



WKB

Automatisation of sand lime bricks packing line

The automation solutions of WKB Systems significantly improve the productivity as well as the profitability of your plant. One of the proved solutions for the production of sand lime bricks is the automatization of the packing line with an industrial robot.

Thanks to its flexibility the industrial robot not only automates but also optimises the production processes. The robot is equipped with a special gripper that manipulates sand lime bricks and pallets of various sizes. So there is no need for any readjustment on the gripper in case of a brick size change. In such a way individually assembled packing units are formed in a continuous and smooth production process.

Technical process

One part of this line is an upstream compacter. In order to minimise the gaps between bricks the upstream compacter pushes the bricks together on a hardening trolley right before they are picked up with the robot.

The industrial robot takes sand lime bricks from a hardening trolley according to a particular batch scheme and places them on a. In case of a brick format change the surplus sand lime bricks are placed on a temporary storage table to be packed as far as the production of bricks with the same dimensions starts. So there is no need to take any manual action after the production start of a new brick format.

Finally, the palletised shipping packages are fitted with various transport safety and securing features. Vertical and horizontal strapping systems are used, which automatically provide the various packages with strapping bands. As weather protection, a stretch hood is used, providing the package with additional stability.

Innovative solutions of WKB Systems for your success

The obvious advantages of the packing line automatization are noticeable increases in the productivity and product quality as well as the highest technical and economic efficiency of the sand lime bricks production.



Watch a video





WKB Systems: Innovation made by experience

WKB Systems is a medium-sized company headquartered in Hörstel, North Rhine-Westphalia, Germany. We are specialists in developing and manufacturing systems, machines and plants in the areas of building materials production, forging automation and special machine construction.

WKB Systems brings you customized machines from standardized solutions through to individual one-off productions. Our 100+ team of specialists develops individual solutions and concepts to meet your requirements.

We offer our international customers:

- reliable service
- best product quality
- innovative conceptions

True to our philosophy, „Innovation made by experience“, we answer our customers' needs by designing innovative systems thought out down to the very last detail.

Both the effectiveness and cost-efficiency of our production sites, as well as the quality of our products, have been just as decisive for our success so far as our reliable and partner-oriented collaboration with our customers. The success of our customers is our top priority: we offer you numerous specialised machines to enhance your competitive value.

Plant modernisation is also a further priority: we ensure a higher product quality and more effective work processes in your plant. WKB Systems offers you high-performance, reliable and maintenance-friendly (specialised) machines with coordinated and highly innovative technologies for the production of building materials and for forging automation.

We are your partner! Our goal is your success!

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