2400 dpi scanner-based image quality measurement system.

Measure printability attributes such as:
- area coverage
- background noise
- solid area mottle
- black density
- banding and uniformity
- repeating defects (spots, dimples...)
- ghosting and residual images
- toner scatter
- toner adhesion (fix, crease...)
- text quality
- resolution
- yield testing
- and others...

for EP applications
**EP Applications**

**Quantify solid area mottle**

ImageXaminer is used extensively by printer and paper manufacturers to quantify the appearance of mottle. The ability to image in both transmission and reflection, and the ability to use color scans allow the user to customize the mottle measurement methods to best fit their needs.

**Assess printer uniformity and banding**

Many prints exhibit different types of macroscopic non-uniformity, either as a result of the printing technology itself or of the interaction between the printer hardware and the receiving media. ImageXaminer aids in assessing localized defects such as deletions, as well as more global variations such as banding and ramping.

**Ghosting and residual images**

Electrophotographic images are uniquely prone to ghosting and residual image defects. Visual assessment of these defects is the traditional method used by many companies. There has been a push toward automation of defect assessment in both R&D and production environments. ImageXaminer enables successful quantitative assessment of these challenging defect types.

**Repeating defects**

Any damage, wear or manufacturing defect in the various rollers, belts, drums and cylinders that are included in EP print engines can lead to the appearance of repeating spots, dimples, scratches, or other irregularities on printed output. Characterization of repeating defects can be automated with ImageXaminer.

**Automation: Automatic Document Feeder (ADF)**

The ADF enables efficient measurement of multiple samples. This ability to perform batch processing increases efficiency and reduces costs. Samples from multiple-page tests such as yield testing can be assessed without operator intervention.

**System Configuration**

Model Number: 1000XL

**Computer:**
- CPU
- ImageXpert software

**Scanner:**
- Digital Interface IEEE 1394 /400 Mps
- Input Modes: Reflection and optional transmission
- Resolution: 2400 x 2400 DPI (optical)

**Sample size:**
- 12.2" x 17.2" Max (310 mm x 437 mm)
- US Tabloid or A3

**ADF Capacity:**
- 100 sheets input / output
  (55 g/m2 paper)

**ADF Reliability:**
- 100,000 sheets load / eject MCBF

**Options:**
- MS Office
- USB Printer
- Optional operator friendly, push-button “GUI” with pre-programmed tests

**Expandability:**
- Camera for higher resolution analysis
- X-Rite Spectrodenisitometer
- Minolta Spectrodenisitometer
- Glossmeter (multi-angle: 20/60/85 degrees)