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Combi line from Italy

THE new combi line LTF 1500/10/5/1.5 stainless steel, for cutting to size of sheet and for cutting strips, is designed and manufactured by Camu, Italy. The line is aimed at small, medium and large users that need to give quick response to market demands, such as those who need to produce small and medium batches of strips or sheets with the maximum reduction of downtime and maximum flexibility of use.

To have such a type of line can be strategic not only to producers of final industrial goods but also to service centres, which prefer to have flexible production availability for small and diversified lots, in order to ensure customers a complete service. Even companies that operate their own

machining of plasma cutting, laser, punching, etc, have discovered the strategic importance of having a line for cutting to size of sheets 'just in time'.

Designed to process coils of stainless steel and painted with a high level of quality, the line is suitable for making semi-finished products for virtually all sectors, including white goods appliances, transport, buildings and design. It consists of loading cradle, wrap paper, reel, prizes roll, plasticiser, straightener, circular blade shears, winding scrap, guillotine shears, stacker, tensioner, retractor and unloading cradle.

The 10-ton loading cradle is hydraulically moved vertically and horizontally from the control panel. After

the reel – a hydraulic expansion and spindle with a power of 3KW – is a press neutral roll and plasticiser for the nylon top guard of the tape. The straightener, together with the shears, represents the 'heart' of the line.

Robust and rigid, operations are carried out practically in the absence of vibration, and the straightener is equipped with seven motorised rollers and two drive rollers. The rollers are driven by a geared motor.

The shears for cutting the strips of sheet metal have a fixed lower shaft, and an upper shaft adjustable in height depending on the thickness. A geared motor transmits power to the shear. The blades are attached in specific positions on the shaft by means of screws and can be moved horizontally with a simple adjustment. Changing blades is also very easy.

The guillotine shears for the realisation of cut-to-length sheet are equipped with pneumatic clutch. The automation that leads to the storage of the sheets to the output of the line is composed of a stacker and a hydraulic platform. The stacker is designed for sheets up to 3m in length and is equipped with side rails and support rollers. The two opposing groups are adjustable in width from 500 to 1,500mm. The platform moves vertically along the height of the stack of pack, and the discharge of the pack is made longitudinally.

Strips are conveyed on a 1,000mm-wide tensioner, and the production line is completed with a retractor and a 5-ton unloading cradle.

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