

*Sertom technology
in metalforming machines*



SERTOM IN THE WORLD



40 years
1960 - 2000

sertom M.M. S.p.A.

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*Vertical
Plant*

SERTOM

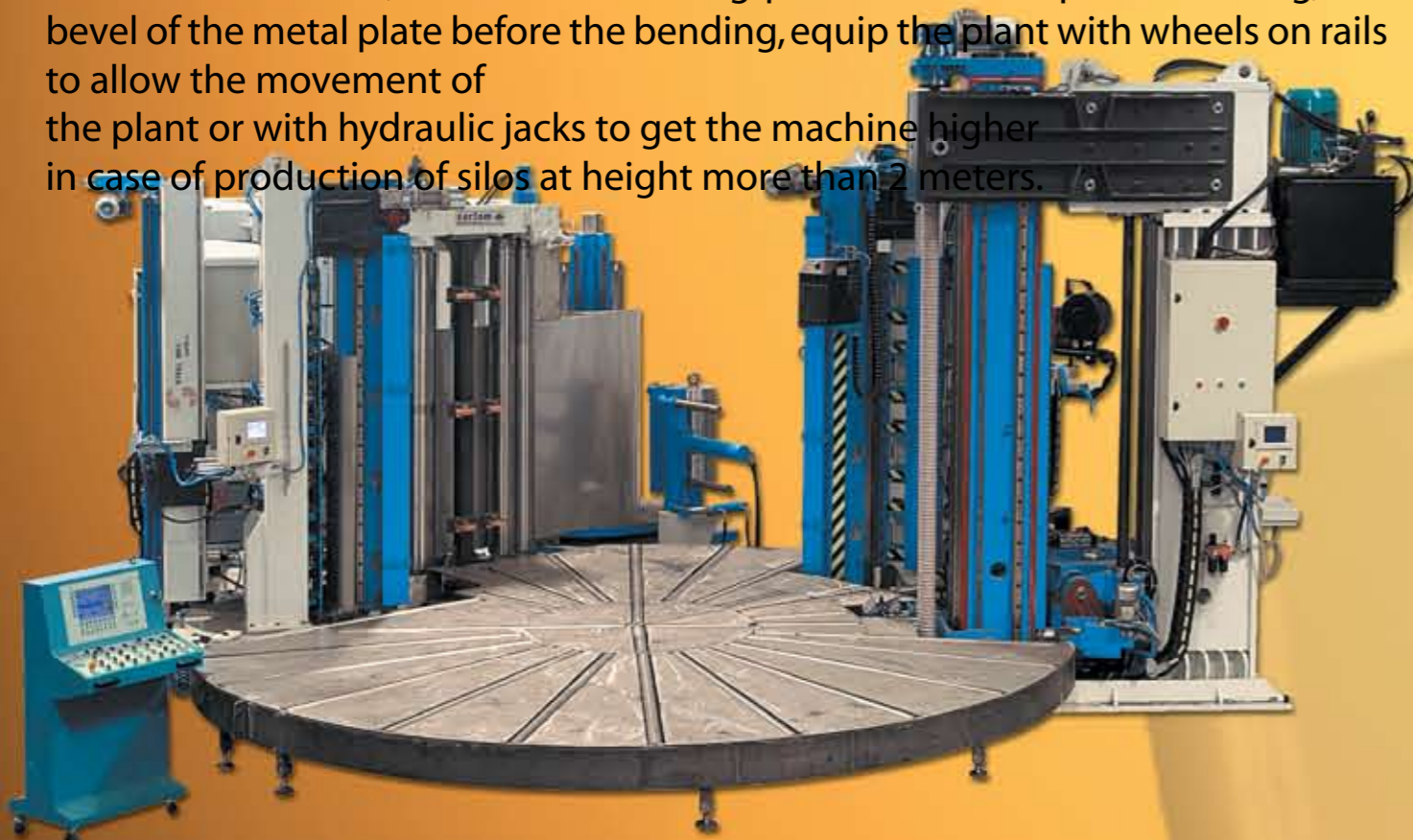




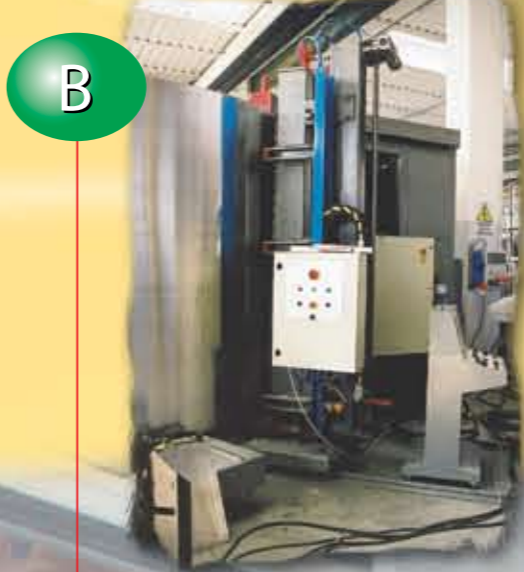
Vertical

Special vertical plant to bend big diameters, starting from the unreeling of metal plates from coils.

Differently from the usual vertical plate rolls present on the market, the plant produced by Sertom is studied and designed with the maximum technology, taking into consideration the problems of the manufacturers of silos with diameters from minimum 2 m to a maximum of 90 m and variable heights. In only 8,4 square meter we have the coil, the motorisation of the disc carrying the coil which allows the reeling and the unreeling, the straightening rolls, which are used to give linearity to the metal sheet which unreeling is bent, the two pinching rolls and the shaping roll, which give the required diameter. All this in a compact machine with reduced measures, studied to be transported directly to the yard with a usual truck in order to manufacture the silos on place, avoiding transport costs of the various parts of the silos itself. The client can customize our plant as he likes, starting to install from the blocking and cutting bank of the vertical metal sheet, the vertical welding plant and consequent brushing, the bevel of the metal plate before the bending, equip the plant with wheels on rails to allow the movement of the plant or with hydraulic jacks to get the machine higher in case of production of silos at height more than 2 meters.



COMPACT MAKER
Hydraulic piston with gummy wheel to avoid the plate unwinding from the coils.



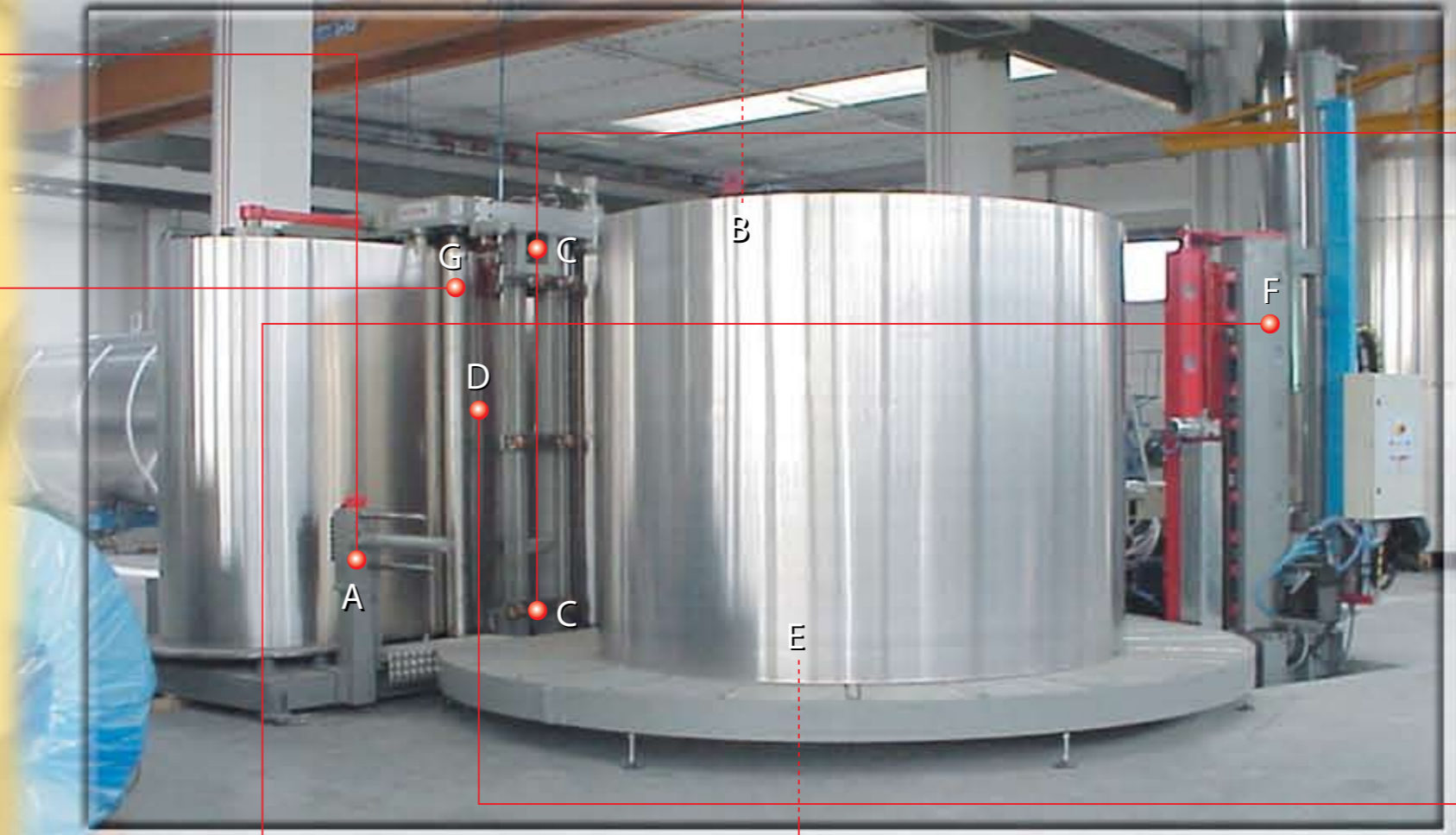
VERTICAL CUT
Blocking bank and vertical cut. the cut can be made either through a high speed milling cutter or through plasma cut.



BEVELLING
The plant can be equipped with some high speed milling cutters, which bevel the plate before its bending.



STRAIGHTENING ROLLS
These three rolls straighten the plate before it comes into the pinching rolls.



VERTICAL WELDING
Vertical welding plant with MIG process. Beside this, after welding there is also the plate



PLC
The plant is completely driven through a Siemens PLC.



HYDRAULIC PLANT
The hydraulic plant is settled in little space, made by rigid tubes, hydraulic gearbox, heat exchanger with air cooling system.