


 **VANDEWIELE**

  
**PROTECHNA**



Automatic Optical  
Inspection System  
**PROCAM 5310**  
for Textile Machines

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- 0% Rejects, 100% Quality
- Optical Online Fabric Control for Warp Knitting Machines

The optical inspection system PROCAM 5310 makes the online monitoring possible for Warp knitting machines. The control is carried out directly on the machine using precision cameras. Advanced evaluation systems and a special image processing software detect virtually all textile faults exactly at the place they occur. As soon as a fault is detected the machine is stopped immediately before it may get expensive.



**TEXTILE FAULTS DETECTED  
WHERE THEY OCCUR**

- Checks the fabric for faults in both length and crosswise direction as well as for dot-like faults
- Optimum monitoring of the yarn sheet for thread breaks and tight ends

**MAXIMUM PRODUCTIVITY**

- Fast reaction time guarantees minimal fault lengths
- Immediate and reliable machine stoppage directly at the fault position even at high machine speeds

**RELIABLE FAULT DETECTION  
WITHOUT REJECTS**

- Continuous monitoring of the full fabric width
- Objective and reproducible detection of faults





## MONITORING

- Monitoring of two and multi bar Warp knitting machines and Weft insertion machines
- Monitoring of the fabric directly after it is formed by the needle bar
- Extremely short fault lengths even with difficult to detect faults due to the permanent monitoring of the complete fabric width

- Control of the weft threads on Weft insertion machines
- Contact-free control of both yarn and produced fabric
- The absence of moving parts minimizes the maintenance and serving requirements and leads to an economical production

## EASY HANDLING

- Minimal setting procedure during material changes avoids input errors and optimizes the preparation time
- Easy operation using the customer's laptop and WLAN adapter PROCAM



CARPET WEAVING MACHINES

VELVET WEAVING MACHINES

TUFTING SYSTEMS

ADVANCED KNITTING TECHNOLOGY

YARN EXTRUSION LINES

ADVANCED HEAT-SETTING SOLUTIONS

SHEDDING SYSTEMS

HARNESSES

WEFT INSERTION SYSTEMS

FINISHING MACHINES

YARN TRADING

QUALITY ASSURANCE FOR TEXTILES

PRODUCTION MANAGEMENT SOLUTIONS

MOTORS & DRIVES

HIGH PRECISION IRON FOUNDRY

BULK HANDLING

Formed in 1956, PROTECHNA has been part of the Belgian VANDEWIELE Group since 2011. As a leading supplier of high-quality thread and fabric control systems for use in many textile manufacturing processes, we have continuously expanded our product range for the textile processing and textile machinery construction industries over the years. Together with a global network of more than 60 sales partners, we offer our customers a comprehensive portfolio of services and made-to-measure support.

Our Technical Department is responsible for the continuous improvement and enhancement of our high-tech products. Designing and developing individual solutions for the textile industry and working closely with leading textile machine producers creates a strong foundation for our innovative approach to business and the superior performance of our products.

Our quality assurance department uses in-depth controls to ensure that only first-class goods are shipped out to our customers. The resulting reliability and outstanding longevity of our products enjoy a well-earned reputation throughout our markets.

The quality of our work and the success of our company is measured by one all-important metric: customer satisfaction.



**PROTECHNA**

PROTECHNA Herbst GmbH & Co. KG  
Lilienthalstrasse 9

85579 Neubiberg – Germany

☎ +49 89 608 114-0 📠 +49 89 608 114-48

@ [info@protechna.de](mailto:info@protechna.de)

🌐 [www.protechna.de](http://www.protechna.de)

