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DIN33871 Standard Testing Statement For Ink

Dear Valued Customer,

This is a testing statement of our ink product for inkjet printer. By comparing the image resolution, color, permeability, fluency with the standard specimen page, our ink products are tested according to the international standard and method provided by DIN33871 with the standard specimen page Form 1-3. Meanwhile, we will also follow this method to test the performance of OEM ink as a reference. Our qualified standard for the image testing is that under the international standard illuminant, the gap between original is within the acceptable range for our naked eyes and the color difference is less than 6.

DIN33871 standard testing method is as follows.

DIN33871 standard formulates that image resolution, reducibility of image representation, the optical density of each color in the print media, text marginal permeability of each color in other colors, the changing gradation trend of color shade, the ink printing fluency are determined by Form1 image test, while by Form 2 to specify and test the size of the output text and the text on the printed page, and by Form 3 to specify and test the size of the output text and the printed page without any words. DIN33871 standard prints circularly 10 pages by Form2, Form3 method to test the production specifications of different color regions for the same set of ink cartridge. In order to reduce error as well as to obtain the overall evaluation for production specification of the whole set of ink cartridge, DIN33871 standard prints circularly 2500 pages through Form 2 and Form 3 testing pages.

DIN33871 test pattern is as follows.

Form1 contains pictures, text, text color penetration effect and color gradient image in DIN33871 test pattern, which will simulate customers' using scope at a maximum level. In Form 2 and Form 3 there are 128 pieces of color lump accumulated by different coordinate values, which will test even more accurately for the matching performance of the ink and its nozzle.

Our inkjet ink is tested strictly based on the above methods so as to provide customers with the most accurate color and stability data.

Yours Sincerely
Apex Technology Co., Ltd

