

Project report



BaleTainer®

Compaction of cardboard packages at the full-service logistician ITG GmbH





ITG GmbH expands and optimises the internal logistics

By services in the areas of transport, storage and commissioning in combination with comprehensive additional services the full-service logistician covers all areas of modern procurement, contract and distribution logistics.

Strautmann’s **BaleTainer®** is charged with cardboard packages from three floors via a duct and compacts them fully automatically to become directly marketable bales. Those bales are taken to a paper mill directly on a lorry every week.

Figures and facts	
Type of machine	BaleTainer®
Erection	In-house below a duct
Operation	2-shift
Pressing process	
Charging the press chamber	Slide shaft
Strapping	Fully automatically by means of wire
Charging the press chamber	Fully automatically
Control of the pressing process	Fully automatically
Discharge of bales	Fully automatically
Contact pressure per unit area	Approx. 1,600 kN/m²
Bale goods	
Recyclable material	Cardboard
Quantity of material	approx. 1,500 t/year
Bale density	Up to 550 kg / m³
Transport capacity	24 t

Before



- High degree of in-house logistics

Cardboard packages were transported from the collection points on three floors to the bale presses.

- Manual charging

The press chamber was charged with cardboard packages manually.

- Manual strapping

As soon as the bales had been completed, was strapped manually.

- Manual bale removal

Bale removal had to be started manually. By means of a hydraulic bale ejector the bale was directly thrown onto a pallet.

Afterwards



+ Low degree of internal logistics

Via the charging duct the recyclable materials get into the **BaleTainer®** directly.

+ Automatic charging

The recyclable materials are conveyed automatically through the slide shaft via the rotors into the press chamber

+ Automatic strapping

Bales are strapped automatically with wire as soon as the "slices" are completed.

+ Automatic bale output

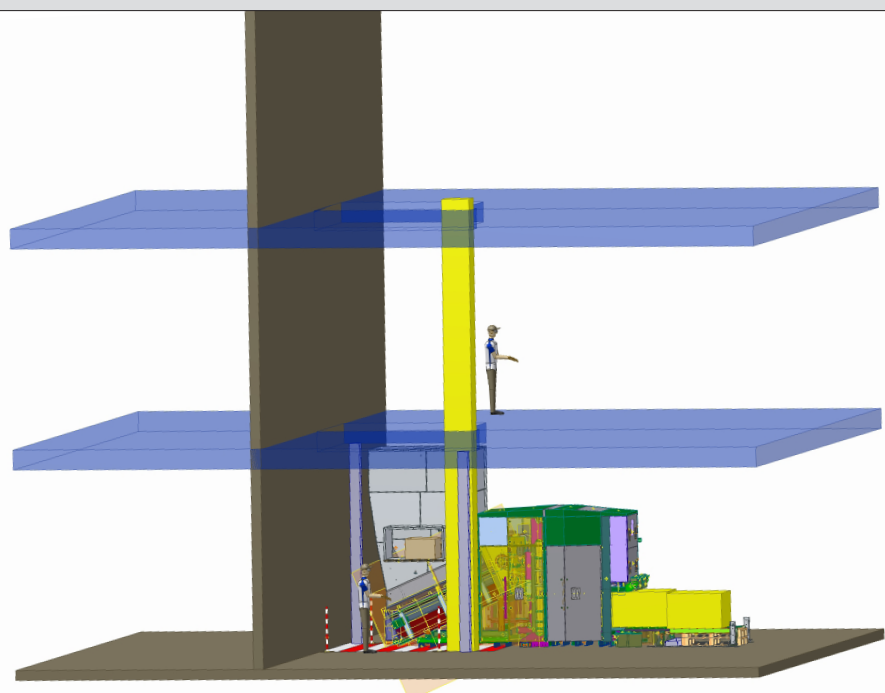
Owing to the following „slices“ the bale is pressed out of the bale channel automatically and can be removed then. The pressing operation is independent of this.

Project drawing

2nd floor

1st floor

Ground floor



Customer Opinion

“In the past, our experience with Strautmann was always good. Best bale quality, high degree of operational safety and fast service are the decisive factors. The BaleTainer® now tops it all: it makes waste disposal extraordinarily economic”, says Gunter T. Zachau, project manager with ITG GmbH.



Cardboard

Example: due to the comprehensive range of services different cardboard packages occur.

- Quality of cardboard packages: 1.04
- Annual quantity: approx. 2,500 t

Feeding hopper

The feeding hopper extends to three floors and can be filled on each floor. The cardboard is thrown in and falls directly into the **BaleTainer®**. Contact strips provide for the relevant safety.

- Easy throwing-in
- Direct filling of the **BaleTainer®**



Best bale quality

Thanks to its unique compaction principle and the compact construction the **BaleTainer®** reaches highest surface pressure and therefore high bale densities. Ideal prerequisites for direct marketing of the bales.

- Bale density up to 550 kg/m³
- Innovative press principle by slice technology