IDCμ - InlineDensity Control with micro marks

Fully integrated color control for newspaper printing

New, yet based on a wealth of experience – InlineDensity Control with micro-marks, IDCμ for short. manrolandweb systems has been constantly upgrading ink density measurement for commercial printing. Now the fully automatic color control IDCμ also offers unprecedented process stability for newspaper printing.

Speed

InlineDensity Control aims to be the fastest system on the market, also for newspaper printing. The high measurement and control speed of IDCμ is based on extremely fast individual measurements, optional use of several measurement modules, and interaction with other automation features.

Precision

The integrated quality components include cameras with CCD sensors. Designed for high dynamic volumes, they precisely measure small tonal value differences thanks to their polarization filters. Illumination is adjusted to specific standard filters through LEDs and suitable color filters offering long term stability.

Reliability

IDCμ does not require elaborate teaching, is not linked to the prepress and does not affect the prepress workflow. This makes it less complex than the conventional “image-based measurement” method, which uses test prints to determine ink metering for individual colors.

Fully integrated

With IDCμ, the printer can fully automatically implement the target value adjustment on the central control console, with a view of the print product. The PressQuality reporting module evaluates the ink density measurement and displays all production events of the press log book.