



SB 2500 · SB 3000 Horizontal Baling Presses



Horizontal Baling Presses from Welger – The intelligent way of waste logistics.

The highly automated horizontal baling presses SB 2500 and SB 3000 from Welger can be integrated in nearly every industrial production workflow process. These balers allow the segregated processing of many different materials directly at the place, where they are generated.

With the concepts for waste disposal developed by our engineers they are the most important components of intelligent waste logistics. Our customers can profit from many years of knowledge and experience won in nearly every type of trade and industry. This way comprehensive consultations by our engineers lead to individual system solutions.





SB 2500

The modular series.

In many different types of trade and industry waste materials are generated during the process of production, that have to be continuously collected and disposed. With the modular baler series SB 2500, Welger are able to meet these demands. The baler consists of a standard mainframe and is combined with different feeding devices that are optimized for this purpose.

Occuring recycling materials:

- Cardboard
- Big bags
- Plastic film
- Wrapping straps
- Sheets/stripes of paper
- Foam off-cuts
- Fleece materials
- Other special materials



SB 2500

The SB 2500 baling press is mainly used for the compaction of variable amounts of different materials that are generated as a result of special production processes.

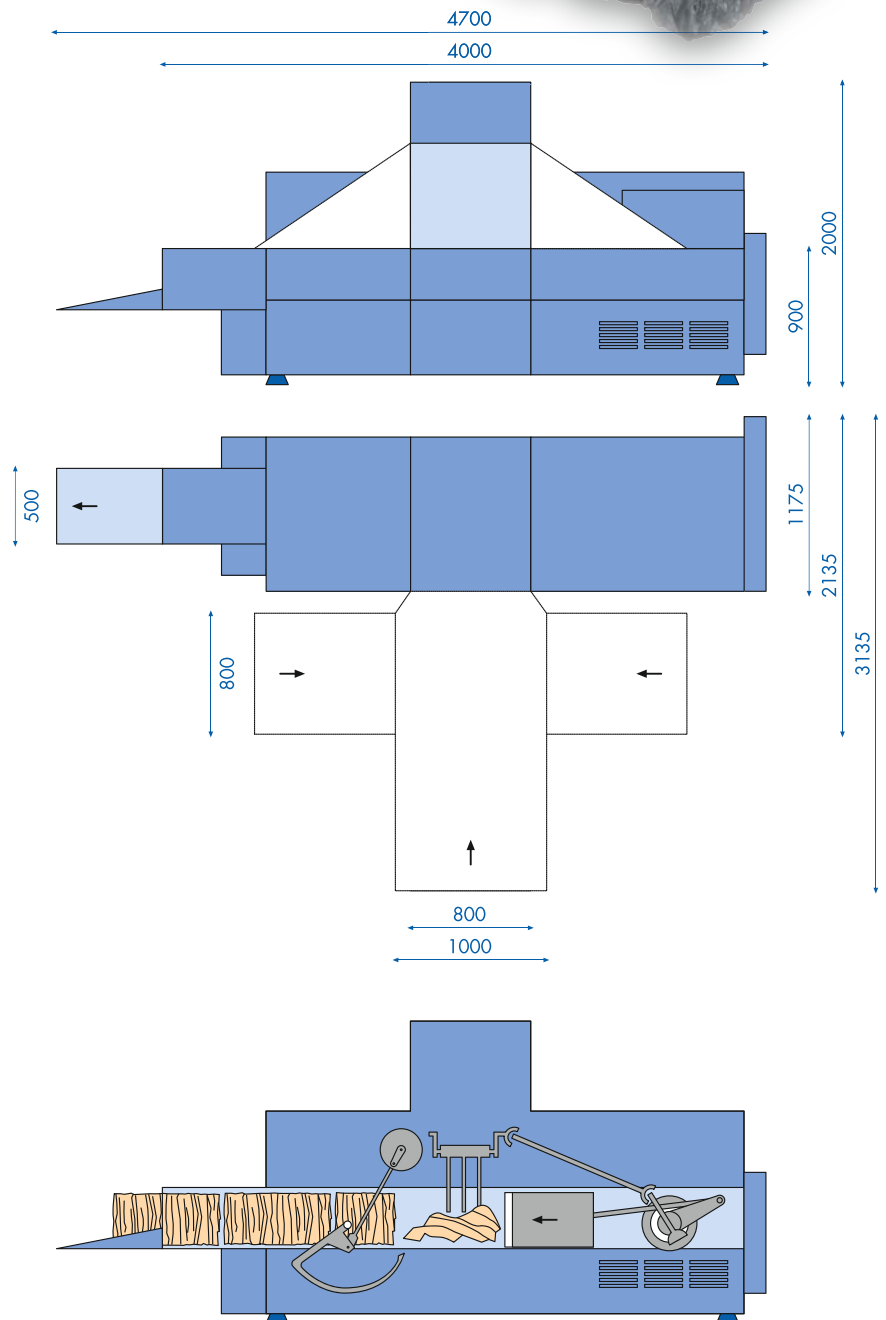
The baler is well suited for large volumes of cardboard and plastic film, big bags, stripes of film coming from production and processing, as well as PET bottles, fleece materials, corrugated board and other special materials.

The baler can be used universally, to be adapted to suit the conditions of the building and the different types of waste materials.

Based on the standard model SB 2500 the baling press can be delivered with different devices for automatic feeding, for example : conveyor belt, air conveyor, lifting and tipping devices etc. and can be easily integrated into production plants.

Explanation of the working method:

The SB 2500 is a baling press that can be fed continuously and it works fully automatically. The waste material is conveyed via a feeding hopper that is placed at the side of the baling channel. A „packer“ moves the material into the baling channel. Where the material is compressed by the action of the compression ram and when formed, tied twice fully automatically with wire. The bale length can be set infinitely from 60 to 120 cm.



Advantages at a glance:

- Extremely compact baler, flexible in operation because of modular concept
- Very robust and durable for a long and trouble free life
- Fully automatic working baling press
- Highly efficient operation due to low cost for tying material, storage, transport and disposal
- Easy to operate
- Improved hygiene conditions in warehouse and production
- Extremely safe operation



SB 3000

The most effective power from Welger.

The SB 3000 is a hydraulic baling press with a compact construction, giving high throughput for large volume materials. Forced intake of the materials to be compressed is done through a hydraulically driven packer. Depending on the individual requirements the baler can be fed manually or automatically.

The baler can be fitted with different automatic feeding devices. For example: belt conveyor, air conveyor, lifting and tipping devices and can be universally integrated into nearly every production process.

Occuring recycling materials:

- Cardboard
- Big bags
- Plastic film
- Wrapping straps
- Sheets/stripes
- PET bottles
- Fleece materials
- Corrugated paper
- Other special materials



Advantages at a glance:

- Extremely compact baler, flexible use
- Very robust and durable for a long and trouble free life
- Material feed via hydraulically driven „packer system“
- Fully automatic tying and baling process
- Highly efficient operation due to low cost for working staff, storage, transport and disposal
- Improved hygiene conditions in warehouse and production
- Extremely safe operation

SB 3000

The SB 3000 baling press is well suited by its construction to compact large sized waste materials, as they are generated. For example: big corrugated cardboard boxes in department stores and furniture warehouses.

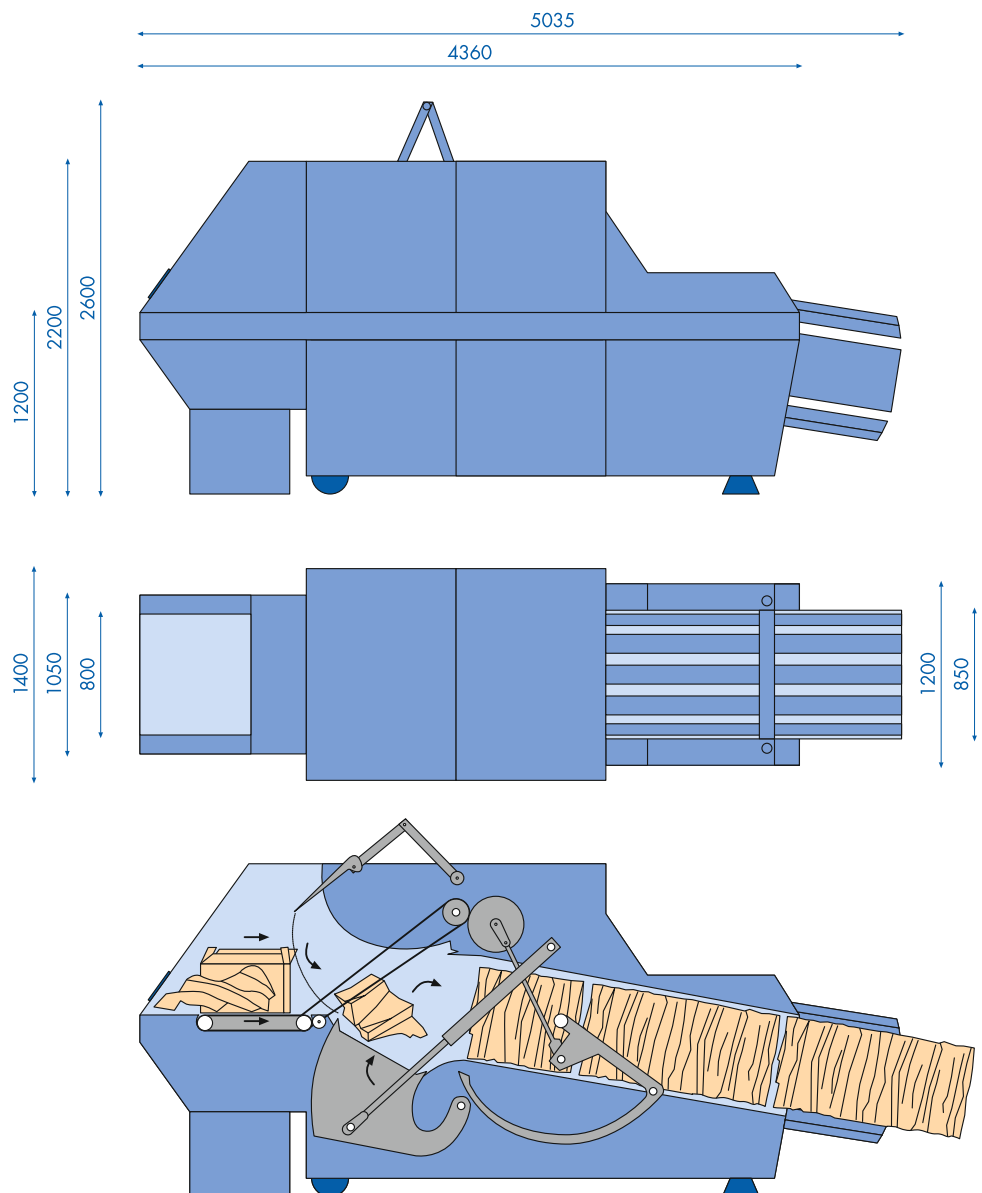
All components of the baler are designed to give a high throughput. Firstly the wide feed hopper, followed by the fully automatic wire tying as well as the powerful hydraulic system all machine parts are synchronised to work together, to reduce expensive working time to a minimum.



The construction principle of the Welger baling press SB 3000 is made to compress large cardboard boxes.

With the forced intake of the material a high throughput is obtained.

The machine produces evenly formed bales that can be easily stacked, ideal for loading, transport and marketing.



Explanation of the working method:

After having carefully segregated the waste, these materials can then be put into the feeding hopper of the press. The hydraulically driven packer automatically moves the materials to the bale chamber into the direction of the compression ram. This is already the start of pre-compression.

After at least five packer strokes, the ram swings upward and moves the baling material into bale channel. With the addition of more baling material continuing to be fed in, the bale is formed and pushed into four open loops of tying wire and automatically tied.

After the pre-selected bale length (800-1500 mm) is obtained, the finished bale is tied with four wires and with more material continuously being fed in, the tied bale is forced out of the baling channel.

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Technical Data

WELGER Horizontal Baling Presses

SB 2500

SB 3000

| | SB 2500 | SB 3000 |
|--|-----------------------------|----------------------------------|
| Length (without / with bale chute) | 4000/4700 mm | 5035/6235 mm |
| Width | 2100 - 3135 mm | 1400 mm |
| Height | 2000 mm | 2600 mm |
| Height of feed table | 900 mm | 1200 mm |
| Width of feed table | 800 - 1000 mm | 800 mm |
| Weight | 1950 kg | 3650 kg |
| Bale length, infinitely adjustable | 600-1200 mm | 800- 1500 mm |
| Bale width | 500 mm | 800 mm |
| Bale height | 400 mm | 700 mm |
| Bale weight, depending on baling material | 40 to 60 kg | 150 to 365 kg |
| Bale density, depending on baling material | 240 - 380 kg/m ³ | 180 - 435 kg/m ³ |
| Capacity / throughput | up to 2 t/h | up to 3 t/h |
| Pressing force | 7 t | 31 t |
| Specific pressure | 35 N/cm ² | 55 N/cm ² |
| Time per working cycle | 4.5 s | 11.5 s, depends on pre-selection |
| Tying material | baling wire, oiled | baling wire, oiled |
| Diameter of tying material | 2,2 mm Ø | 2.5 or 2.8 mm Ø |
| in coils of approx. | 40 kg | 40 kg |
| Consumption of tying material per ton of baled material | 3 - 4 kg/t | 2 - 3 kg/t |
| Diameter of coil | 340 mm | 340 mm |
| Height of coil | 155 mm | 155 mm |
| Three-phase motor/central hydraulic drive | 11 kW, IP 54 | 11 kW, IP 54 |
| Separate drive of tying device | – | 0.75 kW, IP 54 |
| Fuse, mains | 35 A slow | 35 A slow |

The electrical equipment corresponds to the VDE regulations. When connecting to supply the regulations of the relevant local authorities have to be observed. The power supply has to be secured on the building side as mentioned in the installation regulations of the baling press. Subject to alterations. The details and diagrams provided in this pamphlet are approximate and, apart from the standard scope of supply, may also include special accessories.
 (● standard, – not available, ○ optional)