

TX Exp

TOUCH SCREEN LABEL PRINTER



STYLE BEYOND LIMITS,
PERFORMANCE BEYOND EXPECTATIONS.

Performance has always been the top priority for any POSTEK printer. Built upon the solid OX series platform, the new TX series now comes with a built-in peeler/rewinder combo on top of all the innovative features users

have come to know and love. The tough new golden aluminum alloy exterior allows for unparalleled durability. Making the TX series a perfect choice for any harsh condition one can throw at an industrial label printer.

MULTI-INTERACTIVE & SMART PRINTING

Overview

In our increasingly connected world, individual devices have gotten smarter and smarter to make lives easier. POSTEK printer is certainly no different. Being the first to embrace a software architecture that breaks the traditional mold. POSTEK printers are no longer just a part of the printing process, but the brains of the whole operation. From advanced custom software capabilities like accessing cloud databases from the printer directly, to onboard logic controllers removing the need for external PLC/additional programming, to the powerful four-core processor enabling real-time visual verification without any external hardware, the advanced multi-interactive smart printers from POSTEK can bring about unparalleled boost to convenience and efficiency.

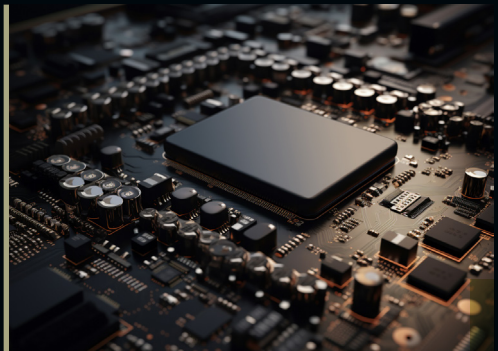


Performance built-in

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

Built it, Store it, Run it

With more than 2G of RAM and 8G of flash, the TX series allows for never-before-seen use cases where the printer not only handles the majority of the processing, but data storing as well. Easily store tens of thousands of data files like Excel, label templates, fonts, and graphics directly on the printer, and print away with just a few taps on the printer's screen.



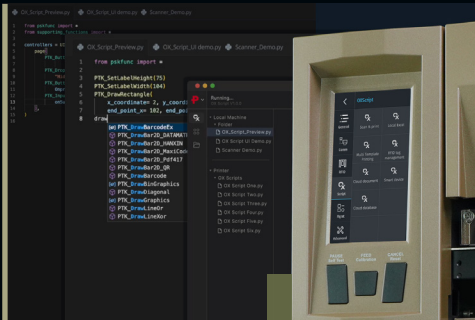


Cuts the Cords, Connect the Freedom

Ditch the tangle of cords and revel in the freedom offered by the integrated Bluetooth/Wi-Fi module. Seamlessly connect to and oversee your printer ensemble from any location that suits you. Streamline your workflow and take control without being physically tethered to the printers.

OX Script

Printing without a computer have been possible for a few decades. However, it requires a pre-made templates to be stored on the printer and the template only have one or two parameter that can be modified in real time. With OX script, a POSTEK scripting language based off of python, templates are a thing of the past. Based on various pre-set conditions and requirements, every element of every label in every print job can be different from the one before it and the one after it. Who sets the conditions then? You may ask, and the answer is you do. OX scripts give you the freedom and flexibility to fully customize the printing script to best fit your needs.

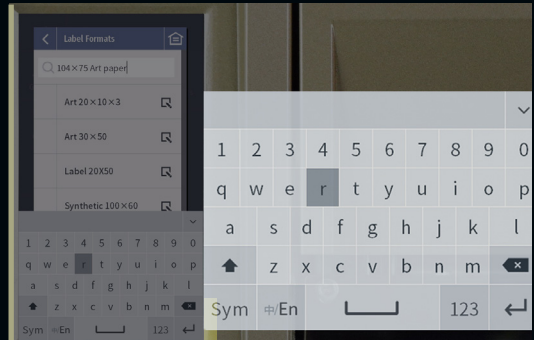


OX Script, the new standard of customization

Through OX Script, one can easily create complex and extensive custom software for the printer. Enabling use cases never before seen. From reading/writing to cloud databases directly from the printer, accessing files stored locally on the printer, and creating User Interfaces specific to the application, OX Script offers an unprecedented level of freedom and customization. Breaking free of the requirement of a PC for complex use cases.

One Screen to do it all

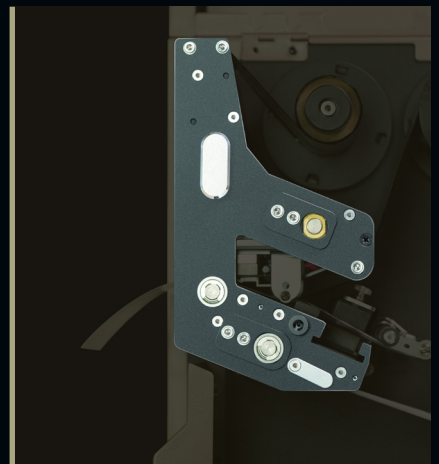
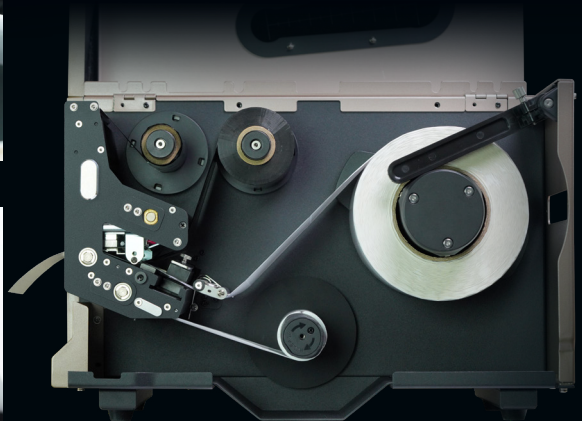
Equipped with a 4.5-inch colored touch screen and a user-friendly interface, printing can be started directly using the printer's screen. The big screen also allows for an incorporated keyboard, making it easy for real-time user input.



FEATURES

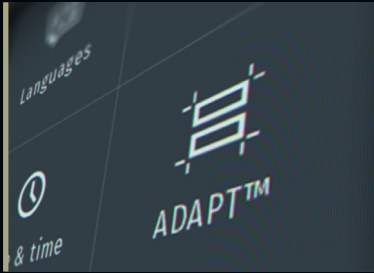
Golden Aluminum Alloy Exterior

The brand-new golden aluminum alloy exterior offers not only a refreshed look but also a fully featured built-in peeler. Offering the best possible peeler performance while maintaining one of the smallest form factors one can find in an industrial printer.



Fixed Print Engine Frame

A unique, patented aluminum print engine frame underpins the TX Series. Combined with the all-metal construction, the new TX Series delivers unparalleled stability and durability while maintaining uncompromising levels of convenience for consumables loading.



Advanced Dynamic Adaptive Precision Tuning (ADAPT™)

Say goodbye to poor printout quality due to wear and tear on the platen roller, changing of media thickness, or different friction coefficient of media. With the innovative precise calibration algorithm, the best printout quality in the industry can be achieved with a simple automatic calibration process. Providing consistent, precise printout while drastically cutting back on the need for maintenance.



Optimal Ribbon Tension Adjustment Scheme

This patent-pending, user-friendly method has brought unprecedented simplicity and convenience. Through the Allen wrench bundled with the printer, you can easily finetune the ribbon tension with minimal training or prior experiences.



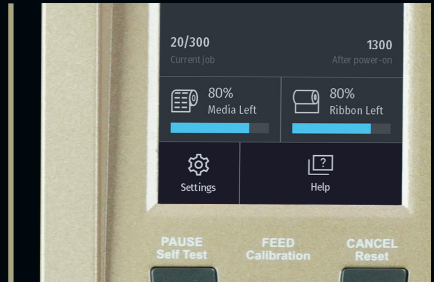
HEAT™ Technology

Powered by one of the most advanced quad-core applications processors, the POSTEK OX series printer takes full advantage of the cutting-edge HEAT™ printing technology, providing the best in class printout qualities. Combined with a 4.5-inch touchscreen control panel and a number of new mechanical innovations, the OX series printer unveils a brand-new user experience unparalleled in the on-demand label printing industry.



Real-time remaining consumable levels

In today's fast-paced world, lost time due to the need to replace consumables is a necessary evil that should be minimized at all costs to maximize productivity. Never be caught off guard again with real-time remaining consumable levels monitoring so you would always be prepared



RFID Verification

The optional RFID verification package detects errors/mismatches immediately. Marking the erroneous label or tag and reprinting with the same data automatically.

SPECIFICATIONS

Model	TX2 Exp	TX3 Exp	TX6 Exp
Model with RFID	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	64-bit, quad Arm® Cortex®-A53 core, maximum 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 [Ⓢ]	I		
RFID Encoder	Supports UHF EPC Gen 2, ISO 18000-6C protocols (Only available for RFID models)		
Media Roll	Maximum Media Width: 4.56" (116 mm) Minimum Media Width: 0.39" (10 mm) Maximum 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 detect 0.2" (5 mm), w/o peeled-label detect		
	Cutter: 0.79" (20 mm)		
Media Thickness	Regular Barcode Label Printer and Regular RFID Label Printer: 0.0024" ~ 0.012" (0.06 ~ 0.305 mm), including liner		
	Mount-on-Metal RFID Label Printer [Ⓢ] : 0.063" (1.6 mm) max., including liner		
Ribbon	Maximum Ribbon Length: 1968' (600 m) Maximum Ribbon Width: 4.65" (118 mm) Maximum Outer Diameter: 3.31" (84 mm) Inner Diameter: 1" (25.4 mm) Ink side: both In and Out		
Media Sensor	Upper reflective: detects black marks on print side Lower reflective: detects black marks on back side Transmissive: detects gaps, notches, holes		
Fonts	Five built-in dot matrix fonts, which include Basic Latin and Latin-1 Supplement character sets. Two built-in scalable fonts. One supports Latin, Greek and Cyrillic scripts, and the other is a GB2312 Chinese character set specifically. User downloadable TrueType fonts.		
Barcode Types	1D 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, 10/100/1000Mbps Adaptive Ethernet, USB DEVICE 2.0, USB HOST		
LCD Display	4.5" LCD Capacitive Touchscreen		
Power Source	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 Maximum Altitude: 5000 m
Storage Environment	Temperature: -40°F ~ +140°F (-40°C ~ 60°C) Relative humidity: 5% ~ 90% non-condensing

① HEAT™, or Heating Equilibrium Adaptive Tuning, is a POSTEK designed and developed cutting-edge technology that sets the benchmark for heat management in thermal printing. Printers equipped with HEAT™ have significant improvements in their printout clarity and print speed. The HEAT™ level represents the fineness of the heating uniformity with level I being the finest.

② For Mount-on-Metal RFID tags, the flexibility of the tag and whether or not to use fillings to bridge the gaps between tags can affect print quality and even encoding success rate. It is strongly recommended to test the tags on this POSTEK printer before purchasing.

Optional Configuration

Automatic Peeler*	A dedicated set of peeling rollers, along with an internal liner rewriter			
RFID Verifier*	External-mount module (Only available for RFID models)			
Wireless Module*	WIFI IEEE 802.11a/b/g/n/ac/ax, 2.4/5GHz, Bluetooth 5.0			
Cutters	Type	Rotary Cutter		
	Model	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 paper)	0.20 mm	0.20-0.35 mm	0.35 mm
	Cut Through Adhesive	Yes	Yes	Yes
	Cuts Guaranteed	600,000	600,000	600,000

* Factory dependent.

Optional Automatic Peeler*





POSTEK

RUGGED PARTS, DURABLE MACHINES

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