



SID and PITSID at the IfraExpo 2005 in Leipzig (October 17-20, 2005) (hall 4, stand I 142)

PITSID Leipzig: The use of the PITSID measuring equipment, adapted to the demands of newspaper printing, helps to optimise the working accuracy of the machines and the technological processes. This is the reason why leading machine manufacturers have long since introduced in practice the systems for register measurement (“Luchs”), pressure checking (“conpress II”) and measurement of the packing height. Moreover in terms of stability and quality assurance in the printing process the standard employment of innovative measuring technology serves as quality proof in a quality management system according to ISO 9001:2000.

PITSID presents the “Luchs” register measuring system, which measures the register of up to ten colours on the top side and the lower side of a paper web both in longitudinal and cross direction and is equipped with an additional element for the measurement of the folding register. The use of the newspaper measuring element, which works with high measuring accuracy and measuring speed, makes it possible to find reasons for register problems of web-fed printing presses (e. g. slur or ghosting).

“conpress II” checks the contact pressure between the bearer rings of printing presses. The result is opto-electronically shown on a graphic display and is based on the evaluation of a mark impressed on a paper measuring strip by the contact pressure between the bearers. The new PITSID contact pressure testing device evaluates line marks and now – for the better evaluation of the pressure distribution – rolling marks, too. The use of this testing device for the adjustment of printing presses guarantees print quality and prolongs the lifetime of the cylinder bearings considerably.

The PITSID packing gauge, which is suitable for use on blanket and plate cylinders of any diameter, electronically determines and displays the packing height against the bearer or measuring ring. The instrument is available in three versions: a 30 cm long standard model, a 50 cm long model for the measurement on offset varnishing plate cylinders and flexographic forme cylinders, and an 18 cm long version for use on narrow-web presses.

SID Leipzig: The Saxon Institute for the Printing Industry Leipzig (Sächsisches Institut für die Druckindustrie – SID) presents an extensive spectrum of technological services, especially in the fields of noise protection in production rooms and on newspaper presses, offline diagnosis of driving motors as preventive maintenance measure, the analysis of rapid sequences of motions with a high-speed video camera and the measurement of wear of newspaper transport systems.

The non-university and non-profit research institute whose technology transfer know-how has so far been used by companies of any size and equipment has also references from machine inspection and acceptance services carried out in accordance with the current official guidelines.



Professional consultancy of enterprises for the purpose of the certification of quality and environment management and integrated systems, the introduction of standardized processes and testing methods of quality assurance (e. g. offset standard process), advice and expert opinions on digital workflow and colour management solutions, and direct marketing services for the territory of Central Germany with address data of the “Print and Advertisement Handbook” are also part of the services offered.

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