

On-line inspection of the dimensions of sand-lime bricks

After pressing the sand-lime brick blanks are placed onto a hardening carriage. Even smallest changes in the mixture, moisture, or in the pressing force lead to undefined growth of the bricks and make it difficult to observe the required brick height. A non-contacting laser-optical measuring system with down-stream evaluation logic is installed above the conveyor belt. This system measures the brick height and allows automatic signalling and sorting of the products that exceed the upper or lower tolerance limits. The limit values are entered by means of a hand-held keyboard. Actual values and setpoint values are indicated on a digital display. The sensor is protected by a protective enclosure with compressed-air connection, which makes it possible to also use the system in a rough environment.



Technical details

- Measuring range: 0 - 500 mm
- Resolution: 0.1 mm

Ambient conditions

- Temperature: 0-40 °C
- Environment: dirt, dust

System configuration

- ILD2010-500 sensor
- PS4-200 evaluation logic

Reasons for system selection

- Non-contacting brick height measurement
- Large basic distance
- Easy installation and operation
- Sturdy and reasonably priced system design
- The possibility of adaptation makes the system independent of press type and press make

