

# Stone Industry



## The TITAN difference

Transport securing for stones  
and building materials



Celebrating difference. Exploring our own paths. That is our philosophy, the driving force behind all we do. These ideas inspire us to question standards and to raise the bar for our customers. So that cargo worldwide is secure in transit.

High stability for large loads: tiles, asphalt plates, sand lime bricks or pre-cast concrete blocks are a big test for strapping technology. Effective technologies from TITAN show their class here every day. Our facilities for the construction materials industry have a high degree of automation and make it possible for the strapping to perform optimally even under considerable shock loads.

Whether horizontal or vertical strapping – or both together: TITAN develops and realises all the components for a system solution. We offer our customers an optimally coordinated range of products, from complete strapping facilities with measurement and feeding equipment up to special PET packaging banding. The quality of all these systems is in our own hands. That makes the difference.



## Sensitive heavyweights

## Stabilising sand lime brick packages



Transport securing for sand lime bricks is a real challenge for strapping technology. The high weight and the sensitive surfaces and edges of the stone demand flexible stabilisation during storage and transport.

While strapping with steel bands was standard in such cases in the past high quality plastic banding and machinery from TITAN now ensure transport security and considerable costs savings. Double head facilities with VK-10 aggregates strap the sand lime

bricks packages horizontally and vertically. The PET banding used for this is produced by us and demonstrates outstanding expansion characteristics while retaining strong resistance to snapping.

## Endurance tests

## Efficient concrete plate strapping

In use everywhere and in strong demand: flagstones, paving stones or concrete plant containers are secured for transport using TITAN facilities here. The heavy materials require strapping technology which is distinguished by its resistance and flexibility to shocks during transport. Because after all, the stones also have to look good afterwards.

The VK-10 strapping machine from TITAN straps the stacked stone blocks horizontally and vertically with plastic banding and finally places them on pallets. The throughput performance of the facility is remarkable which is also possible in combination with particularly efficient strapping.



Plenty of coal

Complete systems  
for strapping  
brown coal briquettes



When making briquettes brown coal is chipped, dried and pressed with a pressure of about 1000 bar. The dusty production environment and the special characteristics of the end product place high demands on the strapping and packaging technology.

And that's not all: the complex manufacturing process cannot simply be stopped if the strapping technology fails – any briquettes remaining unpacked if this happened would be useless. Here TITAN facilities have proved their reliability for decades.



Briquette pallets are strapped with a weight between 10 and 25 kilograms. As a plus for the end consumer the packaging band for the 10 kilogram packages also serves as a carry handle. The 25 kilogram briquette pallet can be stacked for storage and is wrapped with cling-film before being horizontally and vertically strapped.

With 30 plastic banding machines TITAN guarantees continual packaging of about 2000 tonnes of household briquettes a day – and thus provides a secure conclusion for the whole production process. From facility technology up to polypropylene packaging banding produced especially for briquette strapping, all components are made by us.



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