

masa

Milestone to your success.

Masa Optical
Quality Control System

Quality in Focus

Contactless Inspection and Measurement



Define quality!

Our system is your discerning eye in production:

- Measure product heights
- Detect product defects
- Optimise processes

You define the tolerance limits – our system checks your freshly produced concrete products directly behind the machine while production is running: quality control without loss of time!

Reduce your rejection rates by correcting processes early on.

With a sharp focus on precision and accuracy:

- Height measurement accuracy +/- 0.5 mm (product height 25 - 500 mm)
- Detection of surface defects from a size of approx. 1 mm²
- Detection of lifted areas on the surface with a height difference of about 0.5 mm
- Detection of fine cracks from a width of approx. 0.5 mm
- Differentiation of surface defects and impurities
- Detection of cement balls
- Classification of defects

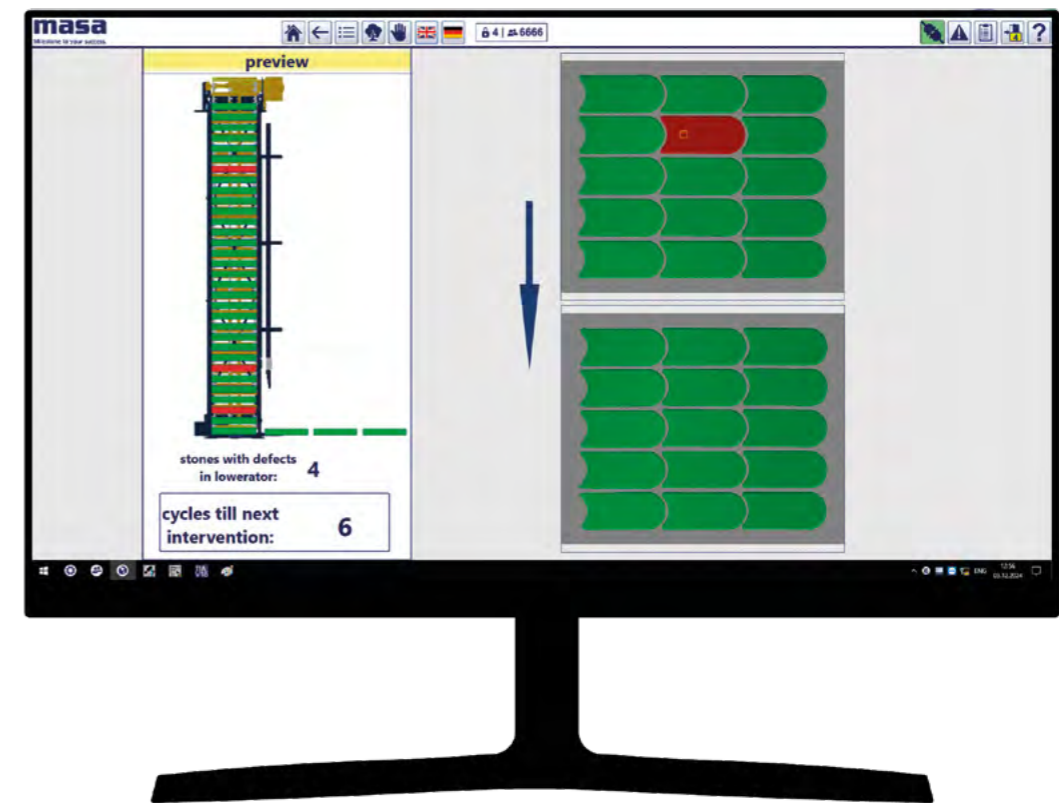
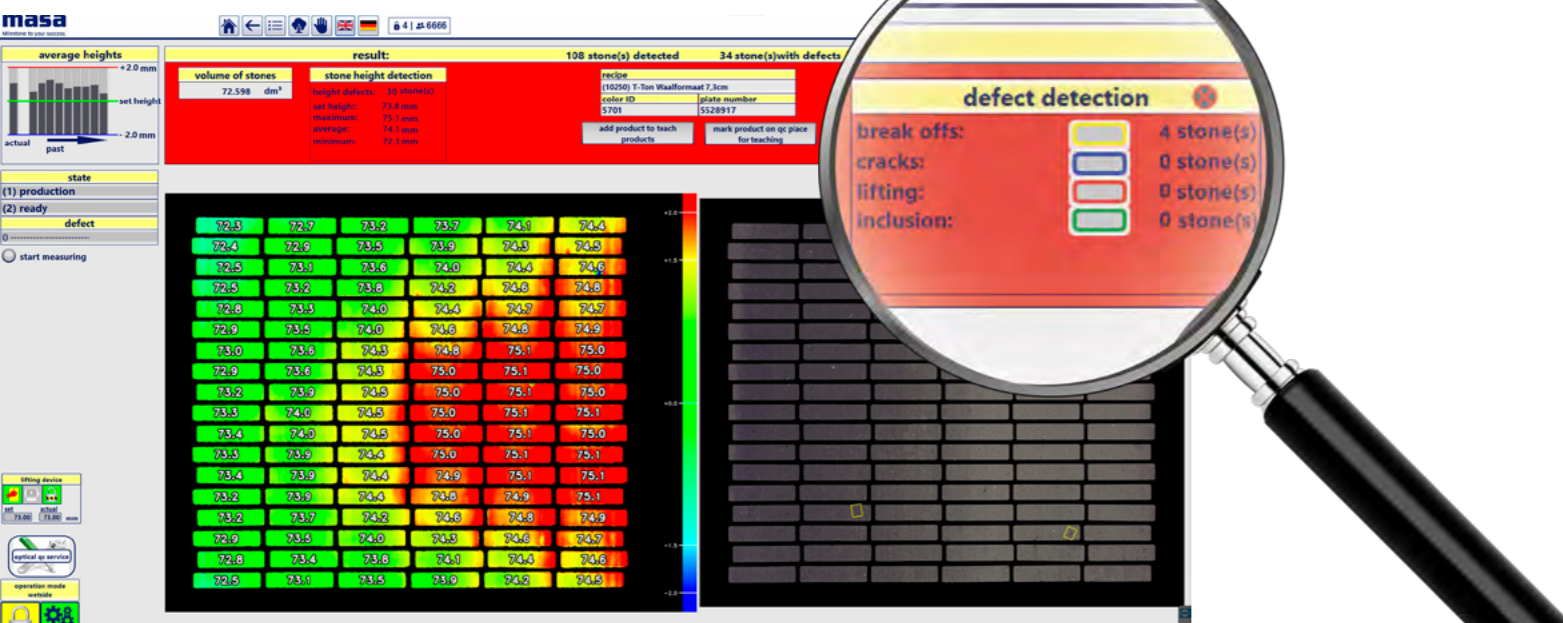
With AI-supported evaluations and differentiated visualisation in the Masa plant control system, it has never been easier to optimise your production, reduce reject rates and plan necessary QA interventions on the dry side with an eye to the future.

Rely on innovation and give yourself a decisive competitive advantage!

OUR SOLUTION FOR YOUR OPTICAL QUALITY CONTROL

- Slim design
- 3D surface scanner
- Optical camera system with line lighting
- Distance measuring system wet side conveyor
- Optional scanner for special products

Result screen Defects: Colour coding for each defect type



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Make the best of synergies

Exploit the full potential of your Masa Block and Paver Making Machine! Set new standards in quality control and benefit from the synergies of the new Masa Optical Quality Control System in combination with the Masa Plant Control System.

- **Digital Tracking:** Seamless product tracking via digital board ID and data telegrams with all relevant product information and quality status. Keep an eye on all production processes at all times!
- **Preview Function:** Proactive quality monitoring including a preview function on the dry side and individual programmable measures such as indicator lights or automatic stops with release requests. Streamline your processes and staff scheduling!
- **Recipe Management:** Centralised input of product-specific defect tolerances into the extended recipe section of the Masa plant control system. Make adjustments flexibly as needed!
- **Surface inspection of the production boards:** Inspection of the empty production boards for defects using the optical sensors. Give your products the best basis!

- **Raw density evaluation:** Calculation of the average raw density of a product layer (only possible in combination with an optional device for measuring the weight of the empty and full production boards). Always check the quality of your production!

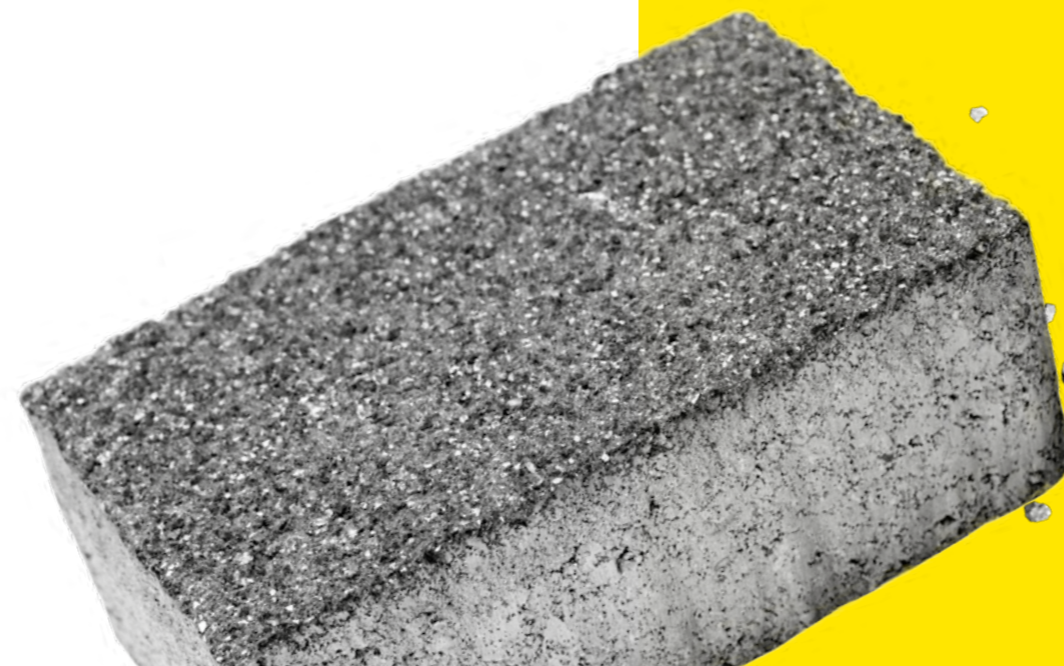
Set new milestones in quality assurance - efficient, precise and future-proof!

Pure height

Would you prefer to concentrate on the height of your concrete products first?

Our new inline Height Measurement System scans your blocks and pavers as they pass through the wet side transport system, ensuring accuracy as well as detecting simple surface defects.

Flexibly expandable to meet your needs. We will be happy to advise you!





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Our team is at your side with individual advice to find the best solution for your quality assurance!



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Feel free to contact one of our locations in your time zone. We have provided you with the contact details on our website.

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