

White paper discussion on the benefits of **Standardized Testing** and affiliation with the **International Imaging Technology Council**

What is Standardized Testing?

Answer: A series of integrated standardized tests that provide a method of evaluation in an all-in-one format. The testing is performed in a logical sequence where failure of any segment requires termination of the testing to ensure integrity to all facets of the qualification process. The testing includes:

Package Integrity per: ISTA 1A

Vibration, fixed displacement, 1", (25mm) peak-to-peak, Shock, drop, (all edges & corners), height determined by size, Vertical Shock, Alternative Incline / Alternative Horizontal.

Standard Practice for Determining Toner Usage for Printer Cartridges, (ASTM F 1856)

This practice covers a procedure to determine the weight of toner used for printing a single page derived from an electro-photographic process. (Cost per page formula)

Density Measurement, Geometric Conditions for Reflection Density, (ANSI IT2.17)

Specifically for illuminating the print at angles between 40° and 50° to the normal to the surface and viewing along the normal, where the reflectance factor (R): Ratio of the measured reflected flux from the specimen: $R = \frac{\phi E}{\phi EA}$


Standard Test Method for Evaluation of Larger Area Density and Background on Electro-photographic Printers, (ASTM F 2036)

This test method describes the procedure for measuring the monochrome diffuse reflection print density and background for large area on printed pages from electro-photographic printers. Upon measuring the reflection density at several locations on a specified test target, the average solid area density from the values obtained is calculated. Because the densitometer reads the logarithm of the inverse of the ratio of the reflected light to the incident light, the values must be converted from the logarithmic form before averaging and then converted back to the logarithmic form after averaging.

Who or what is the International Technology Council, (I-ITC), and what is STMC?

The *I-ITC* is a non-profit, 501, (c), (6) trade-association that endeavors to represent the interests of the world's imaging supplies industry including: computer / office-machine-supply, retail, repair, networking, and re-manufacturing. The *I-ITC* seeks to unify industries such as remanufactures, distributors, and resellers/dealers. The *I-ITC* also represents the industry through legislative and legal matters; and advances the industry through reliable testing standards and product enhancement programs such as: the Standardized Test Methods Committee, (STMC).

The STMC seal of qualified training and testing

Upon completion of a rigorous training program conducted by a certified I-ITC trainer, and verification of the applied combined test method criteria, a company may adorn their product with the STMC certified, numbered seal:  Only a small fraction of companies out of thousands in this industry have earned the right to display the STMC logo on their products, packaging, and marketing materials.

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