TX Exp
TOUCHSCREEN LABEL PRINTER



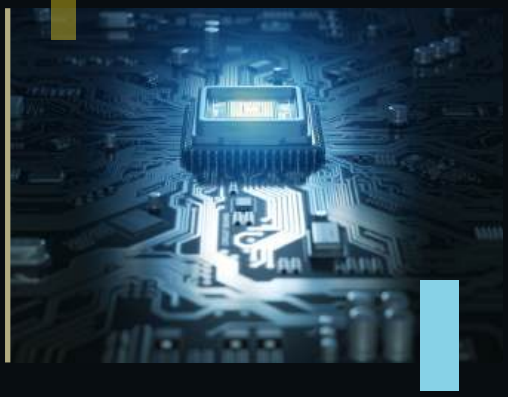
STYLE BEYOND LIMITS,
PERFORMANCE BEYOND EXPECTATIONS.

Performance has always been the top priority for every POSTEK printer. Built on the solid OX series platform, the new TX series now comes with an integrated peeler/rewinder combo, on top of all the innovative features that users have come to know and love. The new, rugged golden aluminum alloy exterior delivers unmatched durability, making the TX series a perfect choice for any harsh condition an industrial label printer may face.

MULTI-INTERACTIVE, SMART PRINTING

Overview

In our increasingly connected world, individual devices keep getting smarter to make life easier, and POSTEK printers are no exception. As early adopters of a software architecture that breaks the traditional mold, POSTEK printers are no longer just one part of the printing process but the brain of the whole operation. From advanced custom software capabilities, such as accessing cloud databases directly from the printer, to built-in logic controllers that eliminate the need for external PLCs or extra programming, and a powerful quad-core processor enabling real-time visual verification without external hardware, POSTEK's advanced multi-interactive smart printers deliver an unmatched boost in convenience and efficiency.

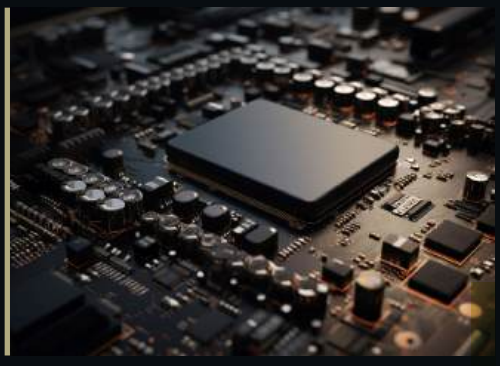


Built-in performance

The TX series features an industry-leading 1.8GHz quad-core MPU and a powerful GPU with hardware acceleration for 2D/3D graphics, providing ample processing power for constant, high-demand print jobs as well as highly customized software applications.

Build It, Store It, Run It

With over 2 GB of RAM and 8 GB of flash storage, the TX series enables never-before-seen use cases where the printer handles not only most of the processing but also data storage. Easily store tens of thousands of data files — Excel, label templates, fonts and graphics — directly on the printer, and print with just a few taps on its screen.





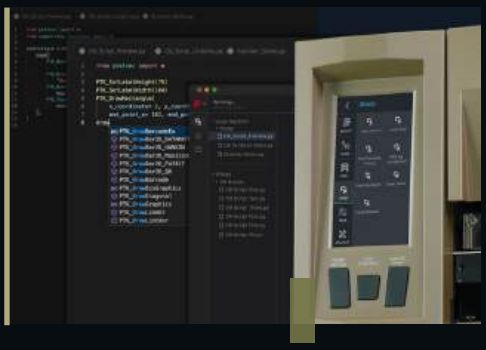
Unplug the cables, plug into freedom

Leave the cable tangle behind and enjoy the freedom of the built-in Bluetooth/Wi-Fi module. Connect seamlessly and monitor your printer fleet from wherever suits you. Simplify your workflow and take control without being physically tied to the printers.

OX Script

Printing without a computer has been possible for decades, but it requires predefined templates stored in the printer, with only one or two parameters that can change in real time. With OX Script, POSTEK's Python-based scripting language, templates are a thing of the past. Based on various preset conditions and requirements, every element of every label in every print job can differ from the one before and after. Who sets the conditions, you may ask? You do. OX scripts give you the freedom and flexibility to fully customize the print script to your needs.





OX Script, the new standard in customization

With OX Script you can easily build complex, extensive custom software for the printer, enabling never-before-seen use cases. From reading/writing cloud databases directly from the printer to accessing files stored locally on it and creating application-specific user interfaces, OX Script offers unprecedented freedom and customization — no PC required for complex use cases.

One screen to do it all

With a 4.5-inch color touchscreen and an easy-to-use interface, printing can be started directly from the printer's screen. The large display also offers a built-in keyboard, making real-time data entry easy for users.



FEATURES



Golden aluminum alloy exterior

The new golden aluminum alloy exterior offers not only a fresh look but also a fully equipped built-in peeler, delivering the best possible peeling performance while keeping one of the smallest form factors found in an industrial printer.









Fixed print engine frame

A unique, patented aluminum print engine frame underpins the TX Series. Combined with all-metal construction, the new TX Series offers unmatched stability and durability while keeping consumables loading as convenient as ever.



Advanced Dynamic Adaptive Precision Tuning (ADAPT™)

Say goodbye to poor print quality caused by platen roller wear, changes in material thickness or different material friction coefficients. With the innovative precision calibration algorithm, the industry's best print quality is achieved through a simple automatic calibration process — delivering consistent, accurate printing while drastically reducing maintenance needs.

Optimal Ribbon Tension Adjustment Scheme

This patent-pending, easy-to-use method brings unprecedented simplicity and convenience. Using the Allen key included with the printer, you can easily adjust ribbon tension with minimal training or prior experience.





HEAT™ Technology

Powered by one of the most advanced quad-core application processors, the POSTEK printer makes full use of cutting-edge HEAT™ printing technology to deliver best-in-class print quality. Combined with a 4.5-inch touch control panel and a series of new mechanical innovations, it delivers an entirely new user experience, unmatched in the on-demand label printing industry.

Real-time remaining consumable levels

In today's fast-paced world, downtime spent replacing consumables is a necessary evil that must be minimized to maximize productivity. Never be caught off guard again: real-time monitoring of remaining consumable levels keeps you always prepared.





RFID Verification

The optional RFID verification kit detects errors or mismatches immediately. It marks the faulty label or tag and automatically reprints it with the same data.

SPECIFICATIONS

Model	TX2 Exp	TX3 Exp	TX6 Exp
RFID model	TX2r Exp	TX3r Exp	TX6r Exp
Print mode	Direct Thermal and Thermal Transfer		
Print resolution	203 dpi	300 dpi	600 dpi
Max. print speed	16 ips (406.4 mm/s)	12 ips (304.8 mm/s)	6 ips (152.4 mm/s)
Max. print width	4.09" (104 mm)	4.16" (105.7 mm)	4.16" (105.6 mm)
Max. print length	196" (5000 mm)		
MPU	Quad-core 64-bit Arm® Cortex®-A53, max. operating frequency 1.8 GHz		
GPU	GC NanoUltra 3D (1 shader) &GC320 2D OpenGL ES 2.0		
Memory	2GB DDR4 RAM, 8GB managed NAND flash		
HEAT™ level ①	I		
RFID encoder	Supports UHF EPC Gen 2, ISO 18000-6C protocols (RFID models only)		
Media roll	Max. media width: 4.56" (116 mm) Min. media width: 0.39" (10 mm) Max. outer diameter: 8" (203.2 mm) Inner diameter: 1.5" (38 mm) / 3" (76.2 mm)		
Minimum label length	Tear-off: 0.2" (5 mm)		
	Peel-off: 0.47" (12 mm), with peeled-label detection 0.2" (5 mm), without peeled-label detection		
	Cutter: 0.79" (20 mm)		
Media thickness	For standard barcode label printers and standard RFID label printers: 0.0024" ~ 0.012" (0.06 ~ 0.305 mm), including liner		
	For on-metal RFID label printers ②: 0.063" (1.6 mm) max., including liner		
Ribbon	Max. ribbon length: 1968' (600 m) Max. ribbon width: 4.65" (118 mm) Max. outer diameter: 3.31" (84 mm) Inner diameter: 1" (25.4 mm) Ink side: in or out		
Media sensor	Top reflective: detects black marks on the print side Bottom reflective: detects black marks on the back Transmissive: detects gaps, notches, holes Five built-in bitmap fonts, including the Basic Latin and Latin-1 Supplement character sets. Two built-in scalable fonts: one supports Latin, Greek and Cyrillic scripts, and the other is specifically a GB2312 Chinese character set. User-downloadable TrueType fonts.		
Fonts			
Barcode types	Barcodes: Code 39, Code 93, Code 128/subset A,B,C, Codabar, Interleave 2 of 5, UPC A/E 2 and 5 add-on, EAN-13/8/128, UCC-128, GS1-128, etc. 2D barcodes: MaxiCode, PDF417, Data Matrix, QR Code, GS1 DataMatrix, GS1 QR Code, CS Code, etc.		
Interfaces	RS-232 Serial, adaptive 10/100/1000Mbps Ethernet, USB DEVICE 2.0, USB HOST		
LCD display	4.5" capacitive touchscreen		
Power supply	100 ~ 240 V AC, 50/60 Hz		

Weight	36.38 lbs (16.5 kgs)
Dimensions	With peeler: W 11.3" (286 mm) × D 17.6" (448 mm) × H 11.4" (289 mm) Without peeler: W 11.3" (286 mm) × D 17.6" (448 mm) × H 10.7" (271 mm)
Operating environment	Temperature: 32°F ~ +104°F (0°C ~ 40°C) Relative humidity: 5% ~ 90% non-condensing Max. altitude: 5000 m
Storage environment	Temperature: -40°F ~ +140°F (-40°C ~ 60°C) Relative humidity: 5% ~ 90% non-condensing

① HEAT™ (Heat Equilibrium Adaptive Tuning), developed by POSTEK, is a cutting-edge technology for controlling thermal printhead heating. With HEAT™, POSTEK printers significantly improve print clarity and print speed. The HEAT™ level represents the fineness of heating uniformity, with level I being the finest. For on-metal RFID tags, tag flexibility and whether fillers are used between tags can affect print quality and even the encoding success rate. We strongly recommend testing the
② tags on this POSTEK printer before purchasing them.

Optional configuration

Auto peeler	A dedicated peel roller set, together with an internal liner rewinder			
RFID verifier	Externally mounted module (RFID models only)			
Wireless module	Wi-Fi IEEE 802.11a/b/g/n/ac/ax, 2.4/5GHz, Bluetooth 5.0			
Cutters	Type	Rotary cutter		
	Models	A150S	A400S	A400P
	Max. cut width	120 mm	120 mm	120
	Min. cut length	20 mm	20 mm	20 mm
	Cut speed	0.8 sec/cut	0.8 sec/cut	0.15 sec/cut
	Cut thickness (white cardboard)	0.20 mm	0.20~0.35 mm	0.35 mm
	Cuts through adhesive	Yes	Yes	Yes
	Guaranteed cuts	600,000	600,000	600,000

*Factory dependent.

Optional auto peeler *







GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
glretail.us