SCREEN

Idealliance.

**Digital Press Certification
Application Data Sheet**

SCREEN Truepress LABEL 350UV SAI S

SCREEN EQUIOS

Note: Certification is in accordance with Idealliance Digital Press Certification Program v2.3 (Increment version number as necessary)

The Idealliance Print Properties Digital Print Working Group has established a certification process for digital production presses (xerographic/inkjet). The following information is intended to assist printers and customers in understanding the printing conditions and how they were achieved and/or to replicate these results on a similar system.

I. Manufacturer

SCREEN Graphic Solutions Co., Ltd.

Tenjinkita-machi 1-1, Teranouchi-agaru 4-chome, Horikawa-dori, Kamigyo-ku, Kyoto

II. Product Name

Print engine model: Truepress LABEL 350UV SAI S

Ink: Truepress Ink for LABEL 350UV LV02

DFE: EQUIOS Version 2.70

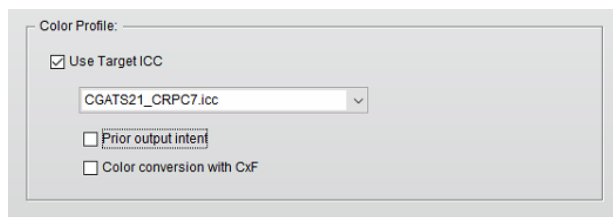Substrate details: Avery Dennison 54#SG FSC/AT2550/40#SCK

III. Overview

The Truepress LABEL 350UV SAI series is designed to meet the ever-increasing demand for variable labels and small- to medium-lot production with short delivery times. This meets client's needs at a high level with its superior instantaneous power, stability, and ability to handle a wide variety of products. Resolution is 600 × 600 dpi, Media width Max. 13.7"(350mm), Media thickness is up to 13.7 mil (0.35mm), and Max. Printing Speed is 60mpm. In addition to CMYK inks, it is equipped with white, orange, and blue inks to reproduce a wide color gamut (CRPC7). The EQUIOS is the workflow automation system built into input file normalization, Imposition, Ripping, and integrated Job management for the transaction, commercial, publish and label printing market.

IV. System Components and Printing Procedure

1. Load the Substrate onto the Truepress LABEL 350UV SAI S

2. Set up the necessary printing conditions following the instruction manual distributed by SCREEN.

   Details of printing conditions are below:

   2-1. Print Head Nozzle check (Optimize the jetting of each print head)

   2-2. Print Head Alignment (Optimize the position between print heads)

   2-3. Print Head Uniformity Alignment (Optimize the color density between print heads)

2-4. Print Density Adjustment (Set the Target color density and create an original Linearize curve using the SCREEN Linearize tool)

3. Print the "ICC Profile chart" on the DFE as 220 % ink amount.

4. Generate the Printer Profile with the i1Profiler.

  4-1. Set the i1Profiler mode to "Advanced".

  4-2. Select" CMYK printer" at Device selection and press "Profiling".

  4-3. In the "measurement tab", select the reference data that matches the printed "ICC profile" chart (Step 3).

  4-4. Measure results using i1 iO3 with i1Pro3 spectrophotometer.

  4-5. Input Profile name, create and save the printer profile in ICM format.

5. Register the created printer profile in DFE using the EQUIOS media management tool.

6. Input the print image data and link it with the created "Printer Profile".

  Specify the target color profile as CGATS21_CRPC7.

7. Create the print image by ripping the Test charts and print them on Truepress LABEL 350UV SAI S

V. Finishing Procedures (Optional)

No finishing applied.

VI. Additional Data (Optional)

Printed in six colors (cyan, magenta, yellow, black, orange, and blue) on Truepress LABEL 350UV SAI S with digital primer option. This product has Digital Primer, Orange, or Blue ink options.