



OFFICINA ABA Srl

Via 25 Aprile, 20 – 59013 Montemurlo (PO) Italy

Tel: +39 0574 798181 Fax : +39 0574 791101 www.officinaaba.com commerciale@officinaaba.com

Vertical Cross Lapper VL



This machine is built for the formation of layers of textile fibres; it is available with working heights starting from 1000mm up to 3000mm. The layer produced is normally used after being thermo-fixed for the production of insulation panels, soundproofing, automotive sector, etc.

The machine receives the material in fibre web previously formed by a card, it can be inserted with one web or two webs overlapped, the maximum input speed of the material is 100-120 meters/min.

The machine produces layers of fibres from a minimum height of 15mm up to a maximum height of 50/55mm. The arrangement of the fibres during the formation of the layer occurs almost vertically. The density adjustment of the material produced is made by adjusting the speed of the inlet cylinder and the forming cylinder, depending on the number of teeth of the forming cylinder mounted on the machine and the position of the material outlet doffer.

This vertical cross lapper is built in such a way to be able to easily and quickly change the forming cylinder (and therefore to be able to change the number of teeth forming the material) in only 20/30 minutes, thus making the machine flexible for changing the layers to be produced.

All machine adjustments can be made by means of cranks or they can all be automated and adjustable from the machine control panel.

The machine base is mounted on rails to be able to move it in case of maintenance of the oven belts and to adjust the height of the machine position with respect to the oven belts for rapid setups with different heights and materials produced.

The lower grates of the stainless steel cylinders are equipped with a profile adjustment system to be able to be collimated with the machine cylinders.

N. 2 brushless motors move the cylinders.

The Vertical Cross Lapper VL can be supplied with connection belts and web transport from the card.

