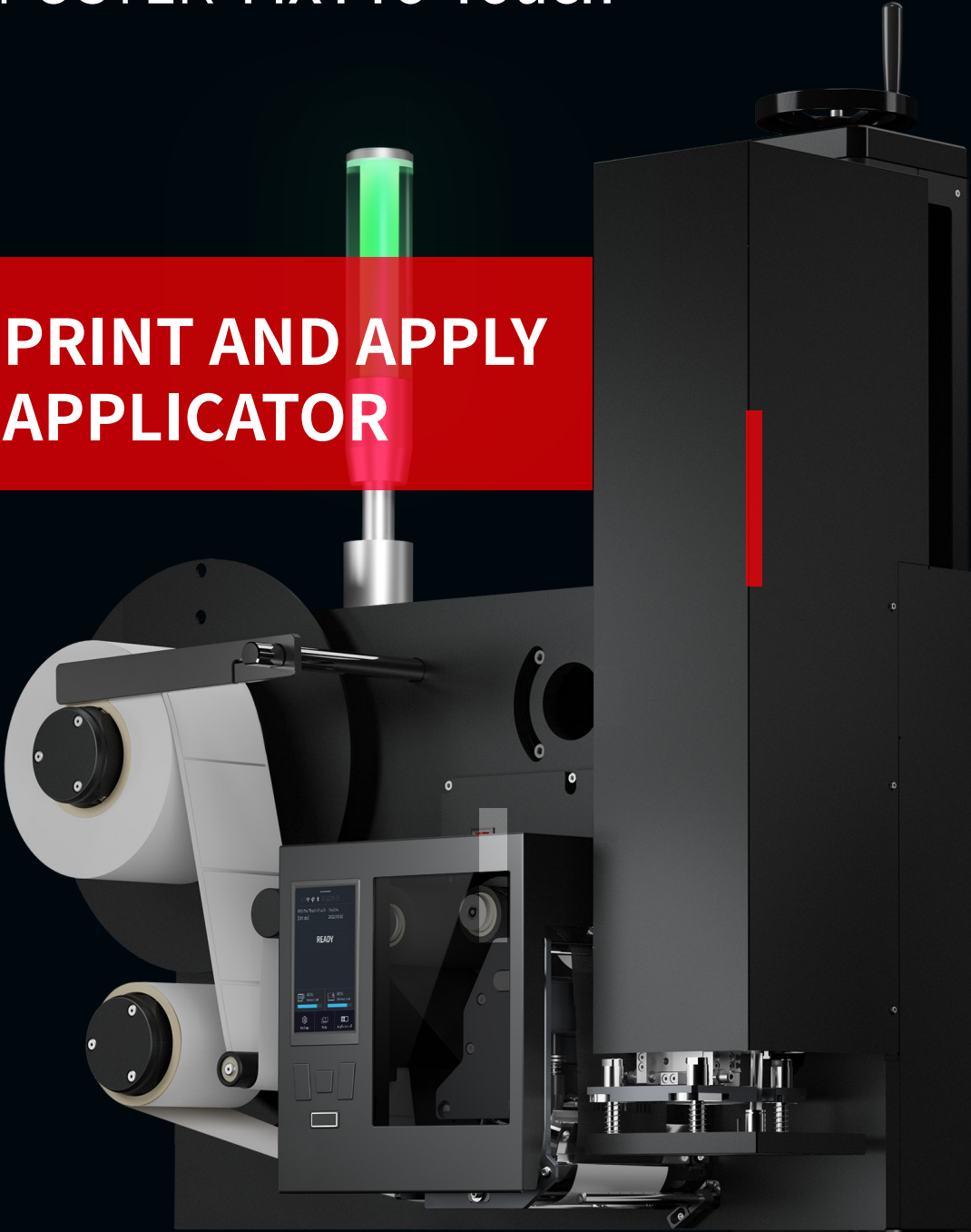
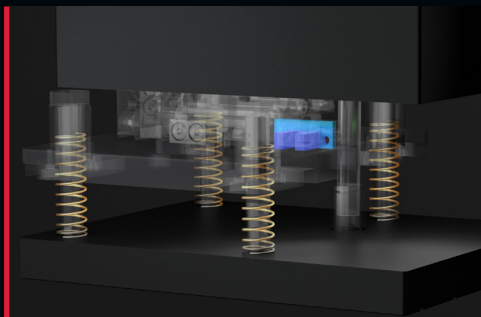


POSTEK MX Pro-Touch

**PRINT AND APPLY
APPLICATOR**



TOUCH-ON



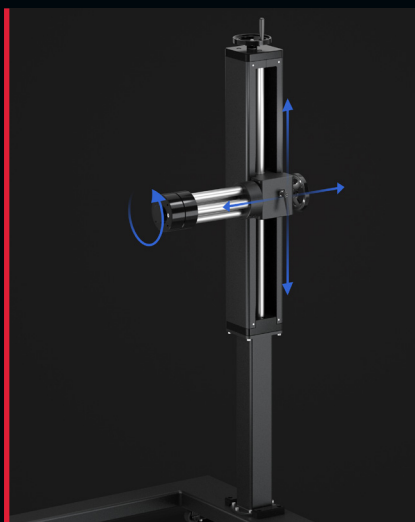
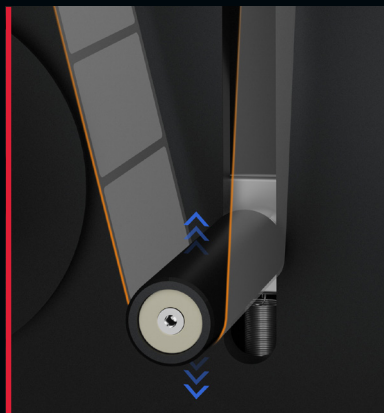
Adaptive Applicator

With built-in contact sensors, the applicator can automatically adapt to any item height within its travel range. Ensuring the labels are applied with consistent pressure and accuracy regardless of the dimension of the item.



Linear Dancer With Braking System

With an advanced media tension control system utilizing a linear dancer in combination with an automatic braking system. The MX Pro-Touch ensures proper media tension at all times, maximizing printout quality, printing accuracy, and precise label application.



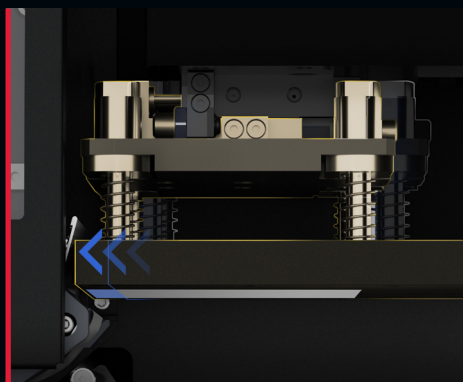
Multi-Axis Adjustable Stand

Easily adjust the up/down, forward/backwards position as well as the rotation of the Print & Apply unit through the integrated multi-axis adjustable stand. Making the adaptable MX Pro-Touch the best choice for a wide range of applications.



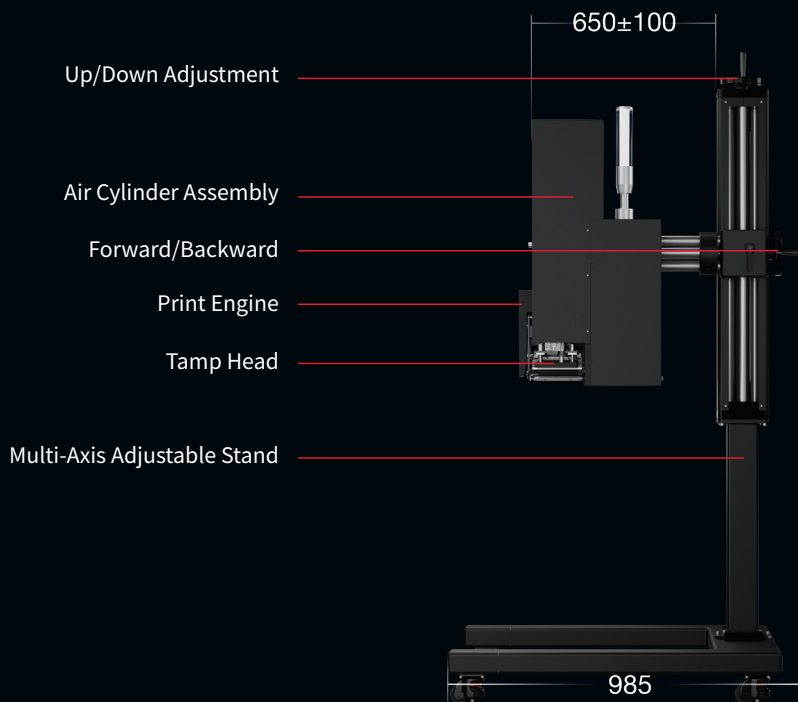
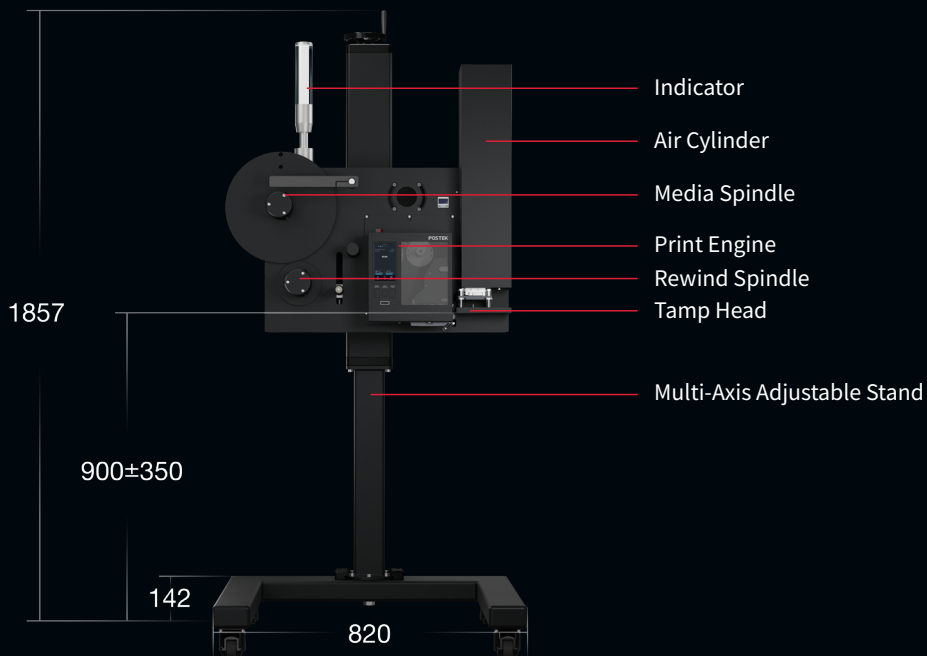
Optional Pneumatic Slide Table

The MX series can come with an optional pneumatic applicator head that would slide toward the printhead after the label is printed to ensure the best possible surface contact with the label. Significantly improving the consistency and reliability of labeling.

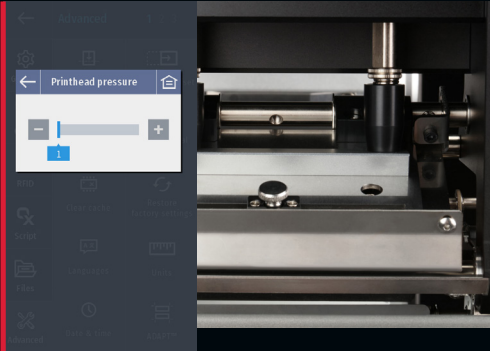


DIMENSIONS

Unit: mm



FEATURES



Automatic Precision Printhead Pressure Adjustment

When equipped with the optional electronically controlled printhead pressure adjustment scheme, MX Pro-Touch can turn the labor-intensive task of printhead pressure adjustment to just a few taps on the printer's LCD screen.



HEAT™ Technology

Powered by one of the most advanced quad-core applications processors, the POSTEK MX series printer takes full advantage of the cutting-edge HEAT™ printing technology, providing the best in class printout qualities.



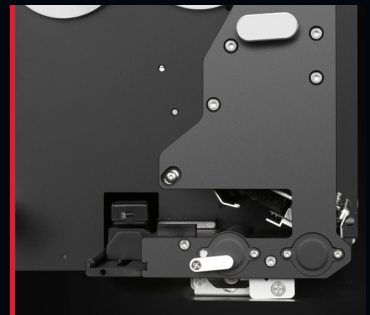
Advanced Dynamic Adaptive Precision Tuning (ADAPT™)

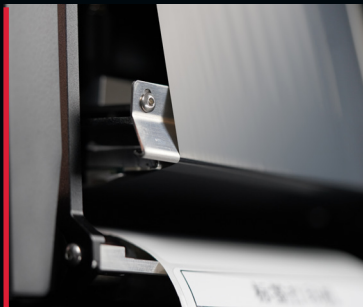
Say goodbye to poor printout quality due to wear and tear on the platen roller, changing of media thickness, or different friction coefficient of media. With the innovative precise calibration algorithm, the best printout quality in the industry can be achieved with a simple automatic calibration process.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



Fixed Print Engine Frame

A unique, patented aluminum print engine frame underpins the MX series printer, along with a new all-metal structure to deliver unparalleled stability and durability with uncompromised convenience of consumables loading.





Smart Printer That Saves Ribbon

When equipped with the Ribbon Saving Kit, the MX series printer automatically lifts the printhead during the empty portions of the media under predefined conditions and locks down to print again when needed. Eliminating the consumption of ribbon without printing and extends printhead life span by putting an end to unnecessary wear and tear.



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, users can easily finetune the ribbon tension with minimal training or prior experiences.



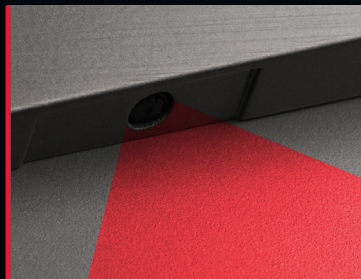
RFID Ready

The MX series equipped with RFID could provide one of the best user experiences in the RFID realm. With a simple push of a button, the MX series will automatically calibrate both the media and the RFID inlays within. Offering high fidelity media positioning and support for small RFID labels with a minimal distance of 12mm between RFID inlays.



Real-time Visual Verification

Thanks to robust deep-learning-based algorithms, the fully integrated visual verification system on the OX series printers can read and grade 1D&2D barcodes to ANSI/ISO standards, and check the integrity of labels. If for any reason the printout doesn't meet the set standard, the printer will immediately notify relevant personals through the LCD screen and the accompanying light system.



SPECIFICATIONS

Model	MX2 Pro-Touch	MX3 Pro-Touch	MX6 Pro-Touch
Model with RFID	MX2r Pro-Touch	MX3r Pro-Touch	MX6r Pro-Touch
Print Mode	Direct Thermal/ Thermal Transfer	Direct Thermal/ Thermal Transfer	Direct Thermal/ Thermal Transfer
Print Resolution	203 dpi	300 dpi	600 dpi
Max Print Speed	18ips (457.2 mm/s)	14ips (355.6 mm/s)	6ips (152.4 mm/s)
Max Print Width	4.09" (104 mm)	4.16" (105.7mm)	4.16" (105.6 mm)
Max Media Width	4.72" (120 mm)		
Application Mode	Touch-on		
Label Size for Application ^④	Width: 10 ~ 120 mm Height: 10 ~ 200 mm		
Labeling Speed ^②	35 labels/min		
Labeling Cylinder Stroke	300 mm		
Applying Directions	On the top, on the below, or on the side		
Size of the Product to Be Labeled	Variable		
Operating Air Pressure	0.5~0.8 MPa		
GPU	GC NanoUltra 3D (1 shader) & GC320 2D OpenGL ES 2.0		
MPU	64-bit, quad Arm [®] Cortex [®] -A53 core, maximum operating frequency 1.8 GHz		
Memory	2GB DDR4 RAM, 8GB Managed NAND Flash		
HEAT [™] Level ^③	I		
RFID Encoder	Supports UHF EPC Gen 2, ISO 18000-6C protocols (Only available for RFID models)		
Media Roll	Outer Diameter: 12" (304.8 mm) max. Inner Diameter: 3" (76.2 mm)		
Liner Rewind	Outer Diameter: 7.87" (200 mm) max.		
Media Thickness	0.0024" ~ 0.012" (0.06 ~ 0.305 mm), including liner		
Ribbon (both In and Out)	Width: 0.79" ~ 4.33" (20 ~ 110 mm) Length: 1968' (600 m) max. Outer Diameter: 3.38" (86 mm) max. Inner Diameter: 1" (25.4 mm)		
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 Ethernet, USB DEVICE 2.0, USB HOST, General I/O Signal Interface, Logic Control I/O Signal Wiring Terminal Block
LCD Display	4.5" LCD Capacitive Touchscreen
Power Source	100 ~ 240 VAC, 50/60 Hz
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 The tamp needs to be customized according to the actual size of the label to be applied.
- ② The labeling speed varies depending on the height of the label and the selected print speed, the Labeling Speed here is base on a label height of 100 mm and a printing speed of 8ips.
- ③ 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™ level represents the fineness of the heating uniformity with level I being the finest.

Optional Features

RFID Verifier*	External-mount module
Visual Verifier*	There are three software packages listed below for the visual verifier, and users can choose one from them based on needs and budget: 1. Verifies 1D & 2D barcode data. 2. Verifies 1D & 2D barcode data and evaluates printed barcode symbologies. 3. Verifies 1D & 2D barcode data, evaluates printed barcode symbologies, and inspects print defects. (An internal or external rewinder is required to keep the media flat without bending or buckling when passing through the visual scanning area.)
Ribbon Saving Kit*	Including the following items: 1. A set of printhead motorized lifting assembly. 2. Automatic Brake on the ribbon take-up spindle.
Y-axis Pneumatic Slide*	Maximum stroke length: 10mm
Wireless Module*	WIFI IEEE 802.11a/b/g/n/ac/ax, 2.4/5GHz, Bluetooth 5.0
Cylinder Stroke Range*	200mm, 400mm, 500mm

* Factory dependent



POSTEK

RUGGED PARTS, DURABLE MACHINES

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