

Press release

Polygraphische innovative Technik Leipzig GmbH (PITSID)
Mommsenstraße 2 · D-04329 Leipzig (Germany)
Phone: +49/(0)3 41/2 59 42-0 · Fax: +49/(0)3 41/2 59 42-99
E-Mail: info@pitsidleipzig.com · Web: www.pitsidleipzig.com

Print register – no problem with the „Luchs“ from PITSID

The register measuring system measures 10 colours simultaneously and is now more efficient

From May 6 to May 19 this year Polygraphische innovative Technik Leipzig GmbH (PITSID) present their „Luchs“ register measuring system in Düsseldorf at the „drupa 2004“ in hall 16, stand D 77. The system, already well-established on the European market, has been equipped with a new processing unit based on latest microprocessor technology, and a new user-friendly and high-resolution display.

First presented at the „drupa 1995“ the „Luchs“ measuring system has made it possible to evaluate the register accuracy of offset presses or offset prints, especially in connection with the adjustment or the acceptance of the machines at the manufacturer's premises or in a printing house, but thanks to its high measuring precision the system can also be used for the exploration of paper stretch. Meanwhile almost all worldwide operating German printing machine manufacturers employ the measuring system and so do experts working in the graphic arts industry.

The „Luchs“ consists of a measuring head with a high-resolution CCD camera and the processing unit with the integrated special measuring software. Measuring is based on the highly precise mathematical analysis of image data which are obtained from the measuring elements supplied by PITSID and to be printed on the sheets. Measurement is automatic, colours and the measuring locations are automatically recognised. Within less than two seconds the register of up to ten colours is simultaneously captured and evaluated both in longitudinal and cross direction. Thus even larger amounts of complex data can fast and easily be handled. Optional features are the measurement on both sides of the printed sheet (face printing against perfecting) – in accordance with the trend towards long presses with a turning drum and several printing units – and measurement of the feeding and folding register. For the display of the measured values the system offers the choice of text in English or German or charts in a magnitude of different output possibilities.

Completely automatic measuring and evaluation means comprehensive and efficient register control within shortest possible time, which guarantees the statistically significant diagnosis of the register accuracy of the printing press or the print results. Both measuring accuracy and measuring speed of this highly efficient measuring system exceed conventional equipment by far. After a decade of the market presence of the „Luchs“ its utility value and handling have been improved, and its field of application extended. So a special „newspaper measuring element“ has been developed, with which the highly precise measuring of up to five colours becomes possible (on low-grade paper), and with which the reasons for register problems of web-fed printing presses can be determined (e.g. slur or ghosting).

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A specimen copy of your publication would very much be appreciated.

Contacts:

Dipl.-Ing. Gerald Loh (Development Section), Frank Baier (Public Relations)
Phone: +49/(0)3 41/2 59 42-24/-26, Fax: +49/(0)3 41/2 59 42-98/-99,
E-Mail: loh@sideipzig.de, baier@sideipzig.de