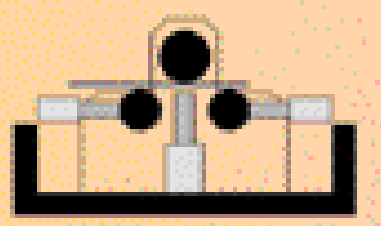
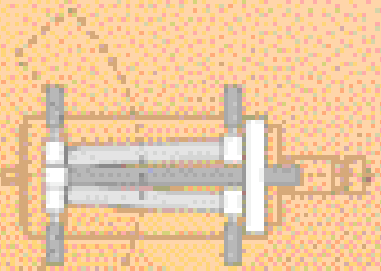


On the Sertom EMO TYPE, thanks to the special bottom roll horizontal geometry, it is much more easy to remove the tube in horizontal position.



Having the two bottom rolls moving horizontally, means also a lower working height which requires a smaller foundation pit and less anchoring load.



Particular construction conception of model EMO, attains to reach conical production very easily: by leaning hydraulically the lower rolls and applying a contrast device.

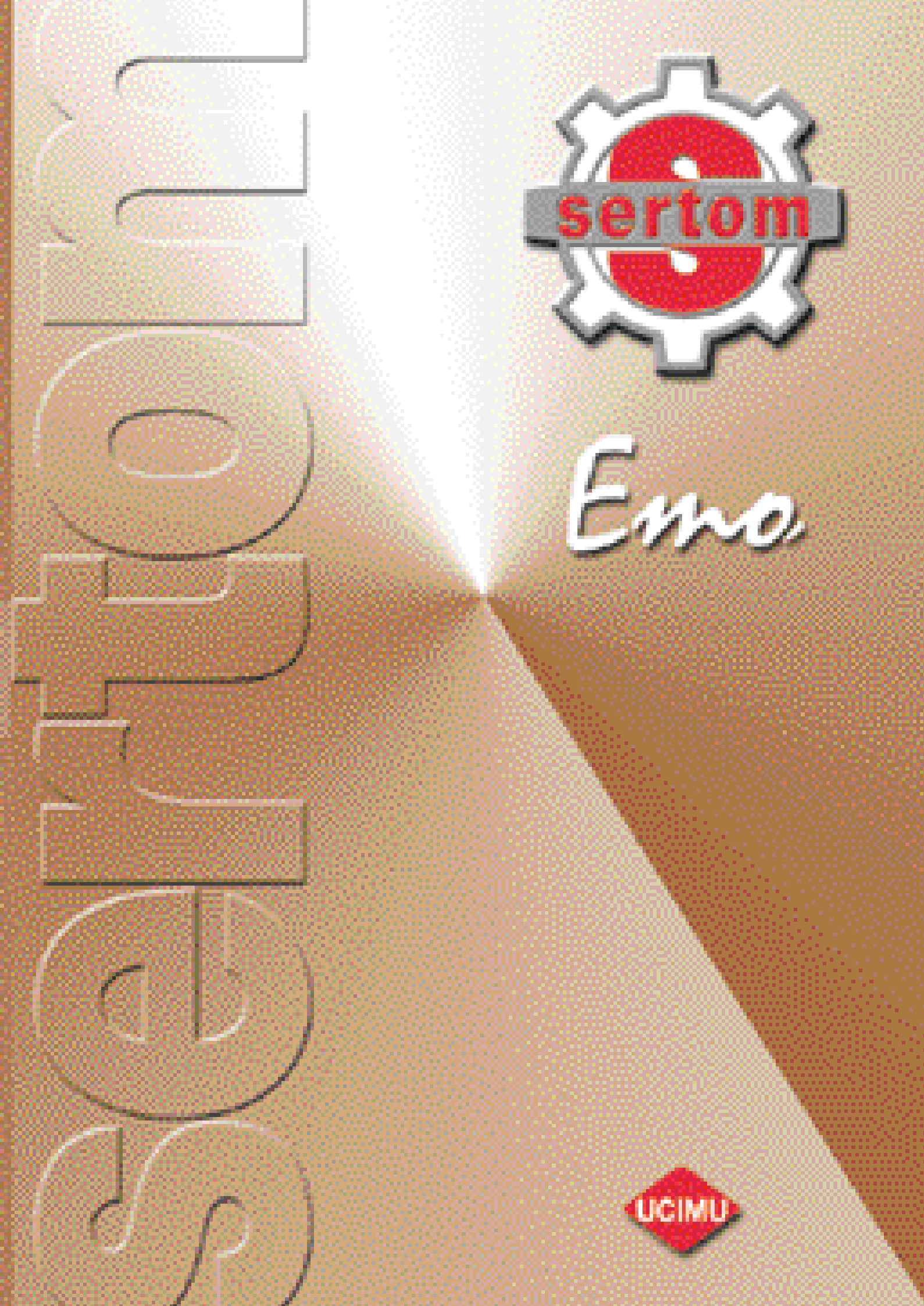


SERTOM IN THE WORLD



sertom M.M. S.p.A.

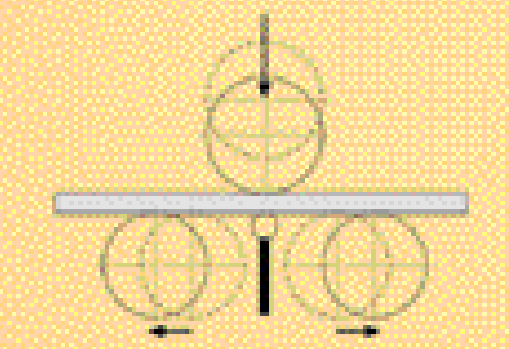
Via E. Mattei, 16/b • 25060 Collebeato - Brescia - Italia
 tel. +39.030.2511234-343 - fax +39.030.2511562
 E-mail info@sertom.it • http://www.sertom.it



Emo

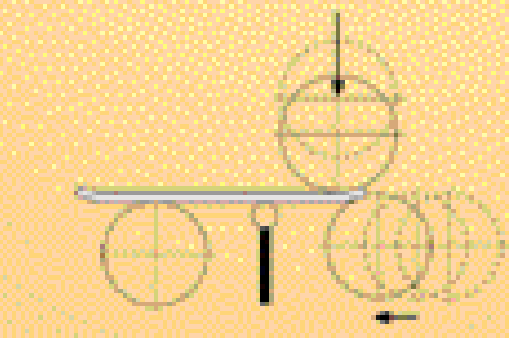


ADVANTAGES MODEL EMO

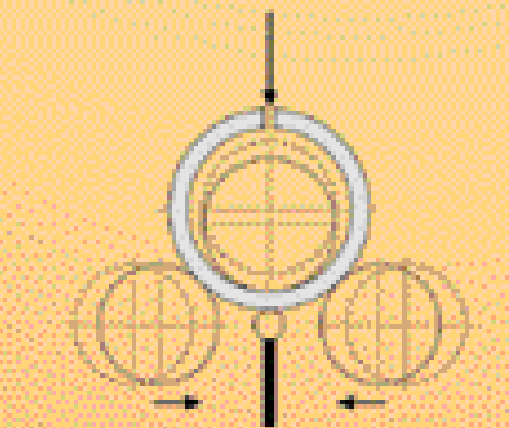


The possibility to increase centre distance between lower rolls realises, under parity of available force, to have a capacity yet in pre-bending of about the double of bending operation.

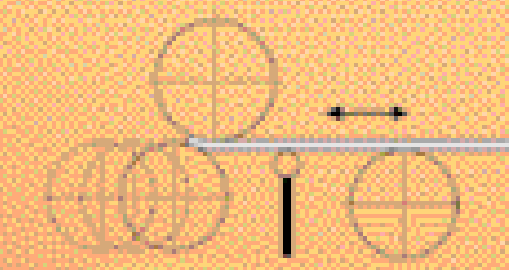
Thanks to the 4 small roll, on which is the encoder, placed



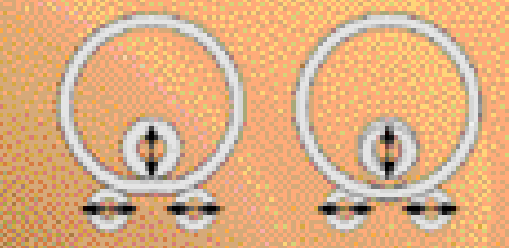
Checked lower rolls traverse let to obtain pre-bending operation with considerable facility.



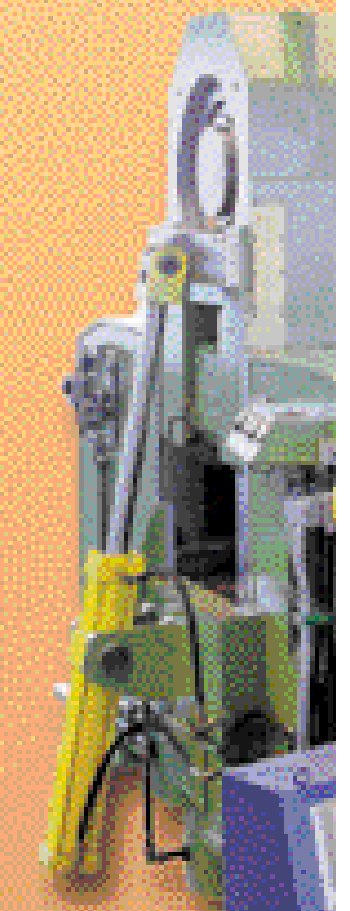
The possibility to reduce centre distance between lower rolls realises an optimum slide of plate, consequently a better bending phase of small diameter and thickness as well, furthermore gets easier the gauging of tube to



During production of heads, the plate keeps its horizontal position. This means more security for the operator.



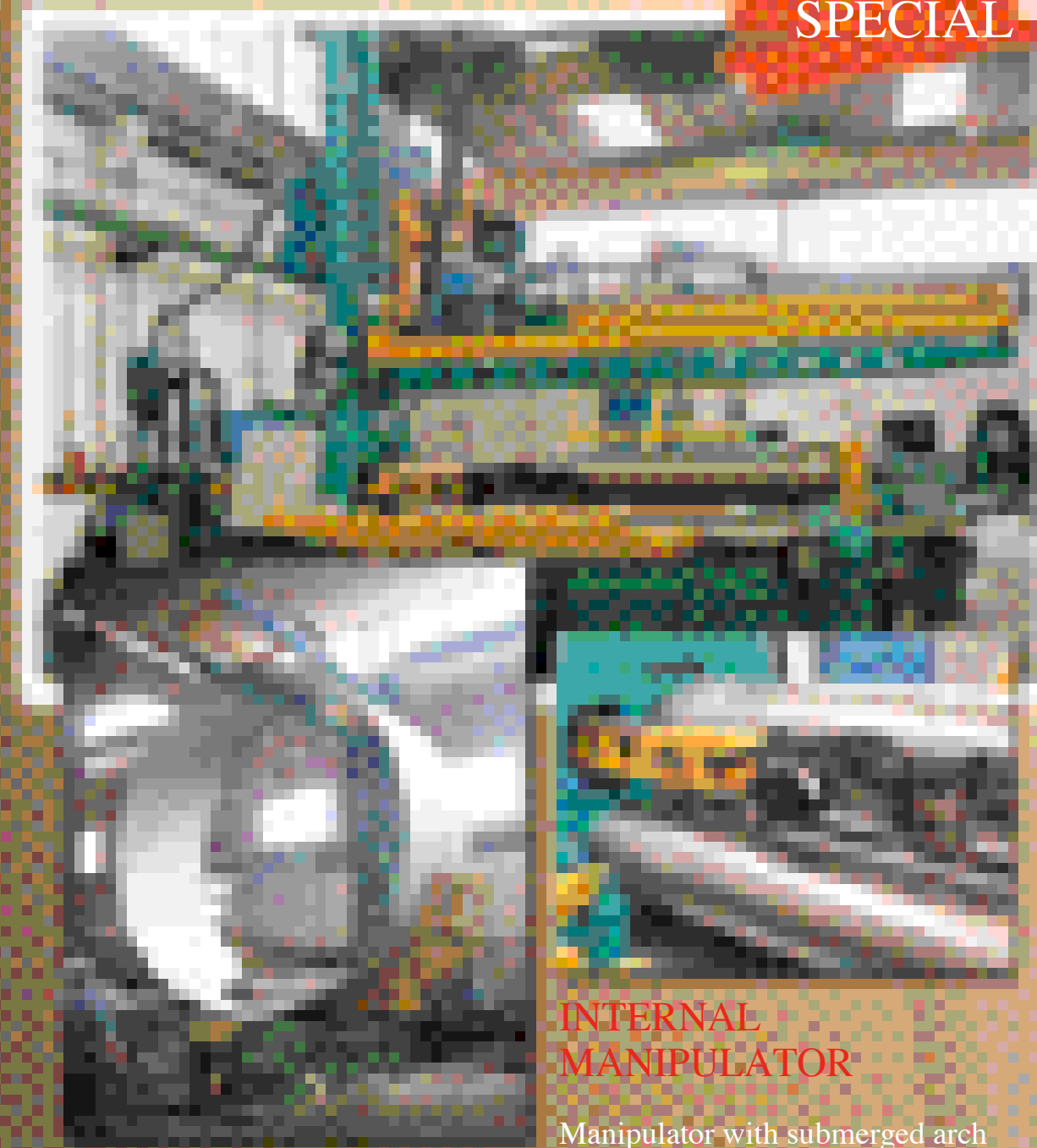
Another important feature of the EMO type plate roll, is the presslike operating system of the top forming roll. In fact, the top forming roll can be used as a traditional press allowing perfect rerolling operation and calibration of the produced tubes. In the same way it is also possible to obtain cones with heavy thickness



Hydraulic double pinch plate rolls designed to bend medium/big thickness plates.

Special applying of an EMO 30-25 equipped with a submerged arch welding plant for external and internal welding.

SPECIAL



INTERNAL MANIPULATOR

Manipulator with submerged arch

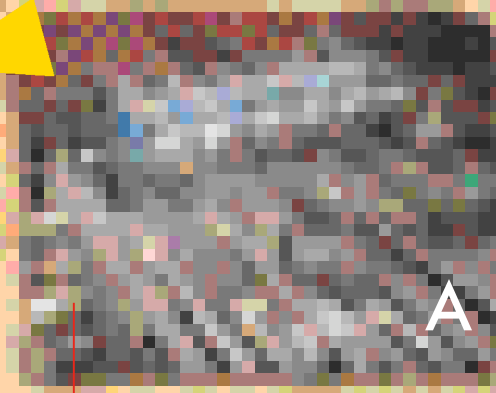


ENGINES

The upper roll rotation is given through hydraulic motors together with epicycloidal reducers, directly

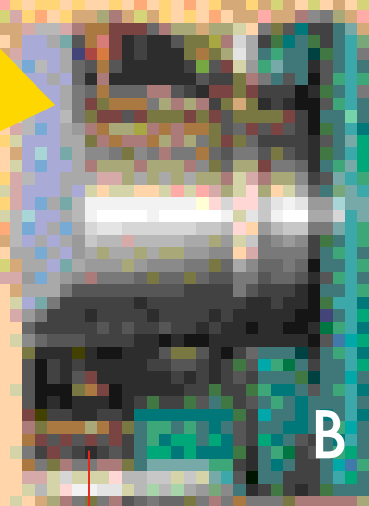
HYDRAULIC PLANT

Modern hydraulic distribution group integrated in a unique block, in order to best limit the noise and the possible dribbles.



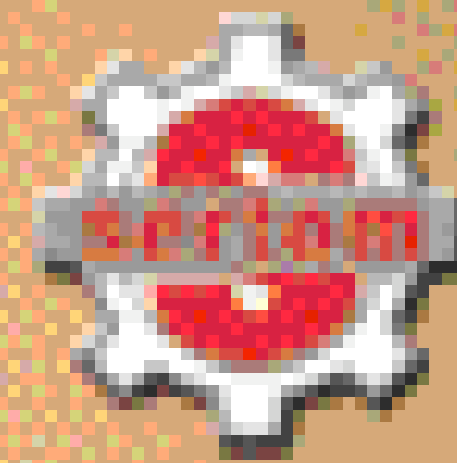
INTERCHANG EABLE ROLL

Thanks to the particular construction of EMO machine, only 6 screws have to be unscrewed to allow the tube withdrawal.



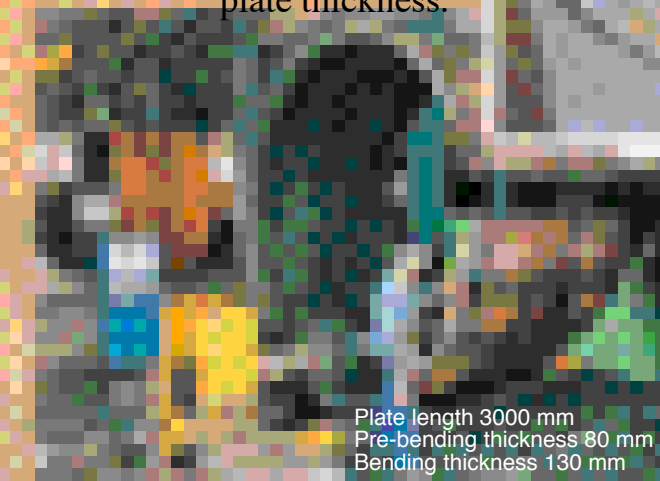
PINCHING ROLL

Thanks to this 4th small roll it's possible to equip the machine with the numerical control. On this roll, which is in constant contact with the plate, is applied the encoder which gives the quote of the plate itself.



PRE-BENDING

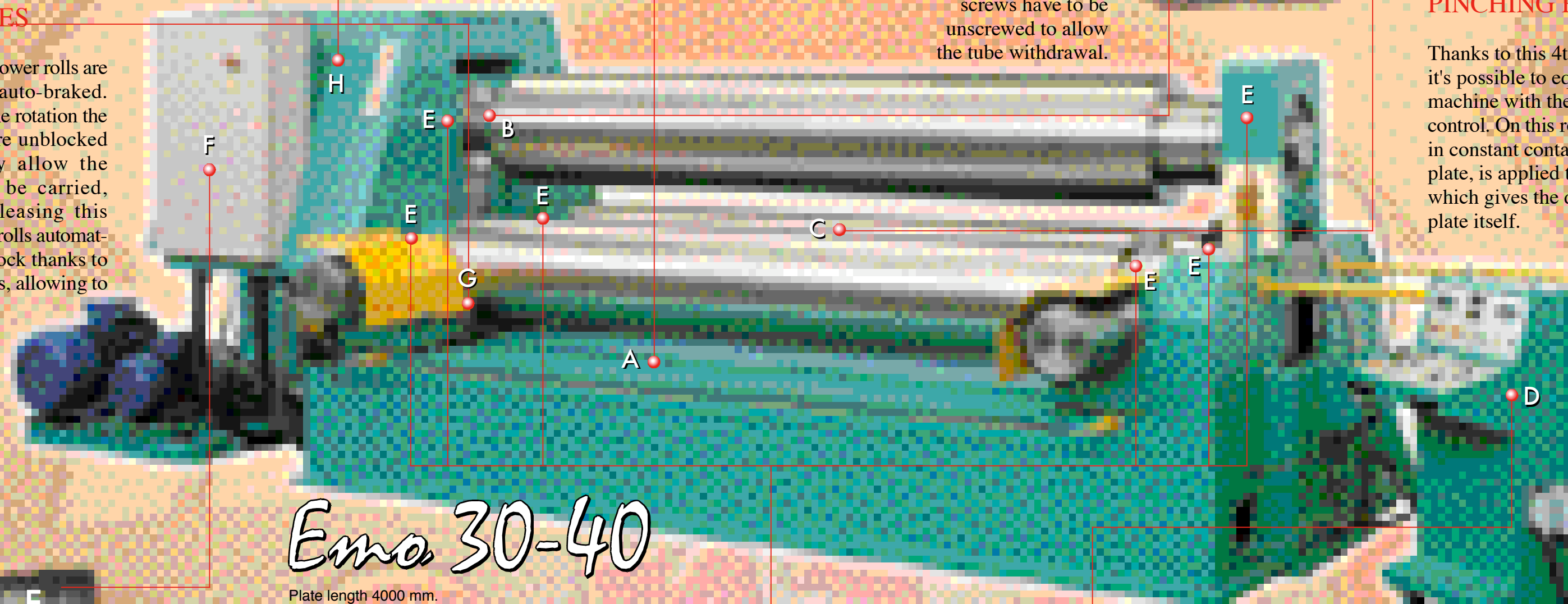
With EMO bending machines the flat end is reduced to the 1,5 of the plate thickness.



SOME WORKING PHASES OF THE PLATE THROUGH HYDRAULIC SERTOM

BRAKES

The two lower rolls are free but auto-braked. During the rotation the brakes are unblocked and they allow the plate to be carried, when releasing this drive the rolls automatically, block thanks to the brakes, allowing to



Emo 30-40

Plate length 4000 mm.
Pre-bending thickness 40 mm.
Bending thickness 62 mm.

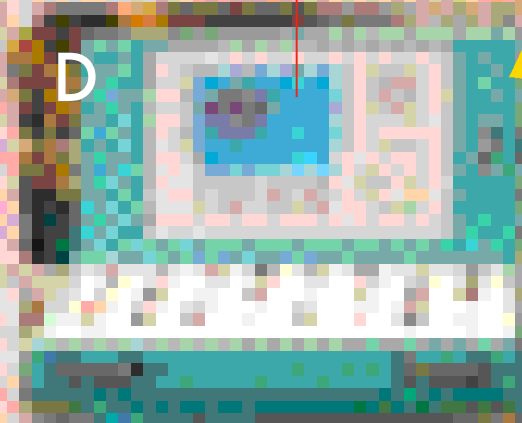
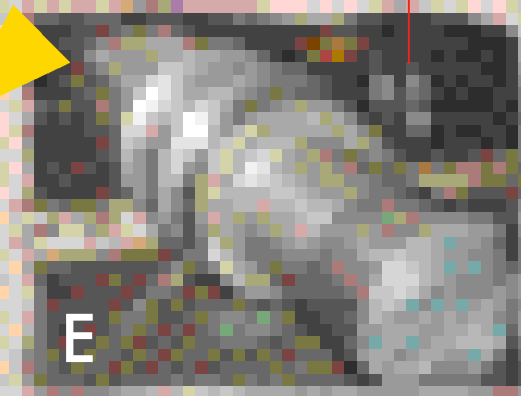


PLC

The PLC SIEMENS is in the electrical shaft and it drives the parallelism of the top and the lower rolls.

BEARINGS

All the rolls rotate on radial bearings, which can be oriented to two crowns of rolls.



CONTROL PANEL

The operator can drive the machine totally from the control panel, on which are located not only every drive selector but also every warning light showing the different levels. The selectors for the centralised lubrication, the readouts of the rolls positioning, or in

