

VANDEWIELE



PROTECHNA



Automatic Optical
Inspection System
PROCAM 5310
for Textile Machines

Automatic Optical Inspection System

PROCAM 5310

for Textile Machines

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

The optical inspection system PROCAM 5310 makes the online monitoring possible for warp knitting machines and weaving machines. The control is carried out directly on the textile 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 two and multi bar warp knitting machines, weft insertion machines and weaving machines
- Monitoring the fabric directly after it is formed by the needle bar or weaving mechanism
- 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

Since 1956 PROTECHNA has been producing, marketing and servicing opto-electronic thread control systems for the textile industry. Best quality lead to steady growth and resulted in our company being the market leader for monitoring textile machines. Today the company is operational worldwide and has at its disposal marketing and service partners in all of the textile producing countries.

By using the latest technologies our technical department develops innovative monitoring devices for practical use in the textile industry.

A close and long-term cooperation connects us with the leading textile machinery manufacturers. For the requests and suggestions of our customers we always have an open ear. Only in this way real innovations can be created, which are highly beneficial for our customers.

At the contentment of our customers we measure the quality of our work and the success of our company.



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