

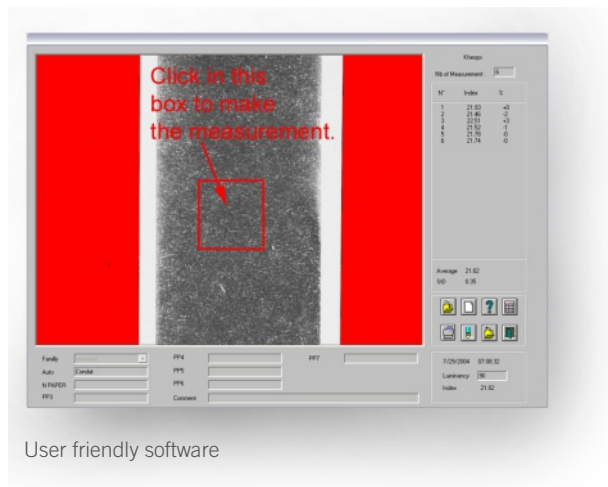


LABORATORY SENSOR DESIGNED FOR MOTTLE AND SURFACE ROUGHNESS MEASUREMENT

- > Designed for papermakers, board makers, ink manufacturers, coating suppliers and printing operations
- > Provides accurate and repeatable evaluations on :
 - Quality of offset impressions, print mottling
 - Precision of coating application
 - Paper, board or other flat material roughness
- > Provides excellent correlation with human eye evaluation and sensitivity
- > Practical, repeatable, and responsive
- > Highly sensitive to mottle or smoothness changes

FRIENDLY SOFTWARE

- > Measurement window:
 - 6 test reference windows
 - Configurable results table
- > Configuration window:
 - final mottling index is the result of the combination fo 5 individual class preset size categories
- > Result output includes:
 - average print mottle or surface smoothness
 - deviation between measurements
 - tolerance threshold
 - class distribution
 - class distribution standard deviation



User friendly software

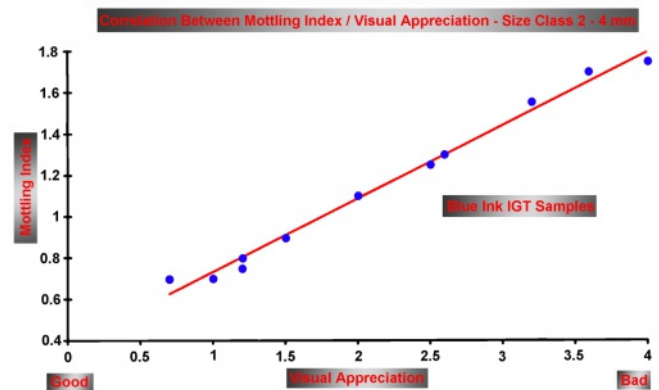
RELIABLE AND POWERFUL

- > Composed of CCD Camera and 2 light sources
- > Stable sample illumination during capture and measurement process
- > Individual analysis < 1 second



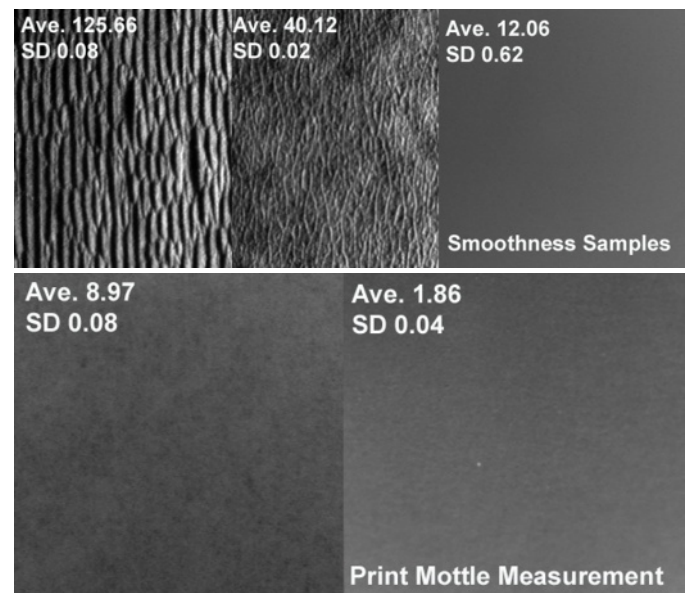
INTERPRETATION AND CORRELATION OF RESULTS

- > Excellent correlation with visual inspection
- > Excellent result linearity
- > Perfect repeatability of the measurement algorithm



SYSTEM DETAILS

- > CCD camera with lens close-hoop control
- > Diffused light source for mottling analysis on printed samples
- > 8° angle light for roughness analysis on paper
- > Gigabyte card
- > Connection cables



TECHNICAL CHARACTERISTICS OF MOTTLING

Sampling:	measurement area: 25x25 or 12,5x25 mm / max. thickness : 4mm
Operating system:	Software running under WINDOWS OS
Power supply:	220V/50 Hz or 110V/60 Hz, power 50W
Dimensions:	video output and regulation input 370 mm (l) x 370 mm (w) x 400 mm (h)

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