

FLAT ROOF FOX

FUNCTION AND PROPERTIES

Despite numerous technical innovations, bitumen rolls on roofs are still cut by hand and hook blade. A labour-intensive and above all time-consuming process. The FLAT ROOF FOX almost completely relieves roofers of the otherwise tedious cutting work on flat roofs. Recurring cutting operations can be set and automated in just a few steps.

NEW: The FLAT ROOF FOX

The FLAT ROOF FOX is the world's first mobile machine for cutting bitumen membranes.

It is equipped with two brakeable wheels and two feet. With a handle it can be lifted and moved over the roof like a trolley. Power is supplied via a standard 230 V socket. Crane eyelets, supports and a load-bearing construction allow transport by

crane, elevator, lift truck or two persons. The machine should weigh about 40 to 50 kg in the series model. So as much as or hardly more than a bitumen roll.

The prototype you saw at the fair is designed on one metre wide tracks. The series model will be able to process webs from 1m to 1.10 m width.

How the FLAT ROOF FOX works

The FLAT ROOF FOX stands on the floor, next to it a pallet of bitumen membranes. The roll is unpacked and simply folded sideways. There's no need to raise the roll.

The bitumen membrane is now already in the right place and only needs to be pushed into the feeder. The roller is then retracted by the machine.

The FLAT ROOF FOX cuts in both longitudinal and transverse directions. For the longitudinal sections 3 knives are attached,

which can be manually adjusted to the desired position.

For the cuts, commercially available hook or crescent blades are used, as you can get them in any construction market. The blade is replaced in a single movement in a few seconds.

We have deliberately opted for simple standard blades, as every roofer carries with him anyway.

After the cutting process, the sections stack up with the top facing upwards.

The control of the FLAT ROOF FOX

A control unit on which a display is permanently installed is included. If possible, this will only be as big as a tablet and a few centimeters high.

This control unit incorporates a Bluetooth interface so that the machine can also be paired with other commercially available mobile phones and tablets. This allows you to move freely and to record the measurement regardless of the location of the machine and save it for later editing.

The number and dimensions of the cuts can be entered in the stored software. This ranges from a cut in a certain width to a whole list of different quantities and dimensions.

It is possible to create projects (e.g. construction sites or construction phases) to which cutting orders are assigned. The software then processes the list at the push of a button. All you have to do is add rolls.

If a roll has too little residual length, the machine ejects the remaining piece and continues with the correct size on the new roll.

The workflows are documented so that after completion of an order the consumption of the rolls and the cuts made can be traced. The type and length of the rollers can also be entered.

The advantages of the FLAT ROOF FOX

The automation of the cutting processes simplifies the work process enormously. The employees are relieved of a very strenuous activity, which benefits their health and thus the entire company. The risk of injury caused by the sharp blades is massively reduced – also a contribution to the health of the employees and an important aspect of safety.

The cuts are always straight, at the beginning of the day as well as in the evening.

Software support reduces errors and unnecessary material waste.

Compared to the manual cut, we achieve a time saving of up to 80%, which allows skilled workers to be deployed more quickly for other tasks.

So the investment in the FLAT ROOF FOX paid off after a short time.

Do you have any questions or would you like to pre-order?

We would be pleased if you contact us at team@rooffox.de

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