



# WKB

## Green cake separation machine

The Autoclaved Aerated Concrete (AAC) blocks tend to stick together during the autoclaving process despite the production in compliance with strict conditions and recipe specifications. This can often create a significant amount of waste. In order to counteract this, WKB Systems recommends the use of a Green cake separation machine (GSM). This may be used between the removal of an AAC cake from the cutting line and setting down on the autoclave carriage. In order to be able to tailor individually customer needs, WKB Systems have a number of GSM variants on offer:

- As a smart design integrated in the gripper, it separates all neighbouring bricks at their broad cut surfaces wherever an autoclave pallet is used.
- A stand-alone machine is recommended when using an autoclave grate.

### Technical process

The autoclave grate with a green cake is put with a gripper onto the GSM. The grate is centred when lowering onto the GSM, so that the cake is placed precisely on the separation trusses. The separation trusses are arranged beforehand depending on the block format. Now, the individual trusses are sequentially moved by a few millimetres, so that gaps arise between the individual rows of AAC blocks.

After the separation process and before transport by the portal system, the autoclave grate lying below the separation trusses is cleaned of fallen debris using an air blaster. After the discharge of the autoclave grate with the separated aerated concrete cake, the separation trusses are cleaned with a steerable, rotating brush.

### Innovative solution of WKB Systems for your success

Thanks to the use of a Green cake separation machine the bonding of autoclaved aerated concrete blocks during autoclaving process is significantly minimised. As a result the output increases noticeably that positively affects the profitability of an autoclaved aerated concrete plant.





## 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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