HISTORY

With the passing of the ADA legislation in 1990, it became mandatory in certain situations to provide raised letters and Grade II braille on interior signage. In the early years it was Raster Braille (ASI Intac) and then Photopolymer (ASI Intouch) that fulfilled this need. In recent years, the technology has developed and advanced and now, ASI, in addition to all its traditional texting methodologies is offering a new option - ASI 3dform, a texting platform using 3d printing to achieve the objectives of providing raised graphics, braille and textured surfaces to most sign substrates.

METHODOLOGY

To accomplish 3D Printing for an ADA Ready application and direct graphics, high speed printing is formed with UV cured and UV resistant anti-fade inks. Printing comprises of adhesion primer, standard CMYK colors with White under and /or over and finally with clear gloss over. Multiple layers are printed and cured to form the 3D shape and are entirely free of delamination. Printed shapes, text or Braille dots are formed with rounded edges to ADA compliance driven by a size reducing RIP (Raster Image Processing) to control ink layer build up.

- Creates Grade II braille, different height text and graphics, multiple colors and textures all in a single run.

- White UV ink creates a very opaque image allowing one to print bright colors onto almost any colored or transparent substrate including wood, ceramic tiles, acrylic, metals and glass.

- UV LED inks offer outstanding solvent and abrasion durability – 6 color ink set, including clear and white.

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