



AUTOMATIC XY TRIMMER

TM160

PRODUCT PROFILE

TM160 is an automatic XY cutting machine, which is used to cut the flexible media rolls into sheets with a maximum thickness of 0.6mm. Using a CCD camera, TM160 can read the cutting marks on the printed media, and immediately cut both vertically and horizontally. With the automatic cutting correction system, fully automatic cutting is realized.

APPLICATION

Material

Most flexible media up to a maximum thickness of 0.6mm including polycarbonate, photo paper, wall paper, vinyl, PVC, film, canvas, laminated or encapsulated prints and much more.

Field

Widely used in advertising signs, posters, public decoration, wallpaper, packaging and printing etc.



Automatic correction on longitudinal direction

If the printer cannot print parallel to the edge of the media, or if the printer cannot roll up vertically, the TM160 automatically realigns the edges of the printed image.



Vertically and horizontally synchronous cutting

The XY direction works at the same time, and truly realizes automatic cutting.



CCD camera scan cut marks

The high resolution CCD camera is used to scan the marking points and locate the cutting path so as to achieve precise cutting. Camera scanning can also make the range of cutting materials wider.



No consumable parts

The cutting blades can be used to cut more than 100 thousand times. No consumable parts during regular usage.



Complete firmware control

The camera reads the printed marks then feedback to machine, the machine will cut posters automatically, no need to do any data transfer, very convenient to use.

TECHNICAL PARAMETERS

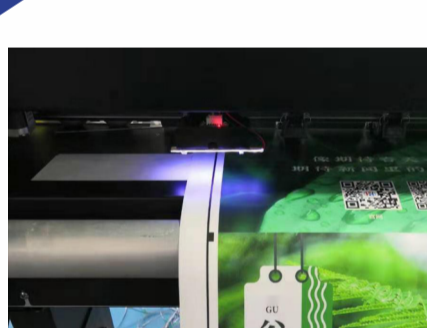
MODEL	Automatic XY Trimmer TM160
Max. Cutting size	160cm
Cutting speed	1.5m/s
Max. cutting thickness	0.6mm
Max.roll diameter	300mm
Max. roll weight	30kg
Positioning method	High resolution CCD camera
Cutting method	vertically and horizontally synchronous cutting
Tool type	Horizontally cutting: double round knife Vertically cutting: high speed steel blade
Tool life	able to finish at least 100,000 times cutting
Correction deviation	Camera scan marks and align itself automatically
Cut marks type	black square marks created by Maintop software
Mark distance to image	2mm
Mechanical resolution	0.2mm
Cutting precision	0.1mm(duplicate)
Control panel	Touch screen
Motor type	Servo motor
Data transfer method	USB cable
OS Compatible	Windows7,8,10
Compatible Software	Maintop software
Power	600W
Working voltage	100VAC-120VAC, 50/60Hz, Maximum current 6.8A 200VAC-240VAC, 50/60Hz, Maximum current 3.4A
Operation environment	Temperature +5°C to +35 °C (Fahrenheit 41-95), Humidity 30% -75% (Non-condensing)
Machine dimension	L2540mm*W820mm*H1230mm(without the bracket)
Package dimension	2650mmx770mmx 670mm
Machine weight(N.W/G.W)	177kg/258kg+-5kg

DETAILS DESCRIPTION



Longitudinal and vertical blades combined cutting mode

The TM160 is equipped with 4 sets of slitting knives and a set of horizontal cutting knives. The distance between the slitting knives can be adjusted according to the actual cutting needs. Cutting vertically and horizontally, truly realize the fully automation.



CCD Camera registration cut marks

The high resolution CCD camera is used to scan the marking points and locate the cutting path so as to achieve precise cutting. The camera also collect the data of paper feeding alignment and feedback to controller, to realize the correction deviation automatically.



Adjustable unwinding reel

The size of unwinding reel is adjustable for real cutting needs. It can bear a weight of 30kg, supports maxi roll diameter 300mm.



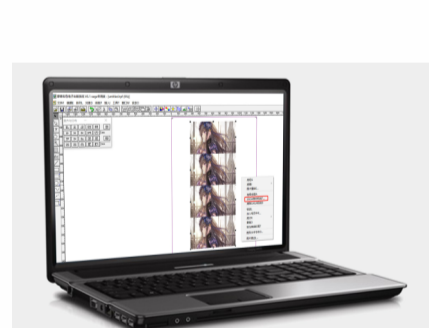
Large capacity sheets collection tray

The TM160 equipped with a separate large capacity paper tray for collecting the cutting sheets. This large paper tray is movable, it can be moved to any required unloading place.



User friendly touch screen panel

Easy-to-use touch screen makes the operation more convenient.



Easy to use dedicated software

Input images to Maintop design software, create cut marks, set up parameters, save the file, ready for printing and cutting. Very easy to operate.



Emergency stop

If any accident occurs during the operation of the machine, press the emergency stop button to stop the machine.



Feet with moving wheels

The machine is equipped with adjustable fixed feet and moving wheels. Use the moving wheel to move the machine to a suitable working position, adjust the height of the machine feet, and ensure that the machine is fixed horizontally.

SAMPLE DISPLAY



PACKING PHOTO



WORKSHOP

