



United Barcode Systems
Labeling, Coding & Marking

TJXe

The right choice

TJXe: COMPACT CODING

The TJXe Series is a thermal inkjet printer for product coding, capable of printing on any surface. It delivers solutions for the food and beverage, pharmaceutical, cosmetics, automotive, and other industries.



ON ANY SURFACE

Using water-based inks, solvent-based inks, or UV ink, the TJXe prints on glass, plastics, painted materials, paper, cardboard, wood, metal, and more.

HALL EFFECT

The printhead can detect when the cover is open and pause printing to prevent cartridge damage. The open-cover signal can also prevent products from passing without being printed during consumable changes.

INTEGRATION

Rugged, compact mechanical design for easy integration and positioning on any production line or FFS/flowpack machinery.

SELF-CONFIGURING CARTRIDGES

Each cartridge works like a new printhead. Clean technology with no strong odors.

NO DECAPPING TIME

The automatic SPIT function performs periodic micro-purges to prevent ink channel clogging, keeping the TJXe in optimal condition and continuously ready to print.

GS1 COMPATIBLE

Designed and manufactured to print on primary packaging any text, logo, symbol, and fully readable 1D/2D barcodes compatible with GS1 standards (GTIN-13, GTIN-14, GS1-128, GS1 DataMatrix, QR, etc.).



7" CONTROLLER

A graphical interface that allows users to view the printer's overall status at all times: cartridge ink level, ink type, selected format preview, etc.

PRINT SPEED

Up to 300 m/min and up to 70 prints/sec (4,200 per minute) with a single printhead.*

PRINT SPECIFICATIONS

Print height: 12.7 mm (0.5"), Horizontal resolution: 100 dpi to 900 dpi, Vertical resolution: 300 dpi or 600 dpi

MESSAGE DESIGN

UBS DESIGNER software simplifies creating, editing, and sending messages to the printing systems.

SERIALIZATION

Enables product serialization management using preloaded files.

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TECHNICAL SPECIFICATIONS

DESCRIPTION	Thermal Inkjet Printer
POWER SUPPLY	External module INPUT 110V / 240V 50–60Hz 65W
TEMPERATURE	From 5°C to 40°C (41°F to 104°F)
HUMIDITY	From 5% to 85% non-condensing

CONSUMABLES

INK TYPE	Water-based (porous), Solvent-based (non-porous) or UV (non-porous)
COLORS	Black. Other colors available on request
FORMAT AND VOLUME	40 ml cartridge

PRINT MODULE FEATURES

PRINT HEIGHT	Up to 12.7 mm (0.5 in)
PRINT SPEED	Up to 300 m/min (up to 984 ft/min)
RESOLUTION	From 100 dpi to 900 dpi in steps of 100 (Horizontal Resolution) 300 dpi or 600 dpi (Vertical Resolution)
PRINTHEAD / SURFACE DISTANCE	Max 3 mm (max 0.11 in) (depending on speed and ink type)
BARCODES	GS1-128, GS1-DATAMATRIX, QR, EAN-UCC 13, PHARMACODE, etc.
DATA	Fixed or variable text, formulas, logos, images, dates...

CONTROLLER FEATURES

DISPLAY	7" screen for print status monitoring
CONNECTIVITY	USB and Ethernet
LABEL DESIGN SOFTWARE	UBS DESIGNER Lite and UBS DESIGNER Plus
PERIPHERALS	UVLED curing system and encoder



*Maximum speeds and production rates will depend on the message design and its components.
Due to our continuous improvement policy, our product specifications are subject to change without prior notice.



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Thermal Inkjet 

