

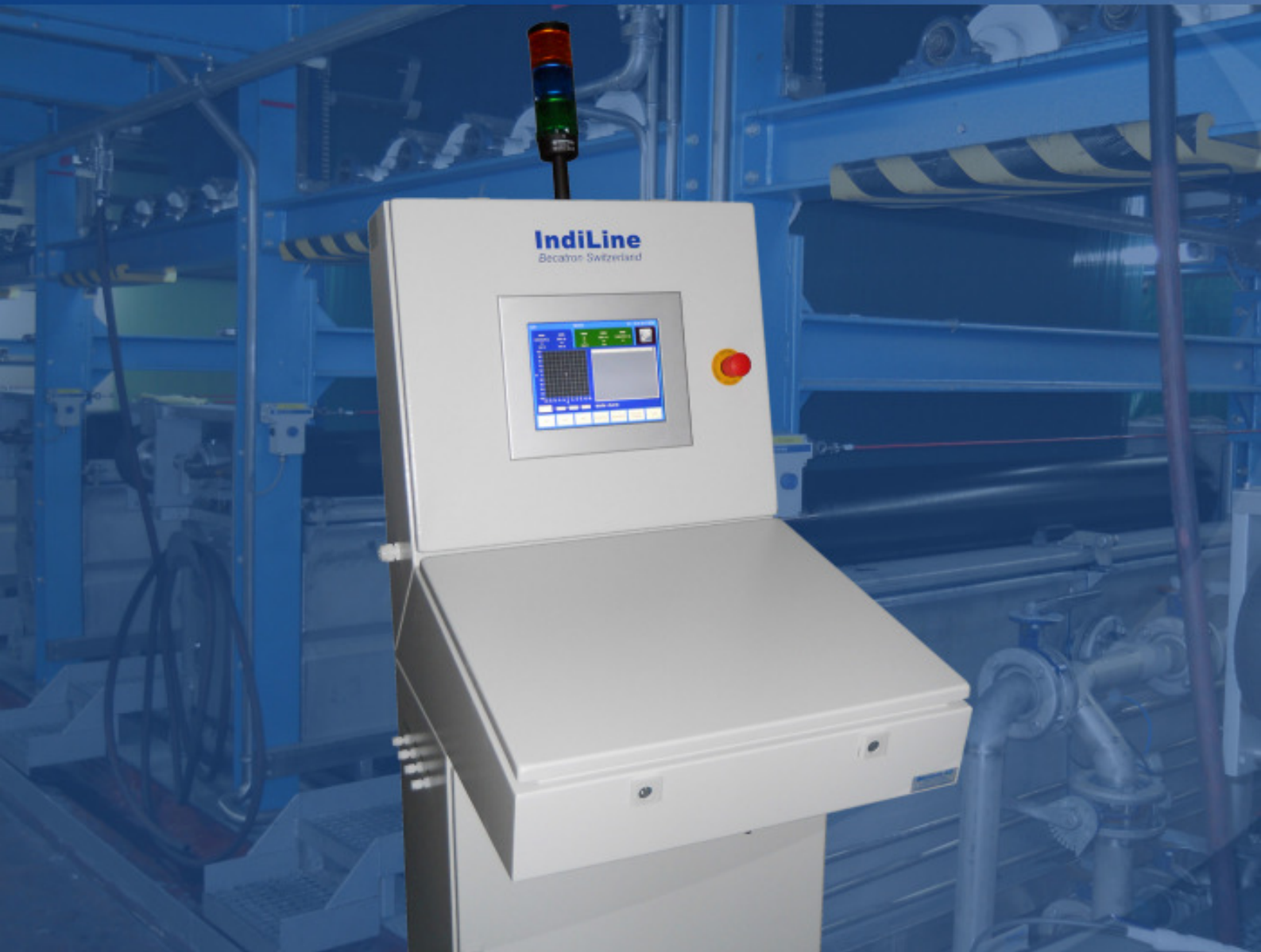
IndiLine

control your process

Becatron AG

Online Monitoring System for Indigo Dyeing

Detecting, documenting and adjusting data of all critical process parameters



IndiLine

Becatron Switzerland



Benefits

Cost effective, fast and reliable determination and control of the important dyeing bath parameters.

- Indigo Concentration
- Reducing Agent Concentration
- Alkalinity / pH-value
- Red-Ox Potential
- Temperature
- Electrolyte Concentration

All important parameters are analysed and monitored by a single device.

Can be adapted to new or existing dyeing ranges. Simple installation and easy maintenance.

No inaccuracy caused by contamination of the dyeing bath with sulphur dyes and highly accurate results even at very low hydrosulphite concentration.

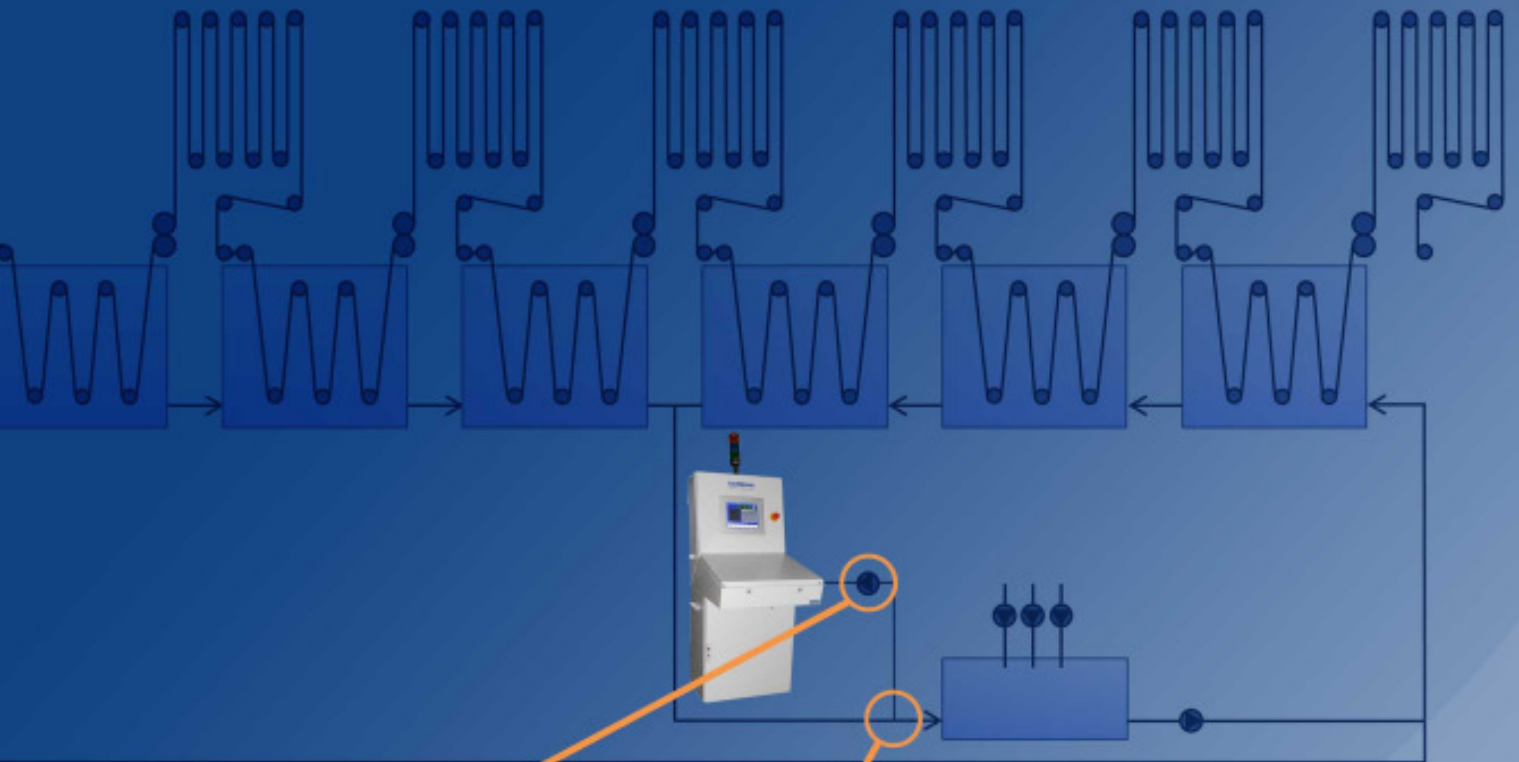
Regular self calibration and self cleaning resulting in higher accuracy and much longer lifetime of sensors and electrodes as compared to auto-titration equipment.

Stable dyeing bath conditions due to high frequency of the measurements (only 8 – 12 minutes per cycle) and accurate control resulting in a remarkable reduction of off shade and 2nd quality.

Less consumption of chemicals, titration solution and solvent as compared to control by spectrophotometer or auto titration.

Monitoring and control dyeing bath preparation.

Allowing dyeing machine operators and laboratory staff to focus on important duties and work.



Circulation pump



Filter and dye bath connection

IndiLine

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IndiLine module information

IndiLine HI

- Colorimetric online titration to determine the concentration of indigo and hydrosulphite in dye baths
- Red-Ox measurement including amplifier and probe
- Temperature measurement including PT100 temperature sensor
- IndiLine Base Module with 10.4" touch control panel
- Recirculation pump and connections
- Software monitoring and controlling the important dyeing bath parameters online and storage of dye set history for dye set analysis
- Network interface for Remote Support; USB, RS232

IndiLine pH

- Measurement and control of dyeing bath pH-value
- Regular self calibration and cleaning

IndiLine CO

- Measurement of the conductivity / electrolyte concentration

IndiLine 2ND

- Touch control panel for a 2nd dyeing machine
- Software to operate 2nd dyeing machine



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