

■ Straightening line for plasma machines - LVP



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This machine is an effective solution for all producers seeking a cost-effective solution when cutting fittings using a plasma-cutting machine. The machine is able to unwind, straighten and feed metal from a coil into the cutting device and then remove the waste material.

It is an automatic device for processing coils of sheet metal with a thickness of up to 1.3 mm. It has generally been used as an adjunct to plasma-cutting machines when cutting HVAC duct fittings, in addition to other sheet metal pieces.

This line is generally composed of the following units:

- Optional number of horizontal decoilers (two are standard) with a maximum load of 5 tons.
- Feed for sheet metal into the machine by the use of two mechanically adjustable guides.

- Multiple straightener with four fixed and three freely-adjustable rolls.
- Unloading of the waste material is carried out using rolls with a specially treated surface, ensuring that the sheet metal cannot slip. The unloading rolls are located behind the actual plasma-cutting device and they are controlled synchronously with the feeding of the fresh sheet metal.

The entire line is controlled by means of a control panel, located directly on the machine. A 3-phase motor is used as the drive, and its torque is distributed towards cylinders utilising a gear-wheel assembly.

■ Technical specifications:

Voltage:	400 V
Power consumption:	2.2 kW
Max. width of coil:	1,500 mm
Max. weight of coil:	5 tons
Max. thickness of sheet metal:	1,5 mm
Inner diameter of coil:	460-630 mm
Weight of machine:	1,800 kg

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