



8. Store of containers with alternative fuels and the travelling car with a dumping frame.



### Representative references:

Cement Hranice, a.s. Hranice, CZ

Dyckerhoff Zement GmbH, Wiesbaden, D

#### **SCHENCK s.r.o., Praha, CZ**

Českomoravské vápno s.r.o., Mokrá, CZ

Českomoravský cement, a.s. – závod cementárna Mokrá, CZ

Českomoravský cement, a.s. – závod cementárna Radotín, CZ

Východoslovenské stavebné hmoty, a.s., Cementáreň

Turňa nad Bodvou, SK

Povážská cementáreň, a.s. Ladce, SK

Holcim (Česko), a.s. Prachovice, CZ

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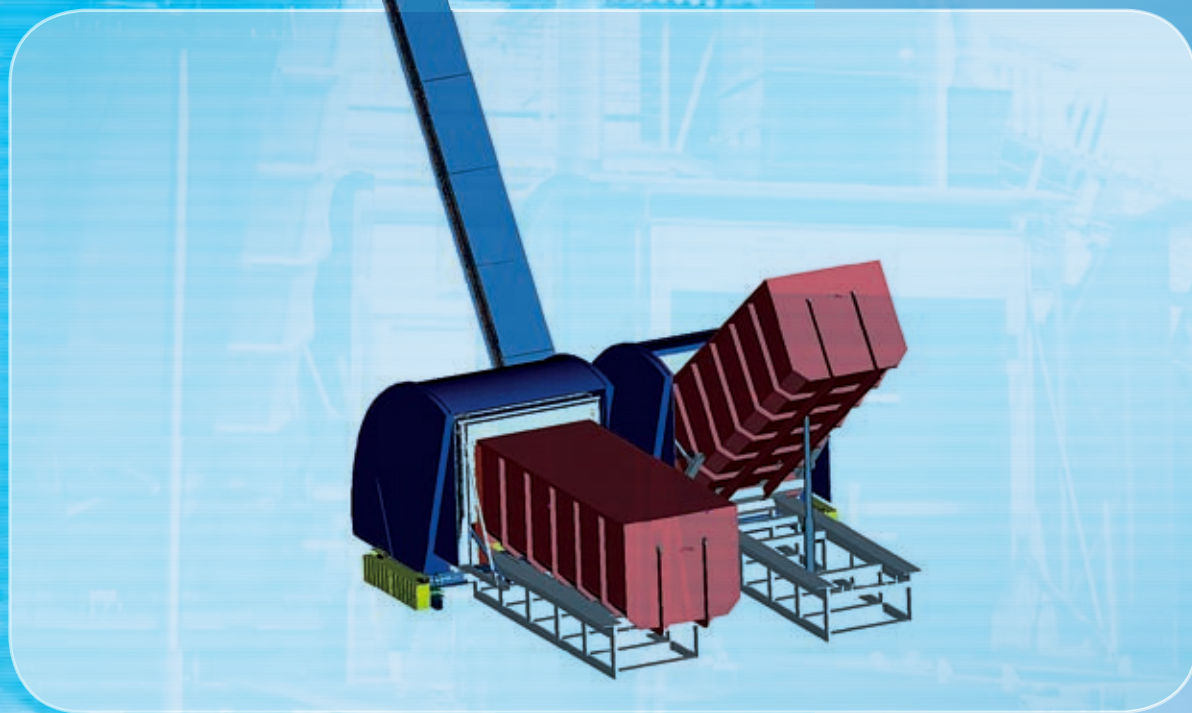
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Reception, transport and dosing of alternative fuel



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## Reception, transport and dosing of alternative fuel

Incineration of alternative fuels in cement works and power stations presents an efficient way of utilization and disposal of dangerous waste. Besides the environmental aspect there is inconsiderable economic gain for a plant operator which results from replacement of traditional fuels by alternative ones.

Raw materials for alternative fuel preparation are select kinds of waste: eliminated tyres, sorted plastics, bone-dust or contaminated soil. These wastes represent a great ecological impact and their safe disposal in any other way can be very problematic.

Alternative fuel must be fed to the incineration process in a suitable grain size and a proper volume. The grain size is provided by alternative fuel suppliers who crush the waste and transport it in semi-trailers with walking floor or in standard dumping containers.

Reception and transport of alternative fuels are provided by transport lines, some of which were developed together with Schenck spol. s r.o. Praha. Alternative fuels are delivered either by pneumatic transport to a combustion nozzle in a furnace or by mechanical transport to a foot of a sintering furnace. The transport lines consist of different components which are shown in the following pictures.



1. Reception station for containers and the chain conveyor. The reception station consists of a sheet box, a four-screw conveyor and a platform with a dumping frame. Material from the container is poured to the four-screw conveyor (see picture No. 4) and then transported by the chain conveyor. Two stands.

2. Reception station for containers and the chain conveyor. Three stands.

3. Reception station for containers and the chain conveyor. Tilting roof.



4. Four-screw conveyor of the reception station.
5. Reception station for semi-trailers with walking floor and the chain conveyor. The reception station consists of a sheet-box and a four-screw conveyor. Material is poured out from the semi-trailer to the four-screw conveyor and further to the chain conveyor. Two stands.
6. Reception station for containers and the chain conveyor. One stand.
7. Reception station for containers with crushed rubber and the travelling chain conveyor with a rubber belt. The reception station consists of a platform with a dumping frame. Crushed rubber pours from the inclined container to the chain conveyor which transports it to the following transport system for delivery of crushed rubber to a foot of a sintering furnace. Three stands.

