

RK DIGITAL LABEL CUTTER

Precise / Efficient / Stable / Intelligent

RK is a digital cutting machine for the processing of self-adhesive materials, which is used in the field of post-printing of advertising labels. This equipment integrates the functions of laminating, cutting, slitting, winding, and waste discharge. Combined with web guiding system, CCD positioning, and intelligent multi-cutting head control technology, it can realize efficient roll-to-roll cutting and automatic continuous processing.



Features

No need for dies

There is no need to make a die, and the cutting graphics are directly output by the computer, which not only increases flexibility but also saves costs.

Multiple cutting heads are intelligently controlled.

According to the number of labels, the system automatically assigns multiple machine heads to work at the same time, and can also work with a single machine head.

Efficient cutting

The cutting system adopts full servo drive control, the maximum cutting speed of single head is 1.2m/s, and the cutting efficiency of four heads can reach 4 times.

Slitting

With the addition of a slitting knife, the slitting can be realized, and the minimum slitting width is 12mm.

Lamination

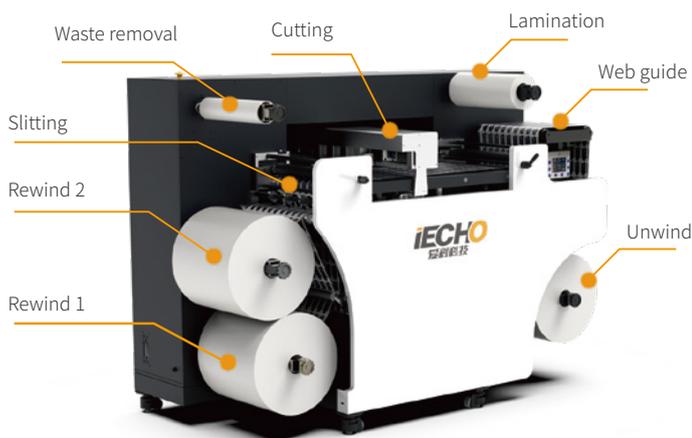
Supports cold lamination, which is performed at the same time as cutting.

Automatic waste collection

Servo motor torque control, precise tension adjustment, anti-pull and break.

CCD contour cutting

QR scan code to automatically switch work tasks



System

Cutting System

1 Four cutter heads work at the same time, automatically adjust the distance and assign the working area. Combined cutter head working mode, flexible to deal with cutting efficiency problems of different sizes. CCD contour cutting system for efficient and precise processing.

Servo driven web guide system

2 Servo motor drive, quick response, support direct torque control. The motor adopts ball screw, high precision, low noise, maintenance-free. Integrated control panel for easy control.

Feeding and unwinding control system

3 The unwinding roller is equipped with a magnetic powder brake, which cooperates with the unwinding buffer device to deal with the material looseness problem caused by the unwinding inertia. The magnetic powder clutch is adjustable so that the unwinding material maintains the proper tension.

Rewind control system

4 Including 2 winding roller control units and 1 waste removal roller control unit. The winding motor works under the set torque and maintains a constant tension during the winding process.

Parameters

Machine type	RK
Cutting material	Self-adhesive roll material (coated paper, PVC, PP, etc.)
Max roll diameter	350mm
Max roll length	355mm
Roll core diameter	76mm/3inc
Max label length	420mm
Max label width	380mm
Slitting quantity	4 standard (optional more)
Rewind quantity	3 rolls (2 rewinding 1 waste removal)
Web guiding	Servo driven web guide system
Positioning	CCD
Cutter head	4
Cutting accuracy	±0.1 mm
Max cutting speed	1.2m/s
Max feeding speed	0.6m/s
Power supply	220V
Power	2KW
Air source	Air compressor external 0.6MPa
Work noise	70DB
File format	BRG, DXF
Control mode	PC
Weight	580/650KG
Size (L×W×H)	1935mm×980mm×1420mm
Rated voltage	Single Phase AC 220V/50Hz
Use environment	Temperature 0°C-40°C, humidity 20%-80%RH
Optional	Touch screen computer, lamination

* The product parameters and features mentioned on this page are subject to change without notice.

Applicable Material



Kraft paper stickers



Coated paper sticker



Matt gold sticker



Transparent sticker



PVC sticker



PET sticker

