



Next Generation

Label Management & Barcode Printing Systems

About Cloud Printing Solutions

- Company formed in 2014
- 25 years industry expertise
- Specialist supplier of automatic identification and labelling systems
- Officially UK No 1 Value Added Reseller (VAR) for TSC
- We help businesses modernise legacy automatic identification and labelling systems with next generation data capture, label management and barcode printing systems.
- Systems that provide best practice, process improvement and quality standards to ensure your business is ready for the future of quality controlled or regulatory labelling, such as GS1, UDI, EU Food Regulations, GHS/CLP and more...



Client focus

Manufacturers, Retailers, Healthcare

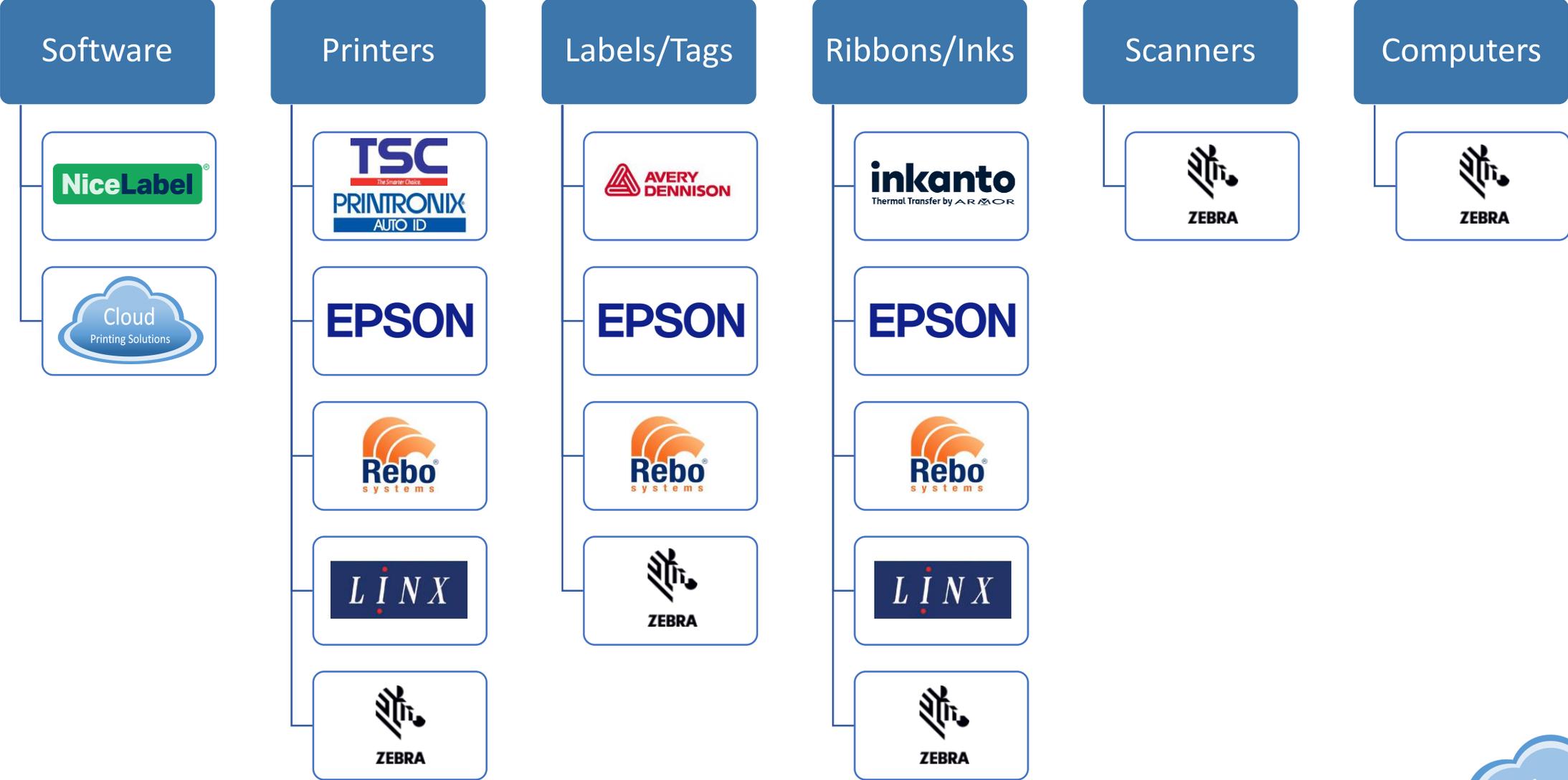
- ☐ Manufacturing
- ☐ Supply Chain
- ☐ Point of Sale

Applications

- Product Identification & supply chain labelling
- HSE & Maintenance labelling
- Multiple or regular template variations
- Quality Systems (BS5750, ISO9001, GMP)
- Compliance & Regulatory (GS1, GHS, UDI, FDA)



Strategic Alliances



Problems with legacy “Direct” thermal label printers

The importance of readable barcodes

- The importance of readable barcodes is well established in (what is now) a mature market technology
- Readable barcodes are critical to ensure accuracy and efficiency in all raw material, finished product and all (packaging, carton, outer carton and pallet) supply chain solutions
- Unreadable barcodes result in multiple problems for suppliers, receivers, point of sale retailers, patients
- Barcode quality compliance is now mandatory in retail, medical device, pharmaceutical industries



Legacy “Direct” thermal label printer problems

Other printing technologies such as laser or inkjet tell you when your consumables are running low, empty or faulty....Thermal printers don't!!

Printheads are consumables, but there is no;

- No printhead diagnostics
- No printhead alerts

The results are continued printing and production of labels with:

- Unreadable text
- Unreadable barcodes

The consequences are:

- Incorrect identification & picking of products
- Errors from manual data input
- Lost or delayed shipments
- Customer or compliance penalties/fines



Solving legacy “Direct” thermal label printer problems

DA200/300 Series



- ✓ Excellent print quality (203 or 300dpi)
- ✓ Pro-active printhead diagnostics and alerts
- ✓ Fast
- ✓ Reliable
- ✓ Low cost

Critical USP

- ❖ TPH Care: Bad bot detection

Other features

- ✓ High quality double-walled clamshell design
- ✓ 6 inches per second print speed
- ✓ Easy media loading
- ✓ USB 2.0 (High speed mode) - Optional Ethernet/BT/Wifi
- ✓ TSPL-EZD firmware emulates Eltron®, Zebra®, Datamax®
- ✓ ENERGY STAR® qualified



DA200/300 Series applications

Product & Outer Carton Labels

Aloo pie

INGREDIENTS
wheat flour, rye flour, water, salt, veg fat, improver, yeast, sultanas, sugar, **hazelnuts**.

Allergy Advice
 For allergens, see **highlighted** ingredients

PRICE 1,19
 BEST BEFORE 5.7.2018
 NET WEIGHT 250 g



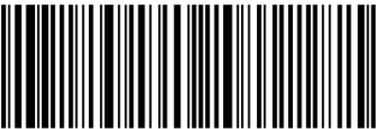

SSCC & Parcel Carrier Labels

PRODUCT

SSCC
03831234560000018

CONTENT 03831234560087 COUNT 0001

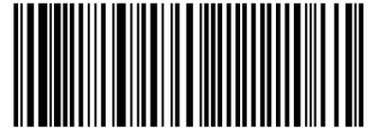
BATCH/LOT 223344 BEST BEFORE 20.05.16



(02)03831234560087(37)0001

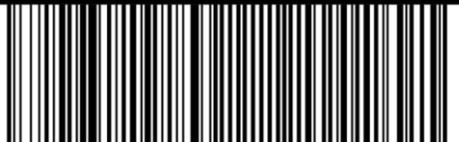


(15)160520(10)223344



(00)03831234560000018

DPD

Consignee: Schmitt & Schneider GmbH Versandservice Herrn Wolfgang Schneider Wasserburger Landstraße 678		DPD 0110 DPD Zahnrad GmbH & Co. KG DE-82271 Dorn Wasserburger Landstraße 678 Telefon: 49 30 31000040
Telefon 0049 89 9222 3699 DE-81827 München (Trudering-Riem)		Sender: Name1: Name2: Street: Postcode: Telephone number:
Ref. number 1: Herbstaktion 303	Delivery 1/1	NOTE: You have to provide the formatted ISO 15434 data into variable "Aztec"
Ref. number 2: Order 303-100867SF	Weight 6,90 kg	
NN-Betrag: EUR 389,99 Inkasso-Art: V-Scheck Verw.-zweck: 303-100867SF		
DPD 10:00 Nachnahme/C.O.D.		
09980000 0200 55 ₃		AM1-COD Service
0004	191-DE-81827	0009
03/07/2018 11:28:50 NiceLabel Designer Pro		
		
0081 827 0998 0000 0200 55 191 276 A		

Prescription Labels

28 RABEPRAZOLE 10MG G/R TABLETS
 ONE OR TWO to be taken DAILY when required
 Swallow this medicine whole.
 Do not chew or crush.

Mr John Smith (12797) 03/04/2018
 John Doe Medical Center Pharmacy
 Shavington, CW2 5HD. 01270 342889



Shelf Edge Cards/Tickets

Brown Sauce

10/09/2018
 47089



123456789012

£1.99

Healthcare & Event Management Wristbands

John W Doe
 MRN: 12345678 DOB: 07/03/2018
 VISIT ID: A12345
 PAT LOC: Day Surgery
 Lab



Critical USP

❖ THP Care: Bad bot detection

➤ What is THP CARE? What can it do?

- ✓ **Powerful** feature to prevent faulty printouts.
- ✓ The printer monitors the print head's health by scanning for bad dots prior to printing.
- ✓ If a damaged heat element is detected, the user will be notified prior to the printing sequence.

Benefits

- ✓ Prevent faulty labels with unreadable text and barcodes from being printed, leading to enhanced quality control and cost savings.
- ✓ Excellent ROI



Midrange/High-end performance for entry level desktop money



Why, and who needs to buy midrange desktop printers for 3 or 4 times the price to print up to 1500 labels per day per printer?

DA210/220 will outpace your fastest operator!

How many items can 1 operator pick/pack/label in 1 day?

Manufacturers specification	25% duty cycle
Hours per day	8
Duty cycle	25%
Hours per day	2
Minutes per day	120
Seconds per day	7200
Inches per day @6 ips	43200
Label length	4
Labels per day	10800

Typical daily volume is 1-3 rolls of labels per day
(approx. 500-1500 subject to label length, using internal 5" OD label rolls)

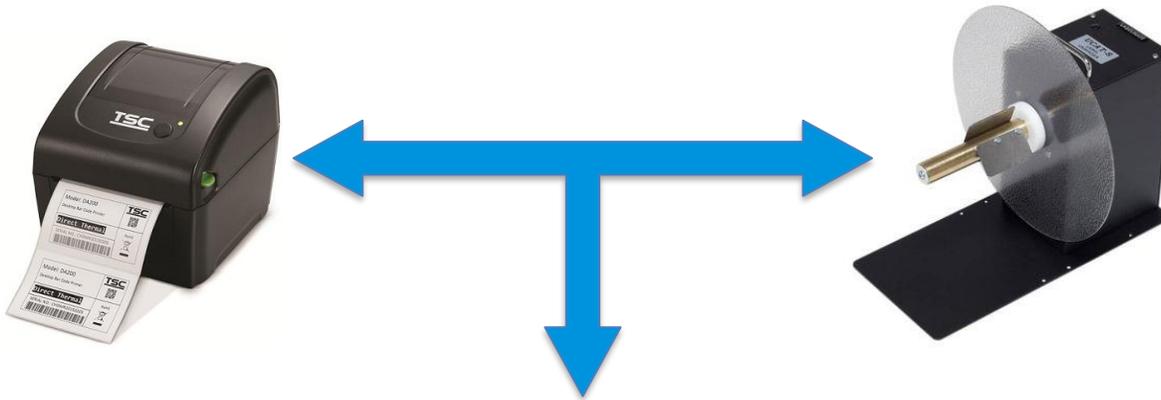
Media handling

Standard Media handling

- ✓ 5" OD, 1" core rolls of labels
- ✓ Rear fed fanfold labels, tags, tickets

Optional Media handling

- ✓ Label unwinder
- ✓ 8" OD rolls of labels
- ✓ 76mm core



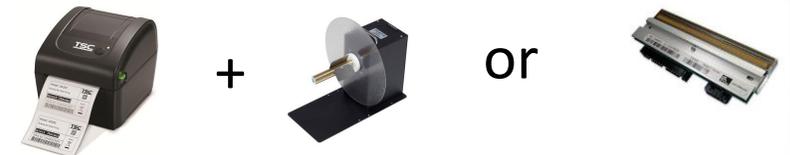
Perfect replacement or alternative to midrange desktop printers when using 8" rolls



Significant application benefits and costs savings to be made by combining the DA210 with the label unwinder compared to midrange desktop printers.

Printheads alone for some midrange desktop printers are more expensive than this total solution combination without the benefits of printhead diagnostics (TPH Care).

Next time you need to change the printhead in your midrange desktop printer, think?



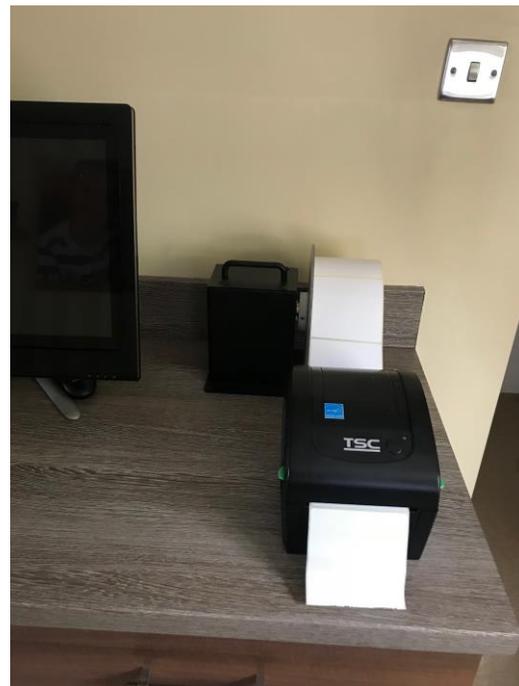
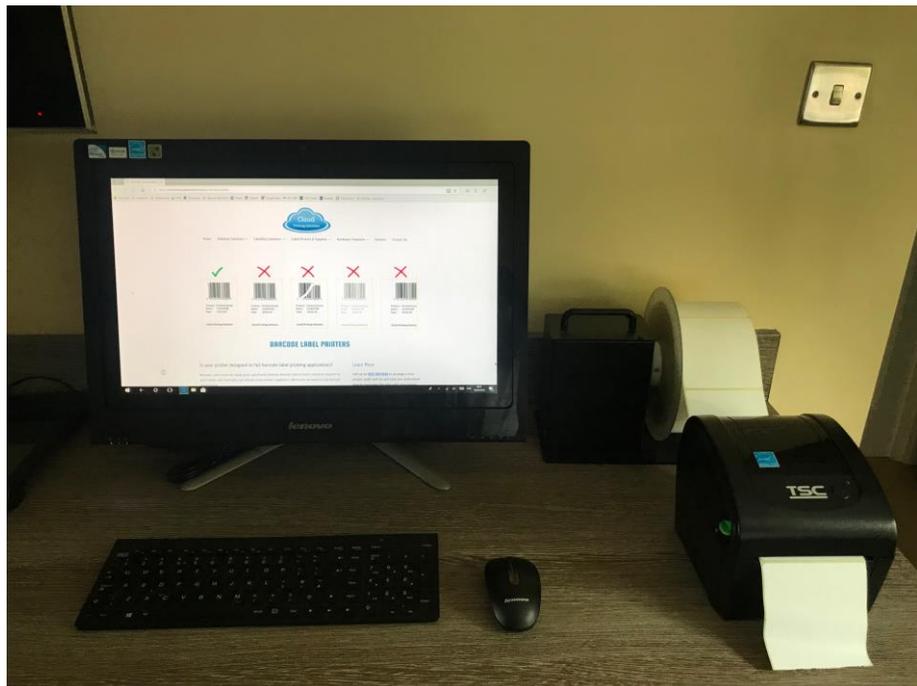
TSC
The Smarter Choice.

8" Media handling

Optional Media standing

- ✓ Label unwinder
- ✓ 8" OD rolls of labels
- ✓ 76mm core

- Minimum space required
- Easy access and loading of media
- Maximum media holding reduces user interventions



DA210 TPH CARE



- **What will printer do when in error state?**
 - Printer stops printing while a bad dot is detected, and solid red LED is light.

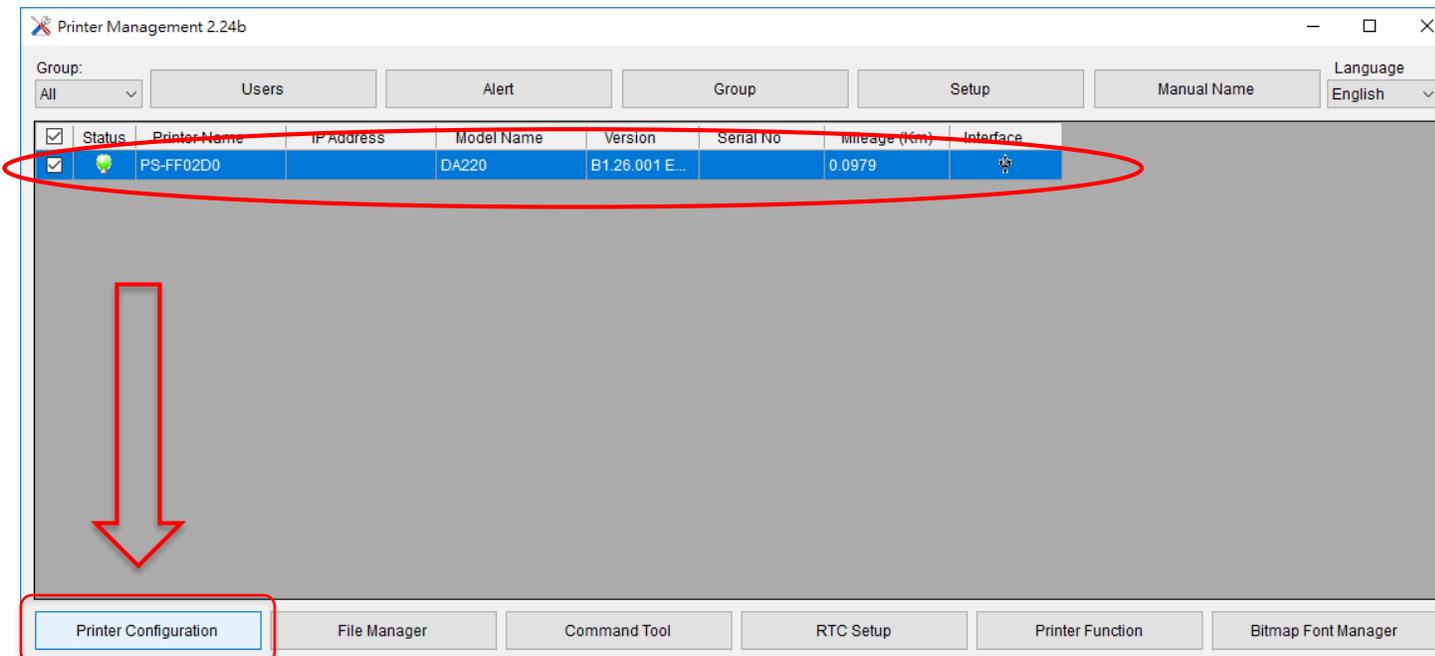
- **How to check the bad dots on TPH and what can user do when error happens?**
 - Use tool **TPM** to check the print head first.
 - Print a **SELFTEST** label for physical check.
 - User can print a **SELFTEST** or **TPH Test Page** to check the damaged position.

- **What can user do if TPH is damaged?**
 - Contact support team to replace the print head.

- **Can Support Team ignore/skip this error if they want to accept the damaged point on the printhead?**
 - They can use **TPM** to extend limitation.

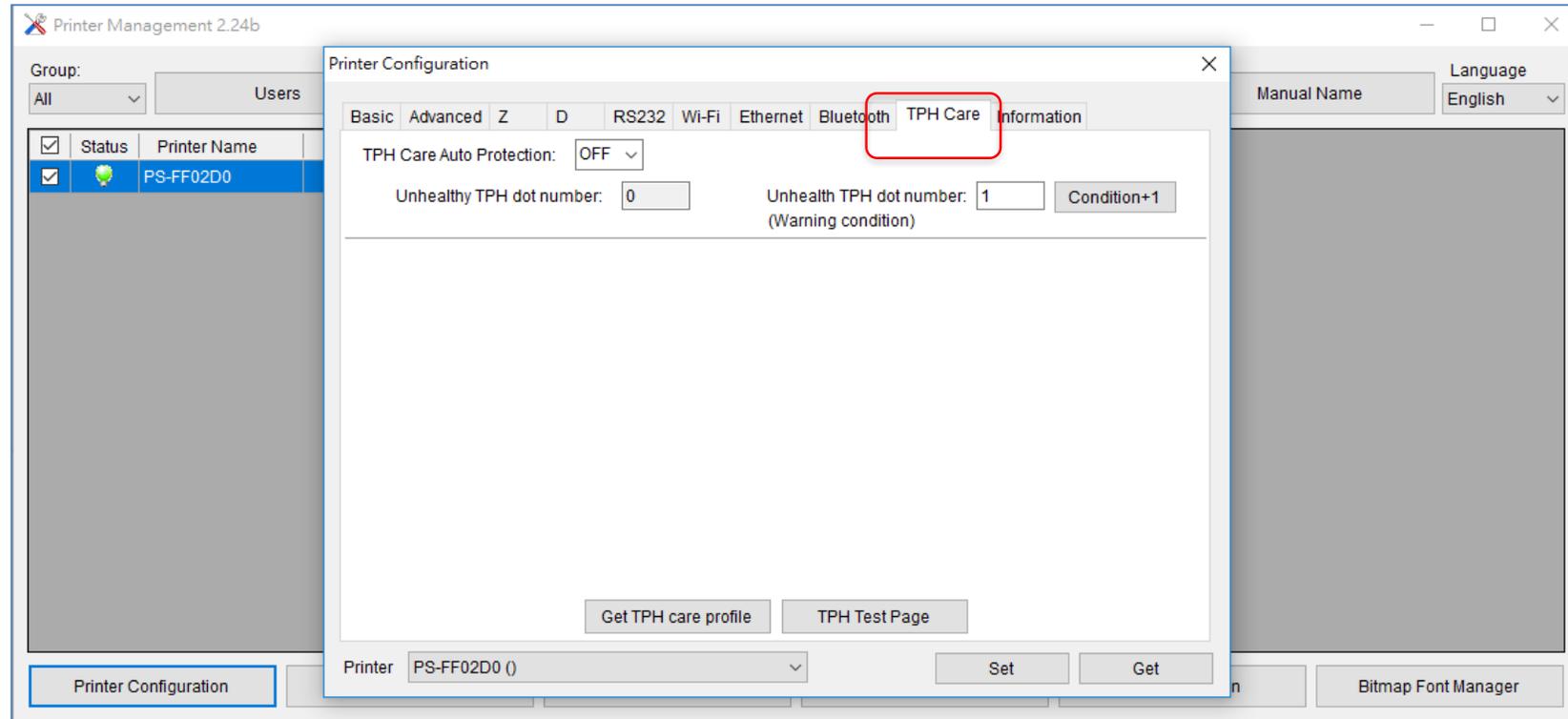
How to Use TPM to Check TPH Healthy - 1

- Connect printer and PC
- Turn on the printer
- Open **TPM** tool
- Select the printer and the [**Printer Configuration**] button is showing.
- Click button [**Printer Configuration**].



How to Use TPM to Check TPH Healthy - 2

- Select the tab [*TPH Care*] to setup the function.



How to Use TPM to Check TPH Healthy - 3

- TPH Care

Enable/disable **TPH CARE** function, default is disable (**OFF**).

Unhealthy TPH dot number. "0" means the print head is good.

Click [**Get TPH care profile**] and there will be a diagram showing on the above area. If the red line is flat, it means the print head is good. If any surge, it means bad dots happen.

Printer Configuration

Basic Advanced Z D RS232 Wi-Fi Ethernet Bluetooth **TPH Care** Information

TPH Care Auto Protection: ON

Unhealthy TPH dot number: 0 Unhealth TPH dot number: 1 (Warning condition) Condition+1

Get TPH care profile TPH Test Page

Printer PS-FF02D0 () Set Get

Click [**TPH Test Page**] to print a label to check the bad dot position.

Set settings to printer.

Warning condition, default is "1". "1" means the printer will stop printing if 1 bad dot is detected. If user doesn't care this bad dot, they can click the button [**Condition + 1**] to extend the limitation.

The Surge Shows the Bad Dot Position



This surge means the position of bad dot position. We also can refer to the picture of print head below to check the position when printing a TPH test pattern.

Printer Configuration

Basic Advanced Z D RS232 Wi-Fi Ethernet Bluetooth TPH Care Information

TPH Care Auto Protection: ON

Unhealthy TPH dot number: 1 Unhealth TPH dot number: 1 Condition+1 (Warning condition)

Get TPH care profile TPH Test Page

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Q & A