

**Kornit DTG printer setting suggestion for GILDAN premium cotton series**

在 GILDAN 76000 產品上使用康麗(Kornit)直噴印花機之建議設定值

◎For the ex the front of the shirts with the heavier print has a burst strength ranging from 35 to 48 psi measured in 5 areas. (close to the print, near the shoulder and near the bottom hem)

◎Fabric pH around printed area is 5.7

(噴上底劑後與衣服染料經加熱反應後會使布料變 5.7 偏酸性)

**It is clear that something in the printing has weakened the fiber.** Not sure if the acetic acid based Kornit pre-treat that is sprayed on the fabric and flash cured before digital printing caused the tendering because the fabric pH does not show low enough to cause acid burn. **I would suspect more the time and temperature the shirts were exposed to under the flash cure heating elements that may have burned the fabric.** The sleeves of the garments that would not have been sprayed with pre-treat or exposed to heat are perfect.

To avoid the PH issue, we suggests Kornit users to setup the conditions as follows:

◎ **Belt Conveyor Oven Temperature: 130-132 C, 5-6 min**

(烘乾條件建議: 溫度 130-132 度 C, 時間 5-6 分鐘)

◎ **Pre-treatment solution concentration: 65%**

(建議前處理劑/底劑濃度: 65%)