

Dispose yourself lean:
Mineralbrunnen Überkingen Teinach
talks about the recipe of success



**'Reliable and automated
disposal of PET bottles.'**

'Time and energy-saving disposal'

*'We chose the Strautmann machines, because we wanted to **reduce the expenditure of time and energy**. Since then we have significantly **less transport routes** – and loading is not needed anymore.'*

*Michael Schanz, Plant Manager
Mineralbrunnen Teinach GmbH*

Lean disposal

For the Mineralbrunnen Teinach GmbH it was important to **optimize the disposal processes**. The solution: One **LiquiDrainer** and two **briquetting presses** for a **reliable and automated disposal**. The result: Due to the integration of the machines into the production **time and costs are saved**. The internal handling has been reduced to a minimum. Now we are 'lean'.

Emptying of full PET bottles

Full PET bottles are disposed of with the LiquiDrainer. Full PET bottles which past their best-before-date are collected in small containers and inserted by lift truck into the LiquiDrainer. The PET bottles are **emptied and savely devaluated**. The now empty PET bottles are transported from the discharge onto the conveyor belt of the BrikPress and then **compressed into briquettes**.



Fully automatic disposal concept for empty PET bottles

According to strict rules in the beverage industry only bottles with 100% perfection can be filled and sold. In the production of Mineralbrunnen Teinach GmbH already slightly **damaged bottles** are automatically **removed from the production process**. These bottles are transported on a conveyor belt through a shaft into the next hall. There the Strautmann **briquetting presses** are ready for use. The **empty PET bottles** are directly transported into the presses and **compacted fully automatic and economical**.

BrikPress channel system

The strong pressing force of the BrikPress ensures highly compressed **briquettes**. These briquettes are **transported outside via channels**. Therefore **no additional energy is needed** because the briquettes are pushed out by the following briquette. Arrived outside, the triple distributor distributes the briquettes in the container. When a container is full, the logistic department gets a message and can order the collection. **This process saves energy and time.**

Advantages at a glance

- High reliability
- Continuous operation
- Time and cost savings



**'Guaranteed
reliable'**

'We looked for a partner who automates our disposal and guarantees us reliability.'

*Michael Schanz, Plant Manager
Mineralbrunnen Teinach GmbH*



Automatic briquette distribution on three containers

About Mineralbrunnen Teinach GmbH

Mineralbrunnen Teinach GmbH is a company of Mineralbrunnen Überkingen-Teinach GmbH & Co. KGaA. The regional brand company produces mineral water and sweet drinks. More than **160 million bottles** a year **are filled** on a production area of about 2.500m². These bottles are sold to the beverage wholesale trade or food retail. The company **now compacts the PET bottles with three Strautmann machines.**

'Strautmann offered us an optimal
disposal solution on which we can rely!'



Michael Schanz, Plant Manager
Mineralbrunnen Teinach GmbH

Previous disposal

Before the PET bottles were disposed of by a **perforator** and a **channel baler**. The two systems **stood very far away from the production**, thus the Mineralbrunnen Teinach GmbH had **long transport ways** and a **high in-house handling**.

Output of filler and blowing machine was collected in containers and driven by a **forklift truck outside** to the disposal site. The bottles were then thrown into the perforator and thus pre-compressed and emptied. Via an air transport the presorted emptied bottles were blown into a channel baler.

The PET bottles were pressed into **large bales**. The bales then **had to be stored**. If enough bales had been collected for a truck, the bales had to be picked up from the disposer. This was also a **time-consuming step**, because the bales had to be charged.



Strautmann Umwelttechnik GmbH
Heidestr. 9, 49219 Glandorf



info@strautmann-umwelt.com



+49 (0) 5426 80777-0



www.strautmann-umwelt.com