

**DKX**  
Twin-shaft batch mixer

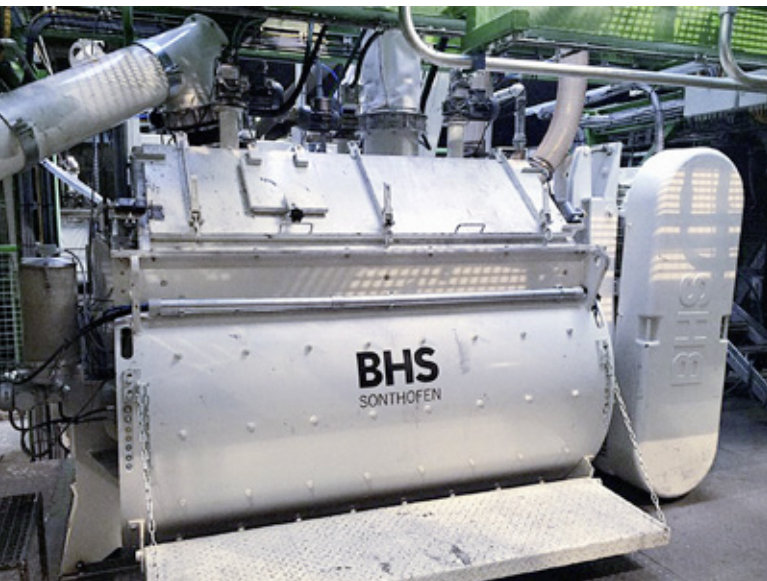
For concrete paving blocks

TRANSFORMING  
MATERIALS  
INTO VALUE**The new concrete block mixer is a convincing product**

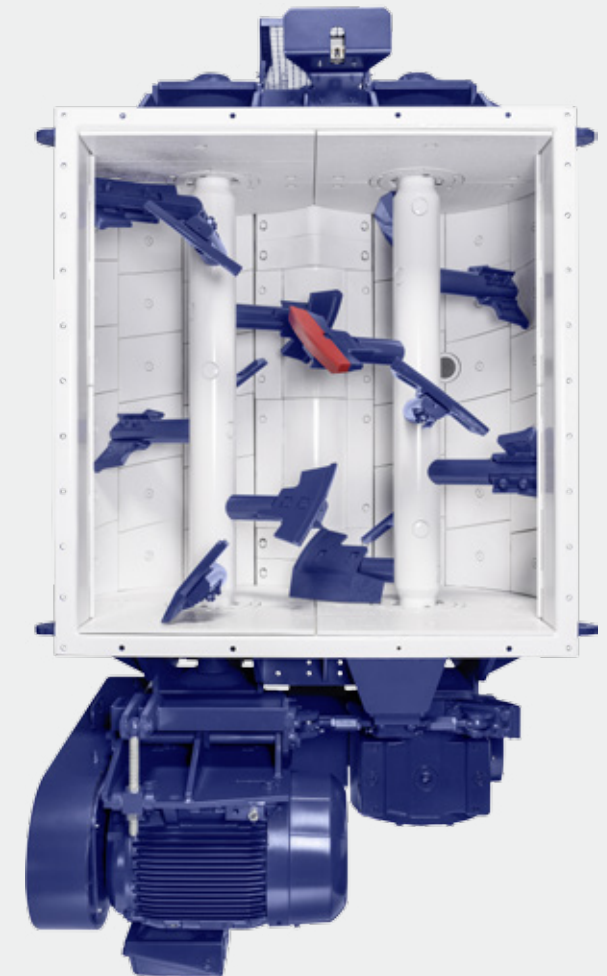
Excluton is the first manufacturer in Central Europe to use a BHS-Sonthofen mixer before a block press, making it a pioneer in the industry. "In the past, we had to discard many blocks. Using the BHS twin-shaft batch mixer has reduced rejects by more than 30 %. The press operating time has increased from 18 to 22 hours. Today we are producing more blocks of better quality," the production manager sums it up. The project once again shows that you can only be one step ahead of the market if you have the courage to optimize your own processes.

The concrete block mixers of the DKX series are available with immediate effect, with a capacity of 500 to 9,000 l.

Twin-shaft batch mixer at the Excluton concrete block factory in the Netherlands

**BHS-Sonthofen worldwide**[www.bhs-sonthofen.com](http://www.bhs-sonthofen.com)

08.2016\_EN | © 2016 BHS-Sonthofen GmbH – All rights reserved.



## REDUCING REJECTS AND INCREASING OUTPUT

### New concrete block mixer produces top-class concrete for the top layer

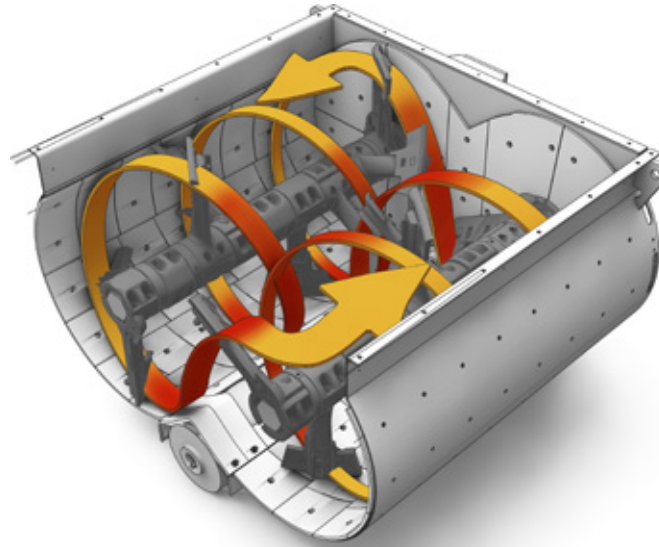
Rejects cost time and money. But does this not also signal a certain potential for optimization at the start of the production chain, when the concrete is being mixed? And what benefits do concrete block manufacturers gain from a mixer developed especially for the production of concrete blocks?

The CEO of Excluton, one of Europe's largest concrete block manufacturer, knows this very well, as he has recently started using the new BHS-Sonthofen concrete block mixer.

### The decisive factors are the homogeneity of the mixture and the time factor

Many manufacturers of concrete blocks doubt whether a twin-shaft batch mixer would also be suitable for the particularly high requirements of the top layer. "Our greatest challenge is to find a mixing system that produces extremely homogeneous concrete within the shortest possible time. This is the only way in which we can produce top-class concrete blocks, 22 hours a day and six days per week," the production manager at Excluton states.

A subsidiary of Excluton has been operating BHS twin-shaft batch mixers for several years and has thus long been won over by the unique, three-dimensional mixing principle of the BHS mixer and by its reliability. Together with the Dutch company Loke BV, BHS-Sonthofen successfully managed the project of converting the existing system for the filigree top layer.



Three-dimensional mixing principle of the DKX

### A modified twin-shaft batch mixer especially for the concrete block industry

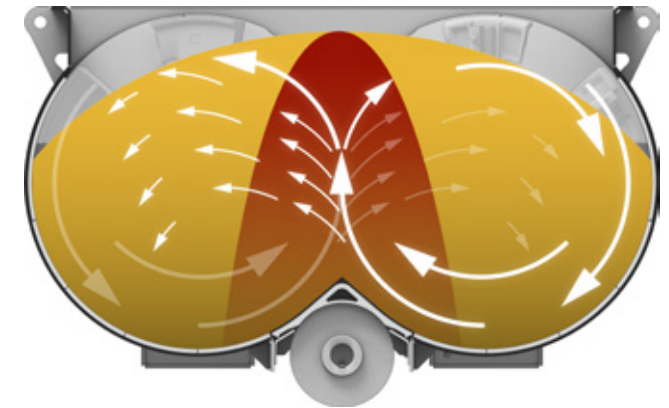
After weeks of intensive cooperation, the BHS twin-shaft batch mixer had been modified step by step, so that it accurately matched the requirements for the top layer of concrete blocks. The result is a special mixer configuration for concrete blocks within the DKX series with an adapted speed, accurate humidity measurement and water dosing, as well as a smooth mixing system and a high-pressure cleaning facility.

Following successful testing of the mixer, three other product lines have now been equipped with BHS-Sonthofen twin-shaft batch mixers.

### Advantages of the DKX concrete block mixer by BHS-Sonthofen

In comparison with conventional mixers used in the concrete block industry to date, the DKX offers several advantages:

- » More intensive material exchange due to the three-dimensional mixing principle
- » High homogeneity of the mixing product – batch by batch
- » Shorter mixing times with lower energy requirements
- » High operating safety and machine availability
- » Reproducible recipes
- » Complete emptying within a very short time
- » No undesirable agglomerations



Mixture movement of the DKX