

Technology Watch™ Resometer™

Monitor the Image Quality and Resolution of Digital Printing Devices

Output Device

Information: RIP name (and serial number), addressability indicated in spots per inch and spot size in microns, PostScript version, as reported by RIP.

X-Y Addressability

Indicator: Used to verify whether the reported addressability matches the actual mechanical addressability. Moirés on radial horizontal and vertical “fan” lines indicate imaged addressability.

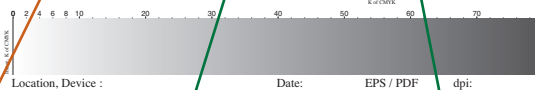
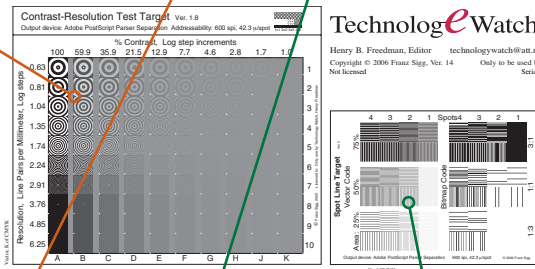
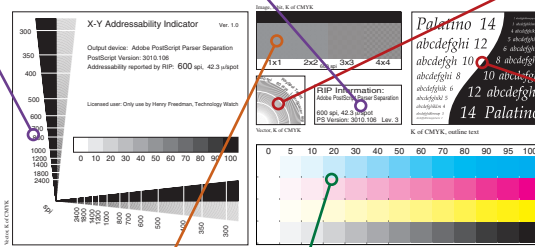
Contrast-Resolution Test

Target: Used to evaluate resolution capability of the system. Resolution is dependent on image contrast. A Contrast-Resolution Index can be calculated using a special spread sheet. Compare conventional, electrostatic, and ink jet printing systems.

Checkerboard

Target: This target shows whether single spots can be resolved when imaged at the highest addressability. Sometimes RIP’s substitute a halftone tint for the fine checkers.

Pictorial Image: Look at the pictorial image for modulation in highlights of the sky, observe details in the shadow areas and inspect image sharpness. May be used for comparisons of how the image looks on a given output device to a normal viewer.



Color Step Wedges:

Used for plotting tone reproduction curves for CMYK colors.

Spot Line Target:

Indicates how positive and negative fine lines are produced as well as toner and inking levels. Shows imaging differences for vector and bitmap code.

Doubling Grid:

Uses fine lines set perpendicular to each other, to show possible directional distortions. Can be different for different colors.

Ray Spot Target:

Wedge like rays indicating if ink or toner density settings are abnormal or degrading image detail.

Typographic

Reproduction: Both positive and negative descending type point sizes defining type rendering capability.

Calibrated Gradient:

Shows tone reproduction smoothness and irregularities. Detects streaks, moiré and stepping in both vertical and horizontal positions. When streaks are in same direction on both, the cause is uneven inking.

Resometer test form shown reduced size and not full resolution.

www.myresometer.com

Technology Watch™

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