

■ Line for the manufacture of HVAC ductwork – LCP



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This high-performance line is used to enable the maximum automation of the production process of the straight parts of the square HVAC duct. This includes the entire production process of the HVAC duct, from a sheet metal coil, by means of a fully automatic cycle.

This is a machine designed for the automatic production of square HVAC ducts, allowing production of the duct with the highest efficiency in the smallest possible space.

When running, the machine executes the following operations:

- decoiling the sheet metal from one of the horizontal decoilers with a load of up to 5 tons
- straightening sheet metal using a double straightening device
- if required, forming cross beads with "Z" or "trapeze" shapes on sheet metal
- measuring the unwind length of a duct and carrying out edge bending
- cutting the formed duct with an addition for any seam

Programming of individual dimensions and of the addition for any duct seam is carried out on a control panel located directly on the

Technical specifications:

Voltage:	400 V
Power consumption:	6.5 kW
Max. width of coil:	1,500 mm
Max. thickness of sheet metal:	1.3 mm
Max. weight of coil:	5 tons
Number of decoilers:	in accordance with the customer's wishes; the standard number is 3
Inner diameter of coil:	460 to 630 mm
Weight of the line:	3,300 kg

machine. Software for the line is created with the capacity to conform to the products of all duct manufacturers.

If the beading and the bending functions are omitted, the machine can also serve solely for cutting flat sheets of metal of up to 10 m in lengths.

The machine can be equipped with a special device for the easy selection of coils – the "selector". In this case, you can easily and swiftly choose between three types of coils that are then loaded directly into the machine.

The beading part of the machine is equipped, in accordance with the customer's wishes, with either the "Z" or the "trapeze" profile. However, it can also be equipped with both types of profiles simultaneously.

For the following technological operation – closure of the duct, it is appropriate to use the machine seaming the square HVAC duct.

