dedicated electronic control guarantee precision and repeatability of positioning over time for each roll

Independently of temperature and any mechanical wear, always guaranteeing maximum precision.

On this model the parallelism of the rolls is electronic.

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