techpap
innovation for paper

MOTTLING
Surface roughness measurement

LABORATORY SENSOR DESIGNED FOR MOTTLE AND SURFACE ROUGHNESS MEASUREMENT

> Designed for papermakers, baord 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

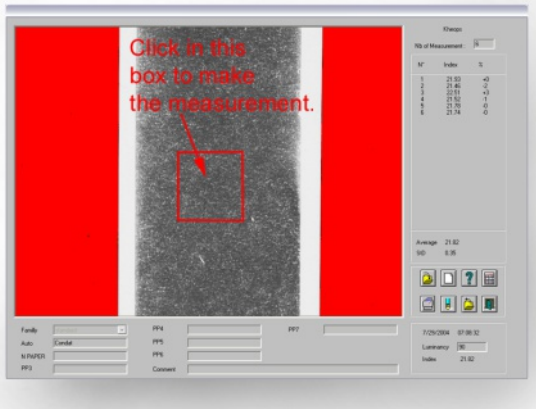
> Highly sensitive to mottle or smoothness changes

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 inludes:
- 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

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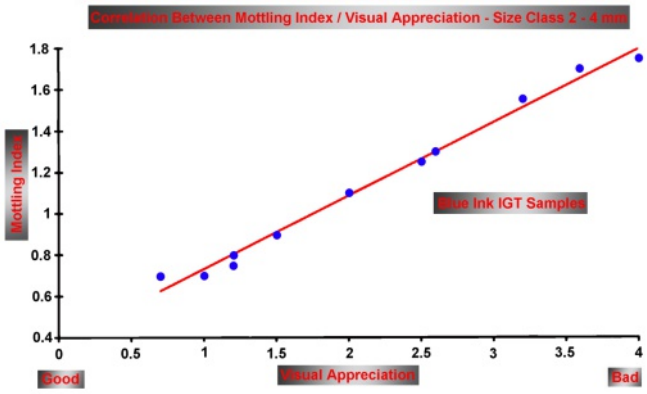
INTERPRETATION AND CORRELATION OF RESULTS

> Excellent correlation with visual inspection

> Excellent result linearity

> Perfect repeatability of the measurement algoryithm



SYSTEM DETAILS

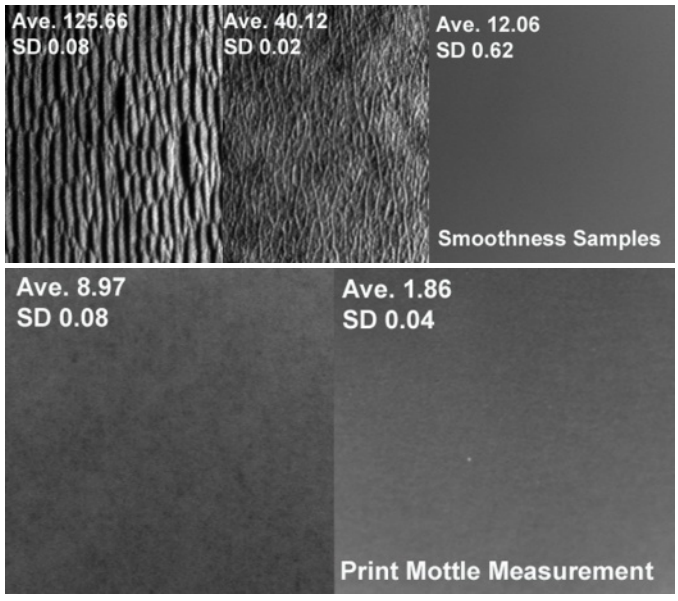
> CCD camera with lens close-hoop control

> Diffused light source for mottling analysis on printed samples

> 8° angle light for roughness analysis on paper

> Gigabite 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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