

VICUT



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 deviation 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, wall paper, packaging and printing etc.

MAIN FEATURES



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.



CCD camera

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.



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.



Vertically and horizontally synchronous cutting

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



No consumable parts

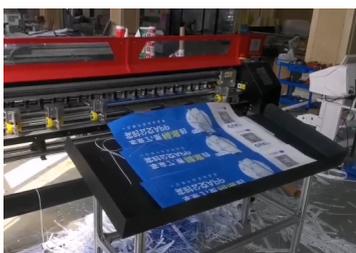
The cutting blades can be used to cut more than 100 thousand times. No consumable parts during regular usage.



Independent operation, no special software

The required marks can be created by any design software, no limitation at all.

SAMPLE DISPLAY



TECHNICAL PARAMETERS

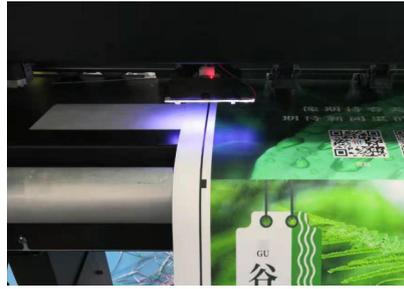
| MODEL | Automatic XY Trimmer TM160 |
|-------------------------|--|
| Max. Cutting size | 160cm |
| Cutting speed | 1.5m/s |
| Max. cutting thickness | 0.6mm |
| Max.roll diameter | 300mm |
| Max. roll weight | 30kg |
| Positioning method | High resolution CCD camera |
| Cutting method | vertically 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 any design software |
| Mark distance to image | 2mm |
| Mechanical resolution | 0.2mm |
| Cutting precision | 0.1mm(duplicate) |
| Control panel | Touch screen |
| Motor type | Servo motor |
| 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.



The mark tracking sensor

The tracking sensor reads the marking line and feeds it back to the control motherboard of the machine, achieving automatic correction and ensuring that the material does not deviate from the paper.



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.

PACKING PHOTOS



SERVICE

01

Adhering to the "integrity, sharing, win-win" cooperation concept.

02

Grow together with agents, implement the unified price rules, strictly regulate the sales channels, and provide necessary resource support and regional protection.

03

Focus on user needs, explore product applications, optimize product functions, and truly help users improve efficiency and create revenue.

WHY CHOOSE US



All-round technical support & solutions offered within 8 hours & remote and on-site training & available user manual and operation video.



One year warranty & lifetime maintenance (replace parts for free except regular consumables and the damage by man-made irregular operating).



Type of payment: TT & Paypal & Western Union & L/C



Strict QC system during production process.

OUR CERTIFICATE



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