

ENSURING EFFICIENCY.



**Siempelkamp**

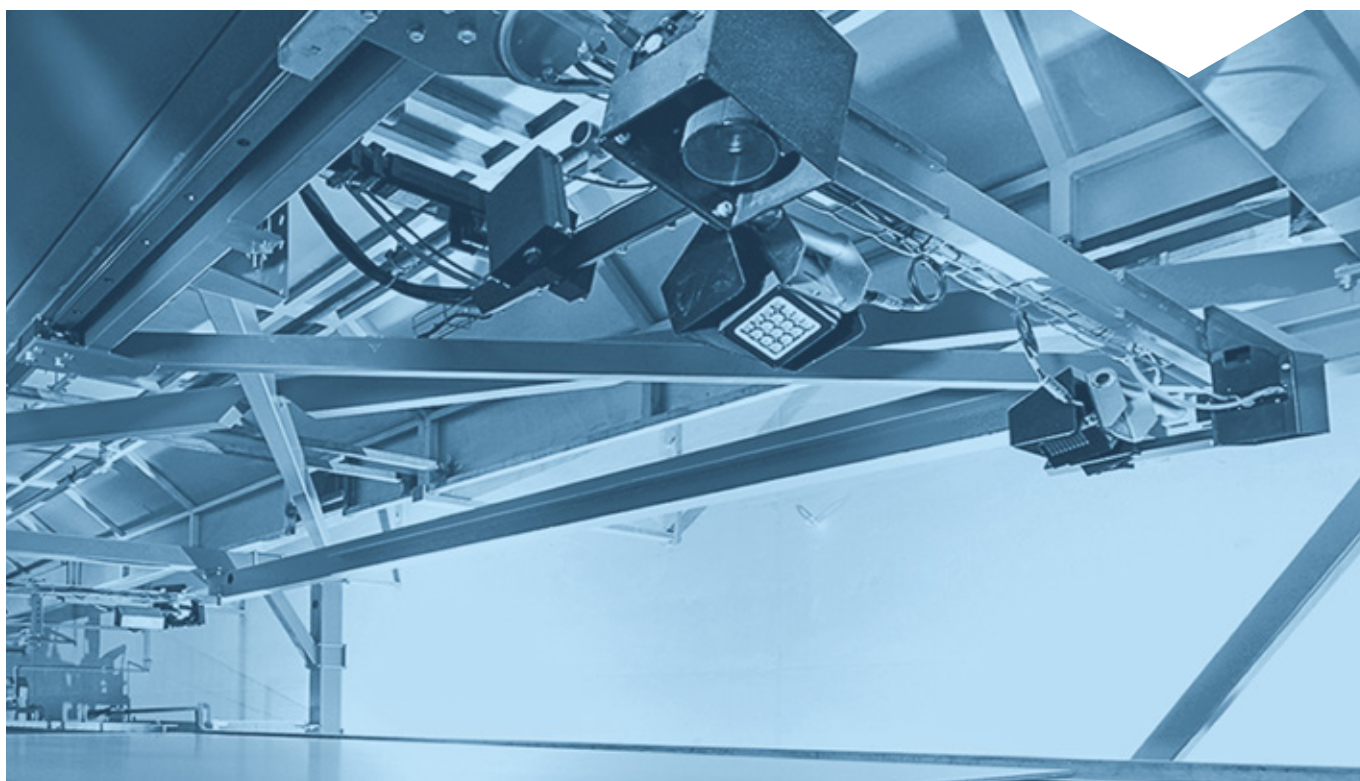
Logistics & Service

# SICOCAM: SAFE, EFFICIENT, SMART.

+ THE INNOVATIVE INLINE BOARD MEASUREMENT

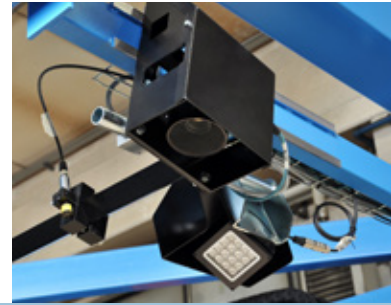


SIEMPELKAMP LOGISTICS &  
**SERVICE 4.0**



# SICOCAM

## SAFETY FIRST: THE NEW INLINE MEASUREMENT SYSTEM FOR SAFE WORKING CONDITIONS, HIGH-QUALITY PANELS, AND GREATER PROFITABILITY



### SICOCAM – GUARANTEES JOB SAFETY

To verify the dimensions of raw boards (particleboard, MDF, and OSB) in the cooling and stacking line, it has been common practice to randomly extract boards or manually measure them in the cooling turner. This method results in a lot of waste and a high error rate. However, the biggest problem is the large risk involved for the employees when measuring the boards inside the cooling turner because they have to enter the safety area to do so.

The newly developed SicoCam changes this in a revolutionary way: With this intelligent, fully-automated, and highly accurate inline board measurement device our engineers provide the answer to all these problems. SicoCam stands for a safer working environment, guaranteed quality, and significantly reduced waste.

**Thus, the system quickly pays for itself.**

#### MEASUREMENT TODAY

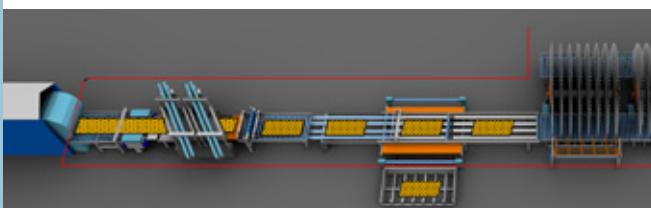
Random, manual,  
unreliable

Random inspections by operator in the line

» **Safety issue**

Random inspections by operator in the reject-box

» **Loss of material**



#### MEASUREMENT WITH SICOCAM

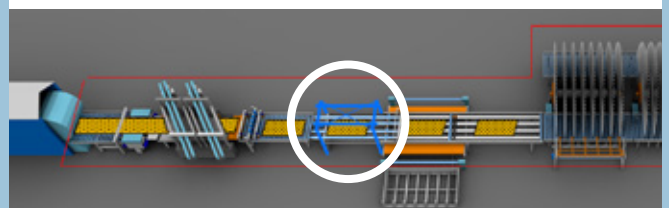
Continuous, automated,  
accurate

Continuous measuring of each panel

» **Safety at work**

» **High dimensional accuracy**

» **Permanent quality assurance**





#### QUALITY CONTROL

### Lower costs, higher quality

The weak points of the traditional board measurement: only random inspections, incomplete measurements, error-prone measurements, for example, because of measuring tapes that have expanded due to heat. SicoCam carries out continuous, fully-automated measurements. If needed the diagonal saw can therefore be adjusted immediately. This ensures consistently high product quality. Furthermore, due to reduced waste, the new system cuts costs.

#### INNOVATIVE STRENGTH

### “German Engineering” – expertise from the specialist

We know what the wood-based materials industry needs. Therefore, our experts in the area of finishing lines considered all relevant aspects while developing SicoCam. The result: SicoCam can be retrofitted easily in practically every plant without additional space requirement, requires only a short installation time, and is suitable for all wood-based materials as well as for any conveyor type.

#### SICOCAM AT A GLANCE

### Technical data

- **Possible board dimensions:**  
Length 1,200–8,800 mm  
Width 950–3,200 mm  
Thickness 3–60 mm  
Board surface unsanded or sanded
- **Accuracy of  $\pm 0.5$  mm** for length and width
- Lateral misalignment: max.  $\pm 30$  mm
- Up to the conveying speed of **4 m/sec** and a **board cycle time of 1.1 sec**
- **Camera system:** SICK

#### FURTHER BENEFITS

### Features

- **No measuring faults** due to slipping boards or acceleration during the measuring process
- **Individual configuration** for almost all applications possible
- Connection to superordinated control systems for **data-transfer as required**
- Optical system characterised by extreme **low maintenance**
- **Can also be used in the sanding and cut-to-size line** to measure board dimensions



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