



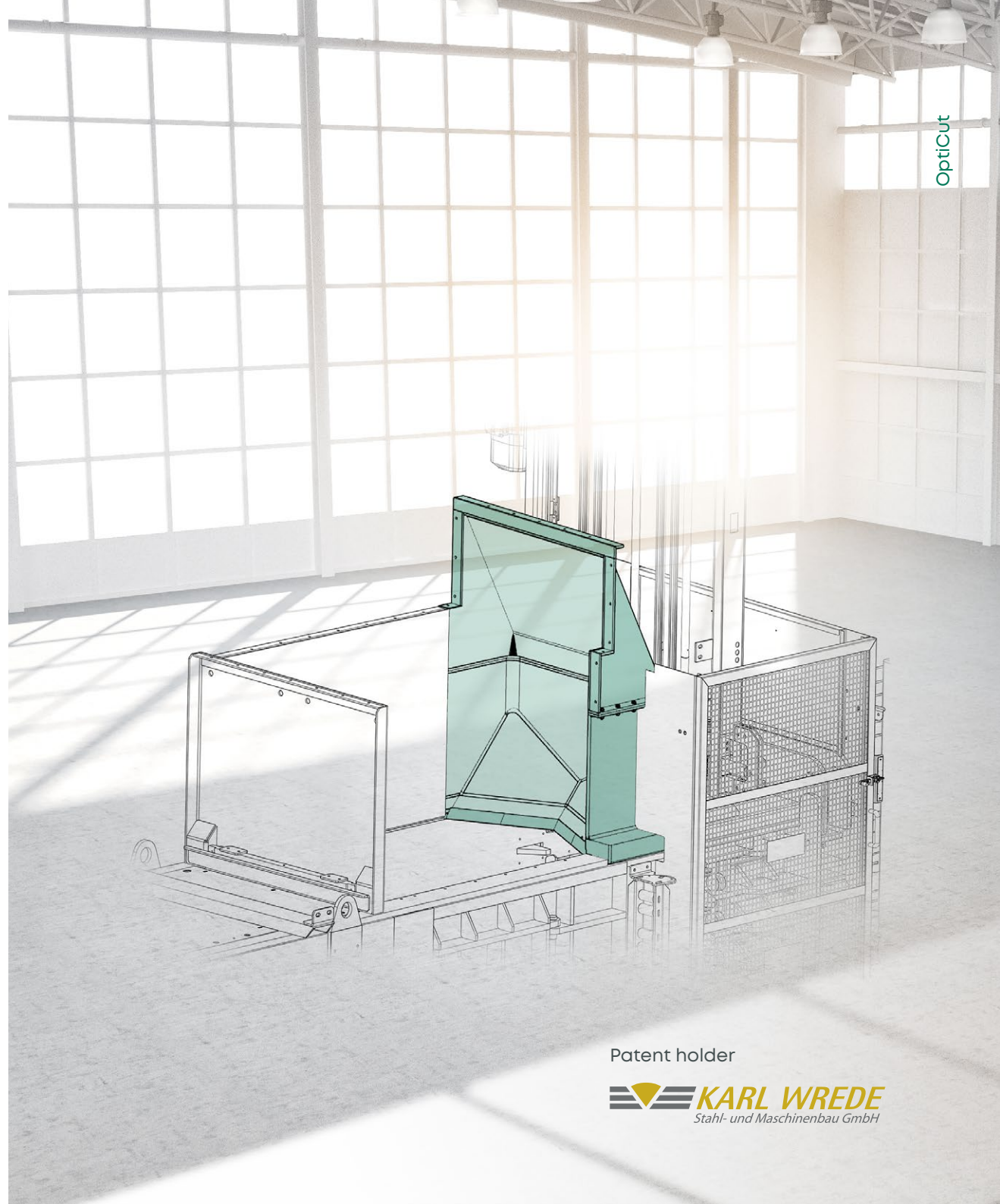
OptiCut

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.

Avermann
Maschinenfabrik GmbH & Co. KG
Lengericher Landstraße 35
49078 Osnabrück . Germany

Phone +49 5405 505-0 . Telefax +49 5405 6441
info@avermann.de . www.avermann.de



OptiCut

Patent holder

 **KARL WREDE**
Stahl- und Maschinenbau GmbH

OptiCut

Technical data

Your benefits:

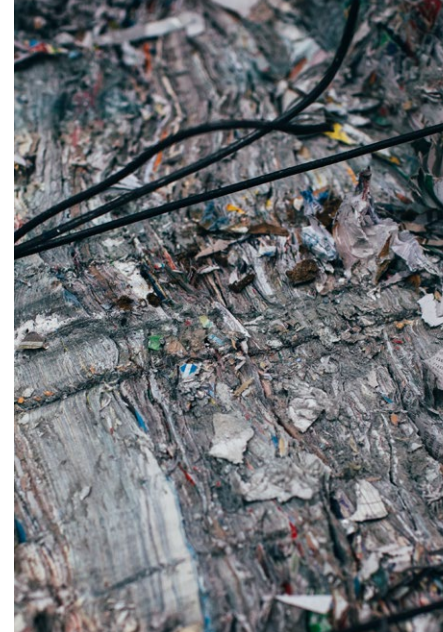
- › **Economical:** Extremely short payback period
- › **Efficient:** Increase in productivity by 50 % to 100 %, depending on the material
- › **Efficient:** Reduction of personnel cost
- › **Saving:** Reduction of energy costs
- › **Low-maintenance:** Reduction of maintenance costs
- › **Robust:** Increase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

Mixed waste paper 1.02 (B12)	Without OptiCut	With OptiCut
Cutting pressure	about 200 bar	about 80 bar
Time per bale	1 min. 55 s	1 min. 20 s
Bale weight (L=1.45 m)	640 kg	695 kg
Throughput	20.2 t/h	31.6 t/h

Example: AVOS 1810 B5-90/100 with two axial piston pumps, 250 cm² each

Waste paper from department stores 1.04 (B19)	Without OptiCut	With OptiCut
Cutting pressure	about 150 bar	about 70 bar
Time per bale	3 min. 40 s	2 min. 43 s
Bale weight (L=1.45 m)	520 kg	607 kg
Throughput	8.6 t/h	13.2 t/h

Example: AVOS 1810 B5-90/100 with two axial piston pumps, 250 cm² each



Cutting surface with OptiCut for bale material 1.02



Cutting surface with OptiCut for bale material 1.04

AVOS 1810 B5 with OptiCut

