

The BOA

Performat

The Performat has been developed to perforate and flatten plastic bottles, enabling them to be easily compressed into heavy bales.

The perforation of bottles makes them easy to press as air can flow out of the bottle. The flattening of the bottles has as advantage that the bottles are easy to keep on the conveyor during further processing.

The perforator can be supplied as a stand-alone unit, placed over a conveyor or inside the filling hopper of a baler. When installed in a filling hopper the Performat has an automatic positioning drive. Combined with the baler control system, the Performat will automatically slide into the filling while pressing PET and out with other materials.

BUILT ON AMBITION





Specifications

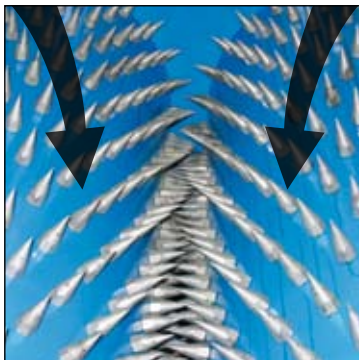
Type	Performat
Drive roles	2 x 3 kW
Positioning drive	0.55 kW
Total weight	ca. 1750 kg
Main dimensions (LxWxH)	3030 x 1970 x 1140 mm
Max. load	up to 100.000 bottles per hour*
Rotor speed	60 rpm

* depending on size and type of bottles

Function description

The Performat is fitted with two drums rotating in opposite directions in close proximity, driven by two drum motors. A conveyor can feed the Performat with PET bottles. The PET bottles fall onto the rollers and are pulled down in between the rollers. The fast-turning puncture rollers, with more than 1000 high-quality steel nails, perforate the bottles.

Because of the sharp angles, the bottles do not get stuck on the nails.



Aggressive spikes

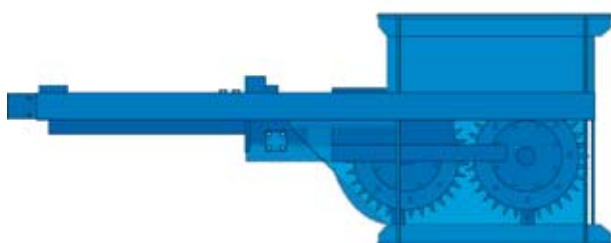


Hardened steel nails

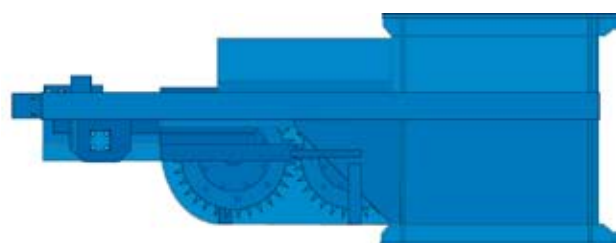


Top view

When disruptive materials get stuck between the rollers, they will reverse directions. This will resolve the blockage. The control of the Performat is completely synchronised with the chosen material in the baling press program. The Performat will automatically drive into the filling hopper when a PET bottle material is selected. Manual operation is also possible.



Performat driven inwards



Performat driven outwards

