

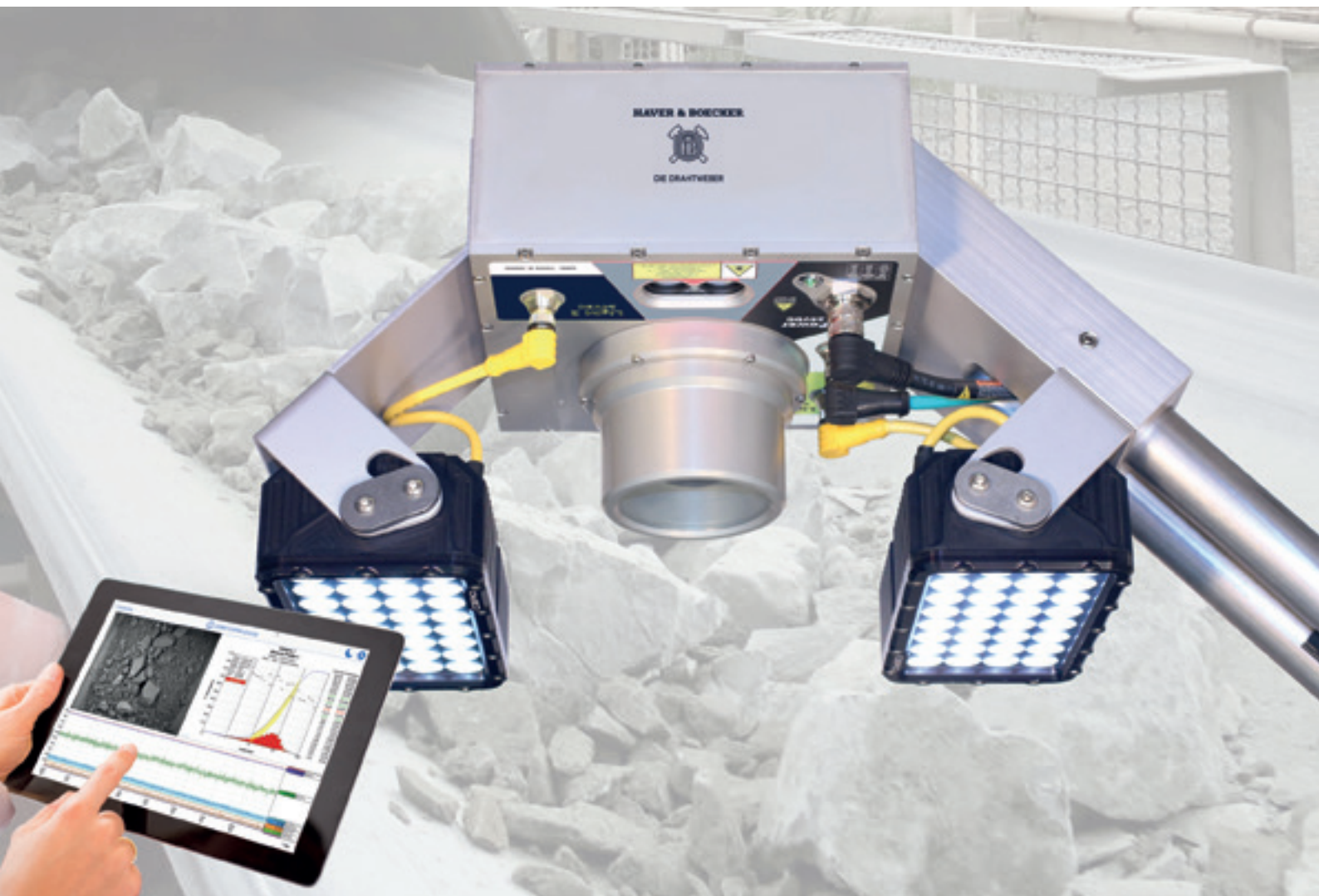
**HAYER & BOECKER**



**DIE DRAHTWEBER**

## **HAYER SOLO<sup>M4</sup>.**

**MEASURING, MONITORING AND DOCUMENTING PARTICLE SHAPES AND SIZES ON BELT CONVEYORS IN REAL TIME.**



# HAYER SOLO<sup>M4</sup>.

**Autonomous, mobile system for automated real-time analysis of bulk materials on belt conveyors.**

The HAYER SOLO<sup>M4</sup> is used for automating size and shape analysis on conveyor belts. It is for all unconsolidated materials and can be used very flexibly thanks to its compact and robust design. Space requirements are minimal and intervention in existing process chains, for example by samplers, is not required.

## Function:

The HAYER SOLO<sup>M4</sup> is a „plug and play“ -system. A space-saving frame construction holds the required lighting modules and base unit with optical components, electrical control and processing unit (MiniPC). Communication with other systems is possible via various interfaces and connection standards, including GSM in addition to Ethernet and WiFi.

Besides particle size and shape, contamination in the material can be detected and the volume flow can be calculated by a high-performance laser (using a belt weigher). Special algorithms evaluate all particles through polygonal networks and thus determine the product parameters. These data are processed in real time and are also available at any time as a history for flexible trend analysis under Windows or on mobile iOS devices. Real-time data processing enables continuous monitoring and automated process control. Irregularities are detected early, the efficiency of the process can be optimized and additional capacity is created.

## All benefits at a glance:

- Easy installation
- No contact with the material
- „Plug and play“ -system
- Fully automated by integrated processes (MiniPC)
- Supports Ethernet, WiFi and GSM
- Communication standards: Modbus/TCP, OPC UA, analogue

## Typical areas of application:

- Before/after screening processes (broken screen detection)
- Before/after crushing units
- On mobile crushers and screening stations
- For granulating and pelletizing processes (green pellets)
- For loading conveyors



HAYER SOLO<sup>M4</sup> for material analysis directly over belt conveyors.

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