United **Barcode Systems**
Labeling, Coding & Marking

TJX UVLED

The right choice

Thermal Inkjet Printers

- **Autoconfigurable UBS Cartridges.**
- **Each cartridge is a new printhead.**
- **Clean technology, no leaking or heavy odors.**
- **Fast & Easy integration.**
- **AppCode Android connectivity.**
- **Up to 50 m/min printing speed.**
- **Printing on any surface.**
- **Compact printing module and control unit.**
- **Label Designing software UBS Designer Lite and UBS Designer Pro.**
- **SPIT function – NO Decaptime.**
- **PWM System – The UV LED power adapts to line speed.**

"Unique instant curing system: UV LED Curing On Board Security System ®"

The United Barcode Systems **Thermal Inkjet UV LED** printers, are specially designed for primary product coding and marking. We are able to adapt to customers demands, thanks to the different working modes of the printhead (more capacity, printing resolution, even safe costs on ink consumption).

TJX hardware design is optimized for implementation into any production line or packaging machine. Additional cartridge protection thanks to "open lid" detection feature.

The electronic architecture of this printer allows fixed and variable messages to be generated and controlled. All this in real time and at high speeds and cadences.

The**TJX UV LED** printer has a graphical interface that allows the user to visualize the general status of the printer at any moment (ink level, ink type, formats, etc.).

TJX UV LED is capable to print serialized codes, preloaded in batches through communication protocol.

The **TJX UV LED** is specifically developed for printing on any surface, porous and non-porous.

The UV LED has two working modes:
- Standalone: autonomous curing system. The UV LED does not depend on the printer in the curing process.
- TTL: System synchronized with the printer. Help to increase LED service life.

PWM feature, developed by UBS for prinitg in continous, by adapting automaticaly the light potency to the printing speed.

TJX Series printer can be managed form tablet with intuitive graphic interface for better control of current status and main printing characteristics.

Specially designed APP: **TJX Appcode** can be downloaded using bluetooth connection.

Easy message creation using **UBS Designer** editor allows to get message created and sent to the printer in few simple steps.

The UV LED ink, developed and produced by UBS, is stabilized for autoclave freezing and sterilization processes. (Consult colors)

TJX UVLED

Thermal Inkjet Printer

Unique UV LED Curing on Board Security System

Technical features

DESCRIPTION	Thermal Inkjet Printer
POWER SUPPLY (PRINTER) POWER SUPPLY (CURING SYSTEM)	External module INPUT 110v / 240v I 50-60Hz I 10W External module INPUT 110v / 240v I 50-60Hz I 85W
TEMPERATURE	From 5°C up to 40°C (41°F up to 104°F)
HUMIDITY	From 5% up to 85% non-condensed

Consumable

INK TYPE	UV LED Low migration Ink
COLORS	Black. Other under request. **Consult colors**
FORMAT AND VOLUME	Ink cartridge 40 ml

Printing module features

PRINTING HEIGHT	Up to 12.7 mm (0.5 in)
PRINTING SPEED	Up to 50 m / min (up to 67 ft / min)
RESOLUTION (Vertical / Horizontal)	From 300 dpi up to 900dpi with ranges of 100 in 100 (Horizontal Resolution). 300 dpi / 600dpi (Vertical Resolution)
DISTANCE TO PRINTING SURFACE	Up to 3 mm (0.12 in) (depending of speed and Ink Type)
BARCODES	GS1-128, GS1-DATAMATRIX, EAN-UCC 13, PHARMACODE, etc…
DATA	Fixed or variable text (BB date, counters,Batch Number formulas... etc.) logos, images..
OPTIONS & ACCESORIES	External encoder kit,AUX box, SYNC box, light beacon alarm with line stop output, photocell RGB Contrast.

UVLED Curing System features

CURING AREA	17 x 30 mm
COOLING SYSTEM	By air
DURABILITY	>20000 Hours
WARRANTY	1 year
WORKING MODE	2 activation modes - Standalone - TTL (synchronized with the printer)
SEGURIDAD	OBSS: On Board Security System PWM (en modo TTL) + encoder

Controller features

DISPLAY	1,7" screen for printer status view
CONNECTIVITY	1 USB x 1 RJ45, Bluetooth
SOFTWARE LABEL DESIGN	UBSDesigner Lite and UBS Designer Pro

APPCode features

COMPATIBILITY	Tablet Android
CONNECTIVITY	Bluetooth

Connection

ETHERNET USB

According to UBS policy of continuous improvement, our products specifications are subject to change without previous notification.