



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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Opto-electronic Yarn Inspector COGASTOP CREEL 3200

- Monitoring the yarn quality during warping and beaming at multiple levels
- YarnWatch program for setting and evaluation

The PROTECHNA yarn inspector COGASTOP CREEL is a control system to detect yarn faults during the warping or beaming process. Slubs, double threads, uneven knots and spinning defects can be recognized.



CONSTRUCTION AND FUNCTION

Since at beaming machines the yarn sheet is brought into one level only immediately in front of the warping head, monitoring the threads with the COGASTOP CREEL is carried out directly at the creel at every level on the right and on the left at the creel draw-off position. The number of necessary inspection heads therefore depends on the number

of creel levels on the left and on the right. The inspection heads are mounted at the creel output in the immediate proximity of the thread guides.

The threads are led through the centre of a highly concentrated light beam. When a yarn fault passes through the light beam, the transmitted light quantity

is reduced. If the difference exceeds the adjusted sensitivity, the warping machine is stopped and the fault can be removed.

The inspection heads are connected with the control unit via light wave conductors. This ensures a high protection against electromagnetic interference.



YARNWATCH

The YarnWatch program allows you to control up to ten COGASTOP CREEL systems at one PC and to file the collected production data into a database. By using the YarnWatch user interface you will receive a quick overview about the current COGASTOP CREEL status and the past production (sectional warp beams, creel loads).

You can save yarn specific settings as a yarn type, plan the future production by using production orders and open comprehensive graphical and table form reports.

TECHNICAL DATA

- For yarn speeds from 100m/min
- Operating voltage: 115V/230V 50Hz/60Hz
- Stopping contact: potential-free relay contact