

Avermann baling press, type AVOS 1410-45/85, 80 t pressing force, built in 2009, only 22,029 operating hours, with special press ram, partially overhauled, serviced, and tested



The machine was serviced and partially overhauled in our workshop and then subjected to a machine test in manual and automatic mode.

Technical data baler:

Manufacturer Avermann Maschinenfabrik GmbH & Co. KG, Germany

Type AVOS 1410-45/80

Year of construction 2009

Operation hours 22,029 hours, as of December 2025

Press power main press 80kN

Specific press force 103,9 N/cm²

Feed channel 1,400 x 1,000 mm

Theoretic cycle time 12 sec

Theoretic throughput capacity 300 m³/h

Bale size 1,100 x 750 (w x h), the length is variable

Drive power 45 kW

Connected load 75 kW

Tying system 4-fold, vertical, fully automatic

Throughput capacity at a

bulk weight of 30 kg/cbm approx. 6,0 t/h

bulk weight of 50 kg/cbm approx. 10,5 t/h

bulk weight of 100 kg/cbm approx. 17,5 t/h

Bale weight with a bale length of approx. 1.2 m up to 600 kg, depends on material

SPS controller Siemens S7-300

Operating panel pulsotronic

Baler dimensions built up 8,610 x 2,400 x 3,835 mm (l x w x h)

Transport weight baler approx. 16 t

Special equipment:

Wear-resistant floor made of HARDOX steel

Special press ram for pressing 'difficult' materials and loose bulk materials with small grain sizes

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Control cabinet air conditioning

Machine foot elevation 200 mm

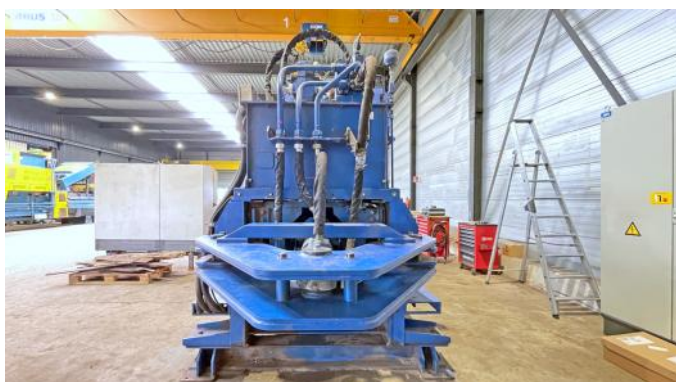
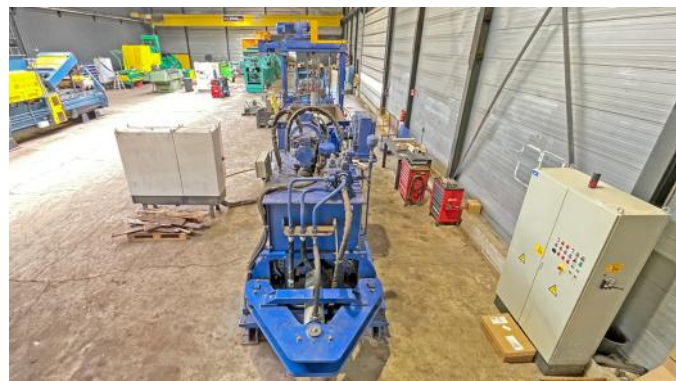
Remark:

The machine was serviced and partially overhauled in our workshop. The following work was carried out and parts replaced:

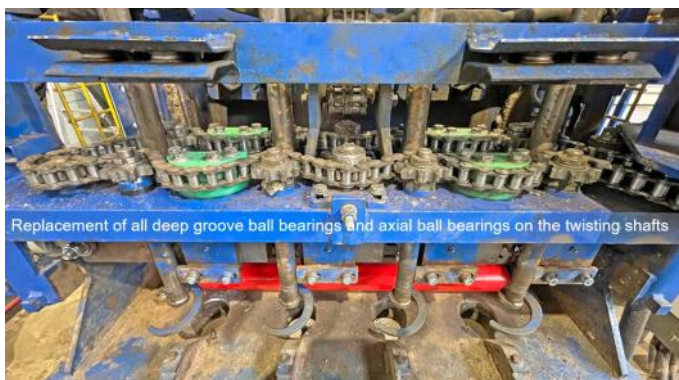
- Dismantling of the press ram, disassembly into individual parts, reconditioning of the mechanics, replacement of the following plastic wear plates and rails:
 - Plastic wear rails left/right under the press ram
 - Plastic wear rails left/right above the press ram
 - Plastic main wear plate (support plate) in the centre under the press ram
- Steel guide rails on the left/right in the frame
- Replacement of the entire base plate, four-piece, made of wear-resistant HARDOX steel
- Wire inlet rails in the press floor newly welded and smoothed
- Replacement of the counter blade, two-piece, in the frame
- Adjustment of the blade gap to approx. 2.5 mm
- Dismantling of the binding and twisting unit, disassembly into individual parts, loosening of the mechanics, replacement of all deep groove ball bearings and axial ball bearings on the twisting shafts, wire blades cleaned and readjusted, chains greased and tensioned
- Support roller in front of the twisting shafts replaced
- All hydraulic hoses replaced
- Oil filter and air filter replaced
- Main hydraulic cylinder checked for leaks
- The hydraulic oil is only one year old, has been chemically analyzed, is still in good condition, and has therefore not been changed but can continue to be used.
- General maintenance work carried out

Finally, the press was subjected to a machine test in manual and automatic mode; see video for the machine function test.

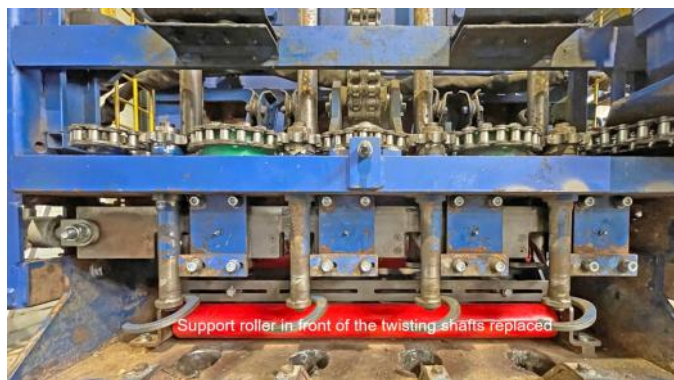
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Replacement of all deep groove ball bearings and axial ball bearings on the twisting shafts

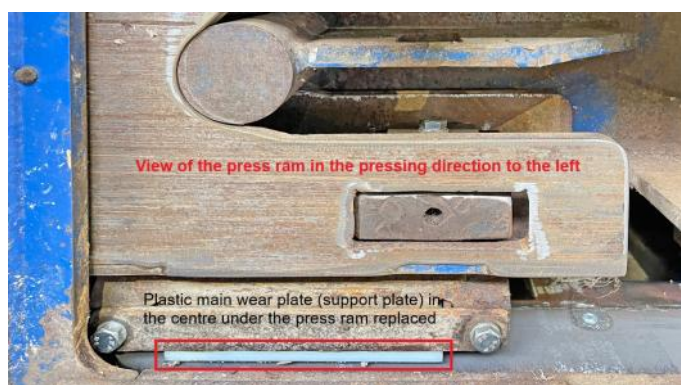


Support roller in front of the twisting shafts replaced

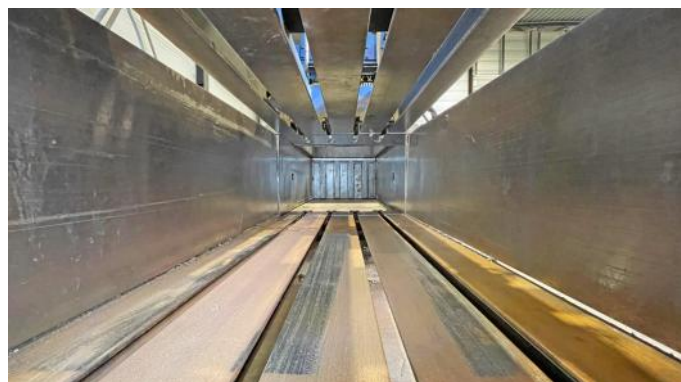
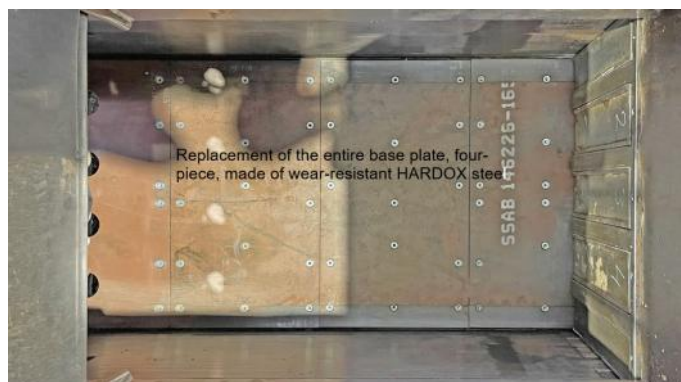
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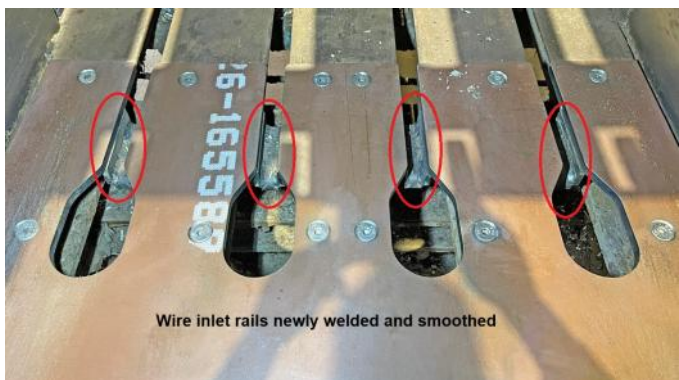
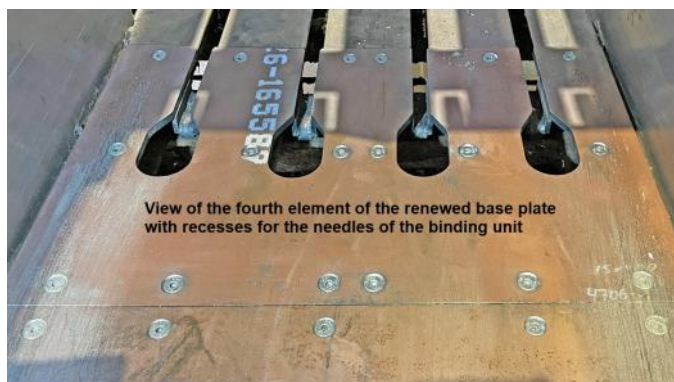
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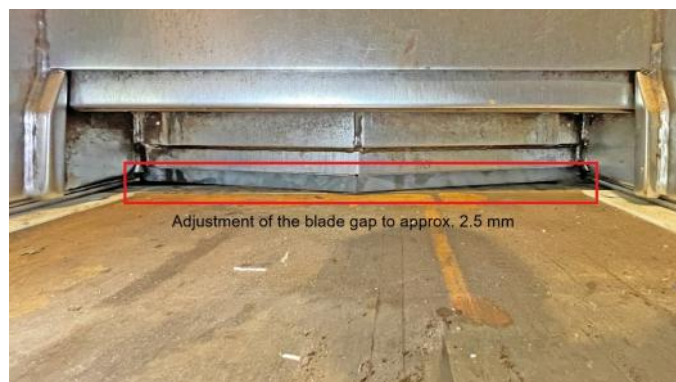
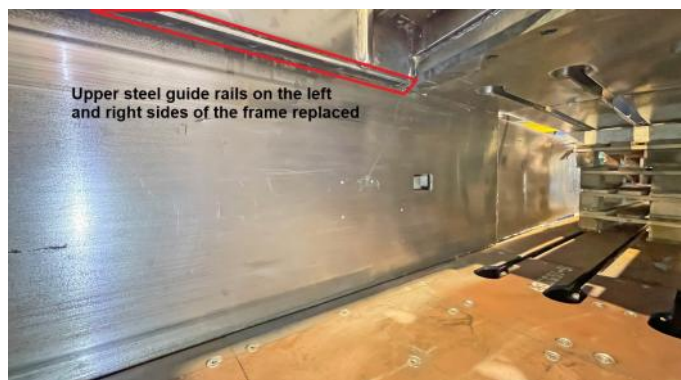
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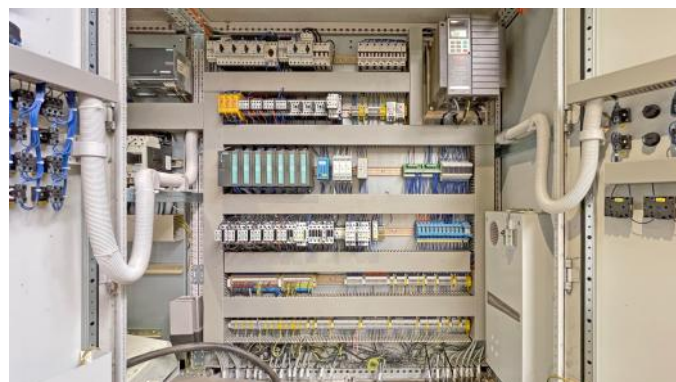
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