

WE
CONTROL
IT



Spectral inline measurement and control in web offset printing and special applications

LithoSpectral WEB inline enables the spectral measurement and colour control of printed products especially in web offset printing. Measurement is performed in print control strips or at appropriate positions in the printed image, and the system can achieve considerable savings in a short time. Reduced setting time increases job throughput. High waste savings directly lower substrate costs. The use of a measurement and control system additionally ensures production quality both through density and Lab control.

- Measurement and control of Lab values and the densities of process inks and special colours
- For web offset printing machines with a production width of 52-205 cm
- Monitoring of tone value increase, print contrast, trapping, delta-E and contamination parameters
- Compact complete system for new and used printing machines

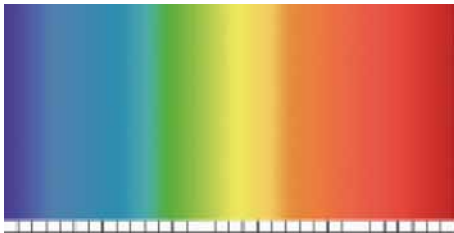
Advantages

- High savings thanks to LithoDyn dynamic control
- Minimal energy costs thanks to LED lighting
- Clearly structured user-friendly interface
- Definable print control strips
- Long service life and low operating costs
- Can be adapted to various printing machines

LithoSpectral Web



LithoSpectral on a web press



Spectral Lab and density measurement



LithoSpectral on a cylinder

Measurement methods and sensors

- Wear-free sensors
- LithoSpectral on a cylinder Lab and density measurement
- Similar to ISO (with 0/45)
- Parallel measurement over the entire printing width
- Measurement of turn
- 0/45° or DOM optics
- Maintenance-free and long-life LED measuring light
- Density measurement range 0.0 - 2.2 D
- Using existing print control strips is possible
- Freely selectable height, width and configuration of measurement fields (min. size 3x4mm)
- Strip library for optional use of various print control strips
- Reproducibility: 0.01 D depending on the measurement condition
- Line feed up to 15 m/s

Scope of supply

- Sensor unit
- Control unit, industrial PC with 21" touch screen
- For the operation of necessary electrical and mechanical assemblies
- LithoDyn (dynamic control)
- LithoJobChange (dynamically controlled job change)
- LithoFlash® One Shot (control at machine standstill)

Application areas

- Web offset printing
- Metal printing
- General colour measurement tasks in high-speed processes