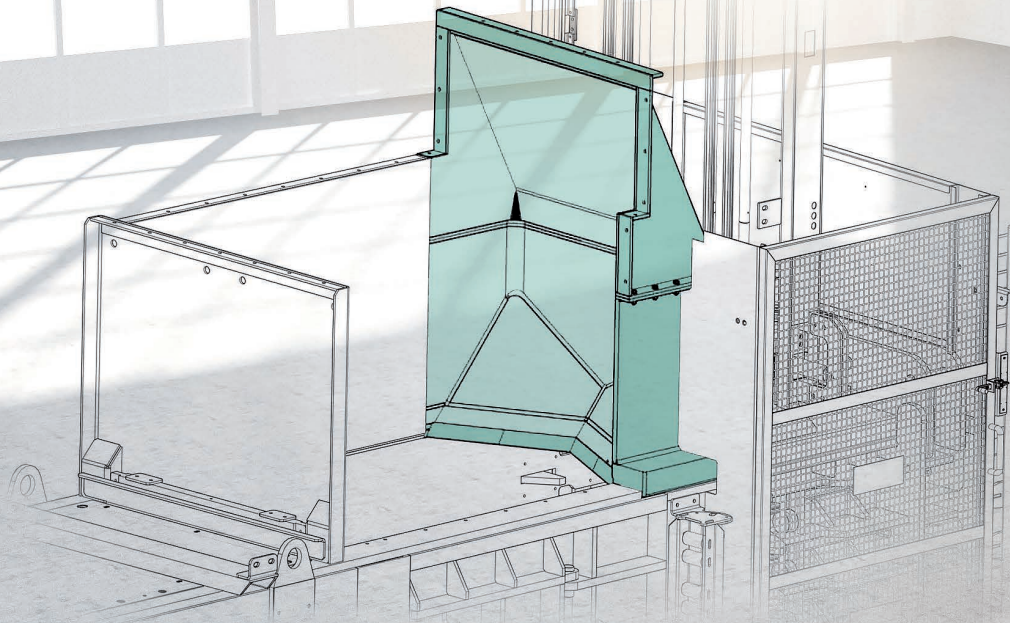




# Avermann



Patent holder:



## OptiCut

### More throughput and efficiency for horizontal balers

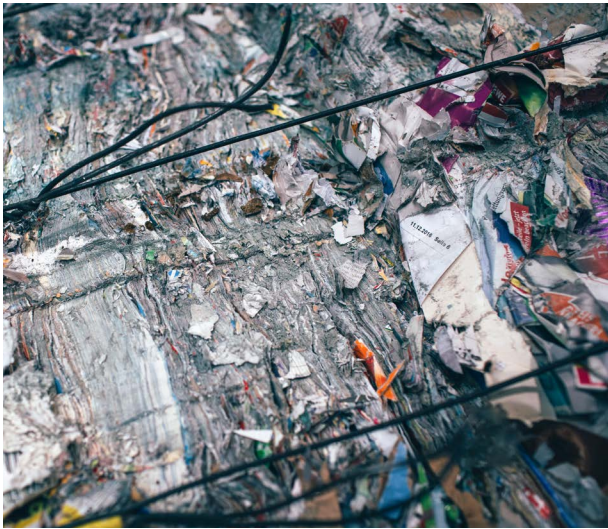
**The newly developed, patented cutting system "OptiCut" is the start of a new era in the construction of horizontal balers.**

It eliminates the need for a stamper plate and also increases the throughput of the press to an unprecedented level of 50 to 100 percent. This quantum leap in environmental technology is of particular benefit to users that are dependent on extreme throughput figures with maximum stability. In addition to the reduction of the cutting pressure, the entire hydraulic and mechanical stress is significantly reduced due to a homogenous cutting process. This is made possible through an optimally dimensioned expansion space for the material in the cutting process. The OptiCut system is available both for Avermann horizontal balers and also for retrofitting other brands.

### Your benefits:

- + **Economical:** Extremely short payback period
- + **Efficient:** Increase in productivity by 50% to 100%, depending on the material
- + **Efficient:** Reduction of personnel cost
- + **Saving:** Reduction of energy costs
- + **Low-maintenance:** Reduction of maintenance costs
- + **Robust:** Increase of lifetime
- + **Good handling:** Better stackability of bales





Cutting surface with OptiCut for bale material 1.02



Cutting surface with OptiCut for bale material 1.04



AVOS 1810 B5 with OptiCut

**Mixed waste paper 1.02 (B12)**

Without OptiCut

With OptiCut

Cutting pressure about	<b>200 bar</b>	<b>80 bar</b>
Time per bale	<b>1 min. 55 s</b>	<b>1 min. 20 s</b>
Bale weight (L=1.45m)	<b>640 kg</b>	<b>695 kg</b>
Throughput	<b>20.2 t/h</b>	<b>31.6 t/h</b>

Example: AVOS 1810 B5-90/100 with two axial piston pumps, 250 cm<sup>3</sup> each

**Waste paper from department stores 1.04 (B12)**

Without OptiCut

With OptiCut

Cutting pressure about	<b>150 bar</b>	<b>70 bar</b>
Time per bale	<b>3 min. 40 s</b>	<b>2 min. 43 s</b>
Bale weight (L=1.45m)	<b>520 kg</b>	<b>607 kg</b>
Throughput	<b>8.6 t/h</b>	<b>13.2 t/h</b>

Example: AVOS 1810 B5-90/100 with two axial piston pumps, 250 cm<sup>3</sup> each