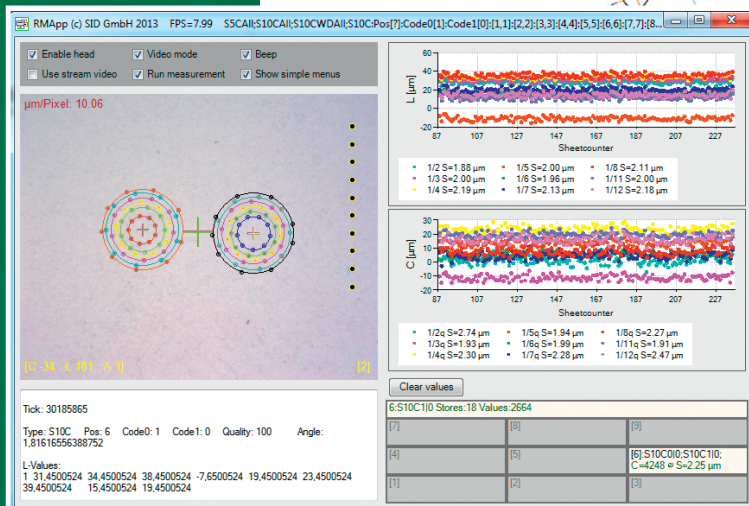


Register Measuring Process – Register Measuring Head RMK

PITSID

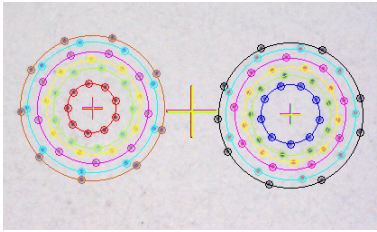
Highly precise register
measurement with practically
invisible micro-marks made for
sheet-fed offset requirements

Polygraphische innovative
Technik Leipzig



Scan here for
product video.





Register Measuring Process – Register Measuring Head RMK

Working Principle

Register measuring process with coded micro-marks for inline or offline use in offset printing presses. The separate register measuring head RMK is available for external measurements. The measuring mark encoding contains information about each separate printing unit, the measuring position on the sheet, the front and back side of the sheet as well as other specific information.



Scan here for product video.

Technical Data

Register measuring process

- Practically invisible micro-marks, dot diameter of 80 µm
- Mark size: for up to 5 colours: 3 x 3 mm (27 encodings)
for up to 10 colours: 3 x 7 mm (54 encodings)
- It is possible to position at any place on the printed sheet, even inside of small print control bars
- Automatic assignment of the measuring position on the sheet through variable encoding
- Encoding for front and back side in the mark itself
- Large measurement range of ± 2 mm
- Angle-independent measurement
- Any measurement order when multiple register marks are on the sheet

Register measuring head RMK

- Handheld measuring head optimised for the register measuring process
- Use as a video magnifier possible
- Measuring head is activated when lifted up (separate sensor)
- Fully automatic measurement after positioning the measuring head on a measuring mark
- Optical and/or acoustic feedback after the measurement
- Measuring head field of view of 10.5 x 13 mm allows a positioning tolerance of $\pm 3-4$ mm
- Two buttons used for additional operational functions
- USB-2 connection to already available PC with the register measuring process software



PITSID develops, produces and sells measuring systems, supported by the Sächsisches Institut für die Druckindustrie. The measuring systems are used for quality control and to increase efficiency during adjustment and maintenance operations.

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