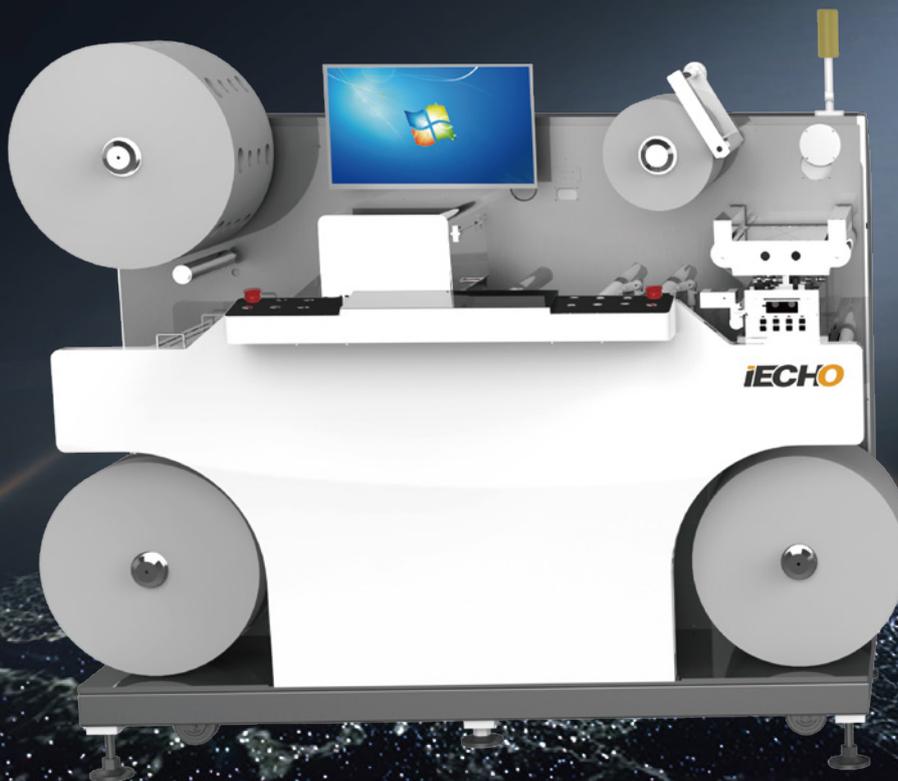![IECHO — INTELLIGENT CUTTING CREATES FUTURE]

RK2-380 DIGITAL LABEL CUTTER

Precise / Efficient / Stable / Intelligent

RK2-380 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, high-precision contour cutting, 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 15m/min, 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 20mm.
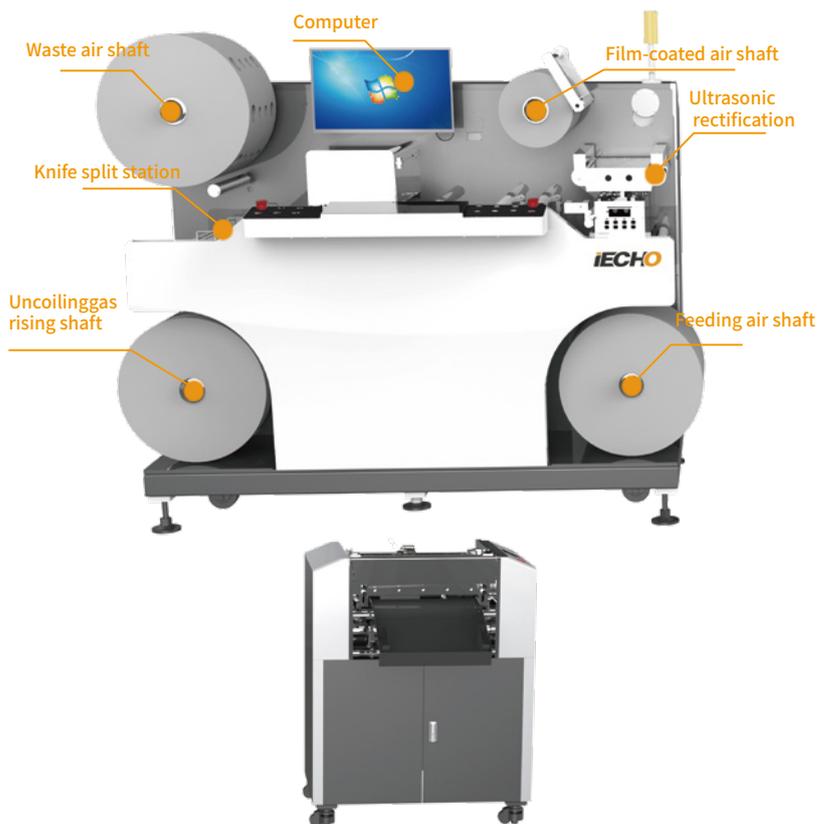
Lamination
Supports cold lamination, which is performed at the same time as cutting.

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

High precision contour cutting

Waste air shaft
Computer
Film-coated air shaft
Ultrasonic rectification
Knife split station
Uncoilinggas rising shaft
Feeding air shaft

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Parameters

Machine type	RK2-380
Max roll diameter	500mm
Max coiled material width	380mm
Roll core diameter	76mm/3inc
Label length	20mm-900mm
Max label width	350mm
Split dimensions	20mm-320mm
Slitting quantity	5standard (optional more)
Rewind quantity	1 rewinding 1 waste removal
Positioning	Color code
Cutter head	4 (optional more)
Cutting accuracy	±0.1 mm
Max cutting speed	15m/min
Max lamination width	380mm
Film roll diameter	250mm
Rated power	2000W
Air source	Air compressor external 0.6MPa
Work noise	70DB
File format	DXF、PLT、PDF、HPG、HPGL、TSK、BRG、XML、CUT、OXF、ISO、AI、PS、EPS
Control mode	PC
Weight	1500KG
Size（L×W×H）	1840mm×1130mm×1770mm
Rated voltage	Single Phase AC 220V/50Hz
Use environment	Temperature 0℃-40℃, humidity 20%-80%RH
Optional	Waste removal system、Sheeter

* 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

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.

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