

B  S T    L I N E



Performance<sup>3</sup> refers to BST products that outperform the norm. Performance<sup>3</sup> means: higher precision, more efficiency and stronger dynamics. And, as always, uncompromising quality. Your added value, your needs and your requirements drive us to constantly raise the bar in terms of Performance<sup>3</sup>.

Experience the BEST LINE with  
**PERFORMANCE<sup>3</sup>**

Revolution in high precision applications

# FRAMEGuide Pro

## PERFORMANCE<sup>3</sup>

- » Greatest flexibility
- » Lowest possible overall height
- » Maximum efficiency

**±10  
μm**

Highest repeatability

In terms of precision and flexibility in web guiding, the FRAMEGuide Pro is a masterpiece: Performance<sup>3</sup>. It fits perfectly into any machine layout due to its lowest possible height, where fixed and moving frames are at the same level. Additionally, the optional motorized sensor adjustment provides maximum efficiency.

The high-performance drive ensures flawless precision in every application with repeatabilities of  $\pm 10 \mu\text{m}$ .

In industries which require highest accuracies, such as battery, fuel cell or pharmaceutical, the FRAMEGuide Pro ensures high-precision control results.





Measurement  
accuracy up to

2  
μm

PERFORMANCE<sup>3</sup>

- » Maximum resolution RSC matrix camera sensor
- » Highly dynamic control algorithm
- » The most precise scanning of micro dot mark fields

Precision on the highest level

regi\_star 20 Pro



With its high-precision scanning algorithms, the high-resolution RSC matrix camera sensor detects any deviations in the smallest micro dot mark fields. In conjunction with the FRAMEGuide Pro, the regi\_star 20 Pro ensures unrivaled control comfort and precision in perfection.

The regi\_star 20 Pro was developed specifically for the production of safety and functionally relevant end products, such as in the organic photovoltaic or printed electronics industries. It offers maximum precision with every measurement up to 2  $\mu\text{m}$ : Performance<sup>3</sup>.

Print defect detection without compromise

# iPQ-Check Pro

## PERFORMANCE<sup>3</sup>

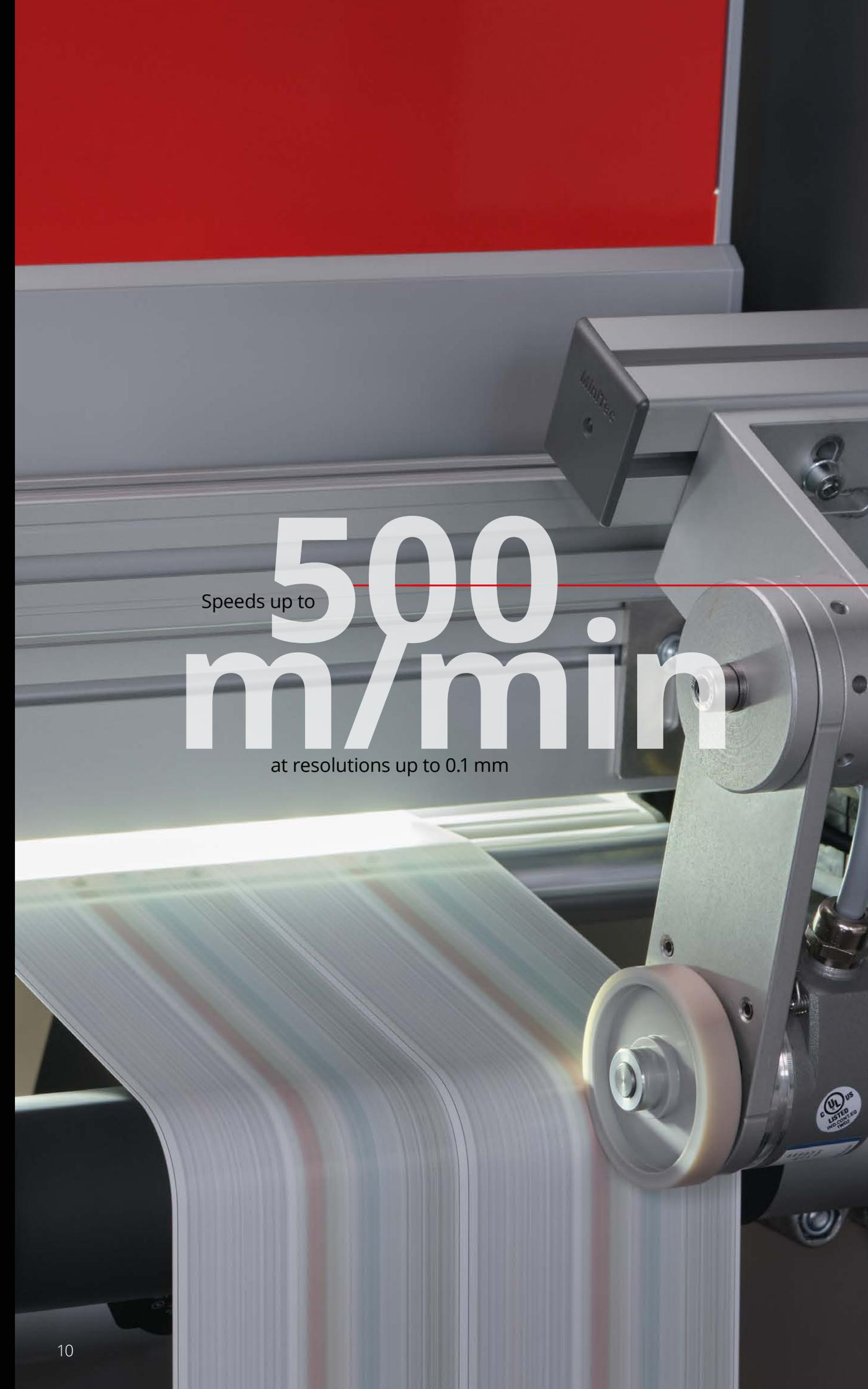
- » Extremely compact design
- » Use of high-performance technology
- » Highest resolution for wide and fast machines

The iPQ-Check Pro inspects web widths up to 2.90 m at a maximum resolution of up to 16 k. Even at web speeds of 600 meters per minute, the detectable defect size is 0.02 mm<sup>2</sup>. This ensures that each and every print defect is detected and logged.

The high-performance inspection system iPQ-Check Pro was developed specifically for printing and is designed for high-speed applications. It is flexible and can be integrated into any machine due to its compact design.

Detectable print defect size  
at highest web speeds

≥ 0.02  
mm<sup>2</sup>



Speeds up to

# 500 m/min

at resolutions up to 0.1 mm

High-resolution print inspection  
paired with maximum speed

# TubeScan Pro

## PERFORMANCE<sup>3</sup>

- » Active placement of the defect to target position
- » Integration into SMARTData
- » Available for web widths up to 550 mm

The innovative inspection system TubeScan Pro offers Performance<sup>3</sup> when used in state-of-the-art, high-speed cutting and converting machines for flexible packaging and labels. Even with web widths up to 550 mm and machine speeds of up to 500 m/min, the precision remains with resolutions of up to 0.1 mm.

TubeScan Pro detects defects quickly and reliably. The built-in machine control positions these defects at the target position for removal or error correction. In addition, TubeScan Pro is perfectly integrated into the SMARTData-Workflow, ensuring optimal cooperation with the printing press.



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