

## BaleTainer® Fully Automatic. Comfortable. Reliable.

Economical disposal of cardboard, film and PET bottles.



# Optimisation of disposal logistics



## The operating principle

The material can be inserted manually or automatically into the BaleTainer®. Then it is conveyed into the press chamber and compacted by segments into bales. The finished bales are automatically tied and pushed out.

**1** The feed opening is 1.10m wide, 2.25m deep and enables easy and comfortable insertion of large cardboard packagings, film and emptied PET bottles, without pre-shredding.

**2** A swing arm pushes the material automatically to the rotor. The strong rotor conveys the material into the press chamber.

**3** The hydraulical operating press plate moves downwards and compacts the material with a pressure of 156t/m<sup>2</sup> which ensures very high bale density.

**4** As soon as a slice is finished, the machine pushes it into the discharge channel. The stackable bale is fully automatic tied and ejected.



## BaleTainer®

The BaleTainer® is a baling press, which automatically compacts the material into bales. Effortlessly and quickly high quantities of cardboard, film and PET bottles can be disposed of. With a surface of 156t/m<sup>2</sup>, the material is compacted into bales which can be directly marketed. Disposal processes are optimized economically and high revenues are achieved.

### Advantages at a glance

- Large feed opening
- Fully automatic compaction
- No operating staff needed
- Integration into running processes
- Continuous operation
- High revenues for mill-size bales
- 100% truck load
- Cost savings in logistics and personnel
- 40ft. HC container shipping possible
- Roof construction completely closed

### Technical data

Pressing force in t/m <sup>2</sup>	156
Machinery weight in kg	6.000 - 8.000
Bale weight in kg max.	ca. 400 (3 slices)
Bale dimensions in m	1,1 x 1,1 x 0,8 (3 slices)
Electricity supply	400V, 50HZ, 3ph



#### Easy operation

Depending on customer requirements, the external control panel can be set on filling or operating side.



#### Traffic-light system

By using the traffic-light system the status signal lamp shows the operating status of the BaleTainer® at a glance to the operator, e.g. the early notice of required wire change and bale discharge.



#### Wire inspection

The wire inspection avoids running out and time-intensive insertion of wire. The new wire coil can be placed easily and in time.

## Installation and filling options

Manual filling at ground level



Filling by means of a lift truck



Filling by means of a conveyor belt



Filling in wall connected hopper



Lifting and tipping device



Installation at a dock





## Continuous operation

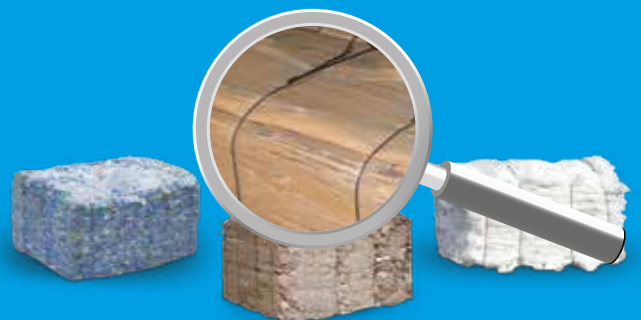
By using the ability of 24/7 full automatic operation the BaleTainer® can be integrated in fluent production cycles.

### Full automatic tying

In addition to the filling, also the tying is full automatic and safe. As soon as the bale is compacted, the tying process begins. Four wires surround the bale and prevent re-expansion. If the wire is nearly empty, you will get in time a notification to re-insert the wire.

### Consumable material – wire tying

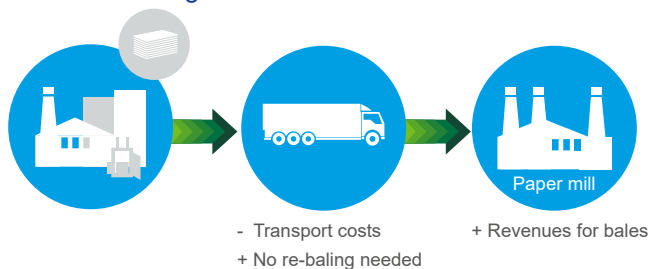
Wherever balers are used, tying material is required. Apart from spare parts we have all kind of consumables like strap, wire and bale clips. Our consumables are available on stock in Glandorf, Germany.



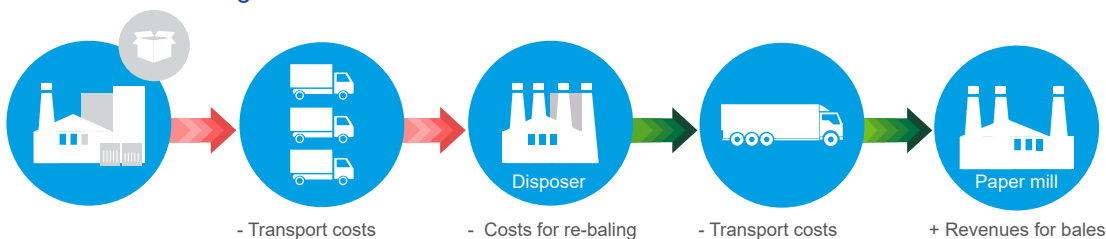
## 100% Truck load

Apart from the reliability of our machines quality of the bales is important for our customers. The higher the bale density the lower the transport costs and the more profitable results by selling the bales – no more costs for “waste”.

### Direct marketing



### Non direct marketing



## Higher revenues

The BaleTainer® bales offer all prerequisites for direct marketing. “Direct marketing” signifies the bales have the right size and weight to be directly sold to paper mills and recycling companies. Thus, the additional costs for „re-baling“ non direct marketable bales by a waste disposal company plus transport of these bales to such companies, are saved and higher revenues are achieved. The BaleTainer® bales are fully automatically wire-tied and able to be stored in stacks. Trucks and containers are filled to their optimum capacity. The number of journeys is reduced which leads to a proportionately less amount of CO<sub>2</sub> emissions and a massive reduction of transport costs. With a pressing force of 60 tons per slice the bales compacted with a surface pressure of 156t/m<sup>2</sup>. Other press systems achieve comparable bale densities only with a pressing force of 180t.

## Customer statements

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*"In Bürstadt where we handle the return shipments accrue about 1.200 tons of paper and cardboard. In the past we disposed of with three compactors which had to be picked up daily. Thus was really personnel and cost-intensive. In winter staff had to dispose via open doors. Meanwhile the amount of material increased. We dispose ca. 8 times / month 1 truck with 66 bales, in total 24.000kg per loading. The bales are marketed well. So we fully reached our expected savings. Our employees now work in the closed building, that increased their satisfaction and reduced sickness rate."*



*Horst Bucher, Technical Manager  
FIEGE Deutschland Stiftung & Co. KG.*

*"Due to the fact that the BaleTainer® even compacts large cardboard packagings without pre-shredding the risk of accident is considerably reduced. In addition the warehouse is in an atmosphere of order and cleanliness. The direct marketable bales achieve highest revenues and the compaction of cardboard packagings costs much less time thanks to the high throughput and operator friendliness. Kawasaki saves thousands of euros every year. After discussions with other companies we decided for the Strautmann BaleTainer® because of customer satisfaction, amortisation and the Strautmann service."*



*Mr. Van Honk, Warehouse Manager  
Kawasaki Motors Europe N.V.*

*"The decision for the BaleTainer® was based on the unique profitability. The payback period is less than two years. The bales are in great demand at the recycling market and we profit of high revenues."*



*Mr. Zachau, Project Manager  
ITG GmbH*

*"In the past, our experience with Strautmann was always good. Best bale quality, high degree of operational safety and fast service are the key factors. The BaleTainer® now tops it all: it makes waste disposal extraordinarily economic."*



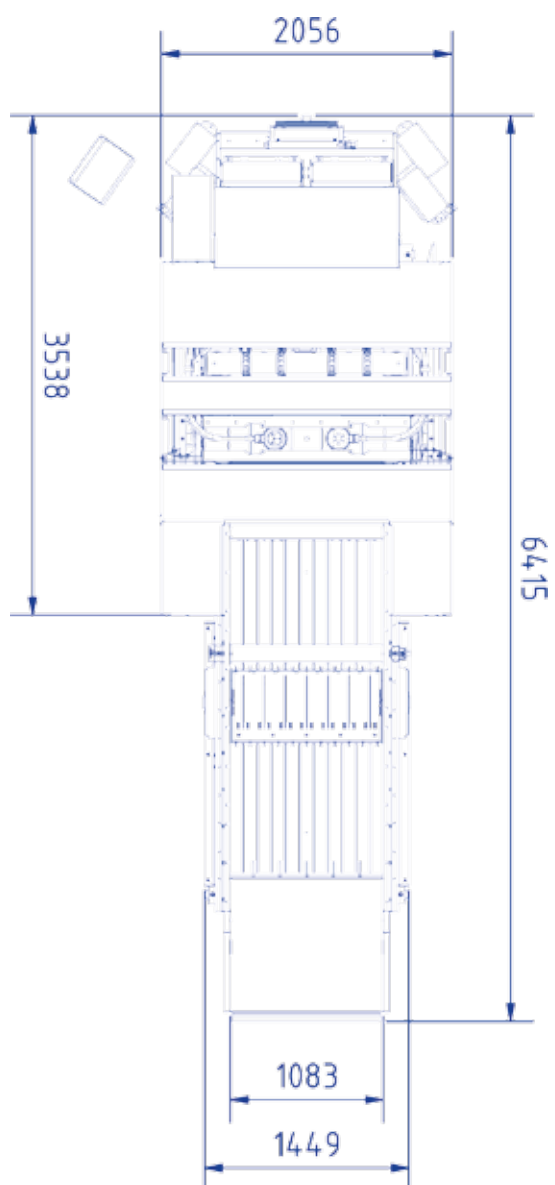
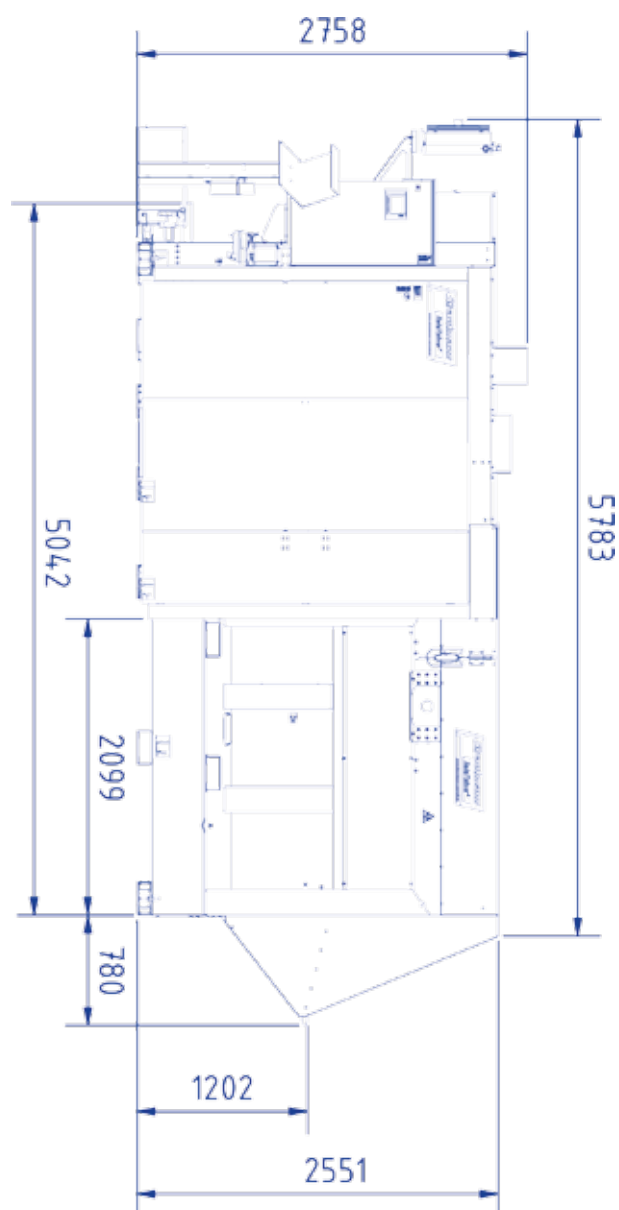
*Mr. Zachau, Project Manager  
ITG GmbH*

*"For the compaction of our cardboard packaging we also decided for Strautmann Umwelttechnik (BaleTainer®). Due to the higher bale density, a larger quantity of waste can be processed and significantly higher revenues are achieved. Furthermore, less staff is required. The compact design of the Strautmann machine also played an important role – due to the comparatively small dimensions, nothing stood in the way of integration into the production process."*



*Mr. Kirstgen, Head of Recycling Centre  
Gerolsteiner Brunnen GmbH & Co. KG*

## Dimensions



Strautmann Umwelttechnik GmbH  
Heidestr. 9, 49219 Glandorf



+49 (0) 5426 80777-0



[info@straumann-umwelt.com](mailto:info@straumann-umwelt.com)



[www.straumann-umwelt.com](http://www.straumann-umwelt.com)