

RK3

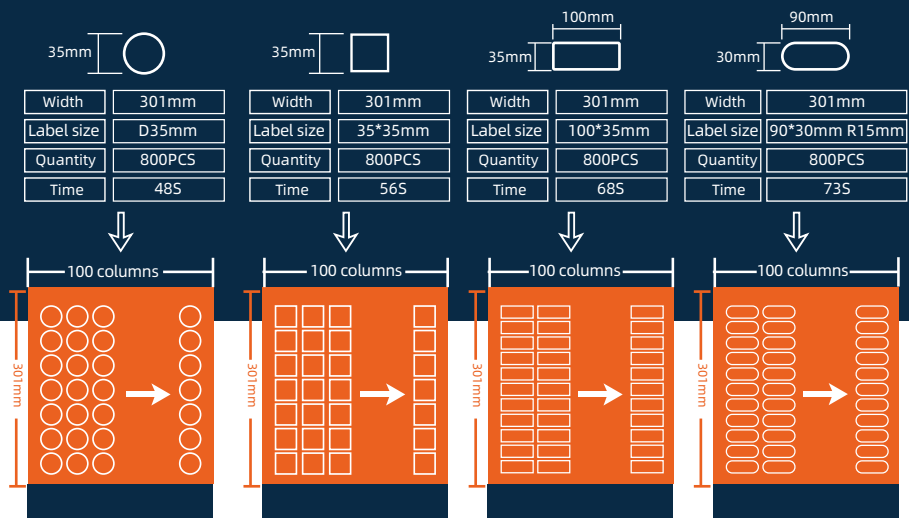
DIGITAL DIE-CUTTING MACHINE

PRECISION / EFFICIENCY / STABILITY / INTELLIGENCE



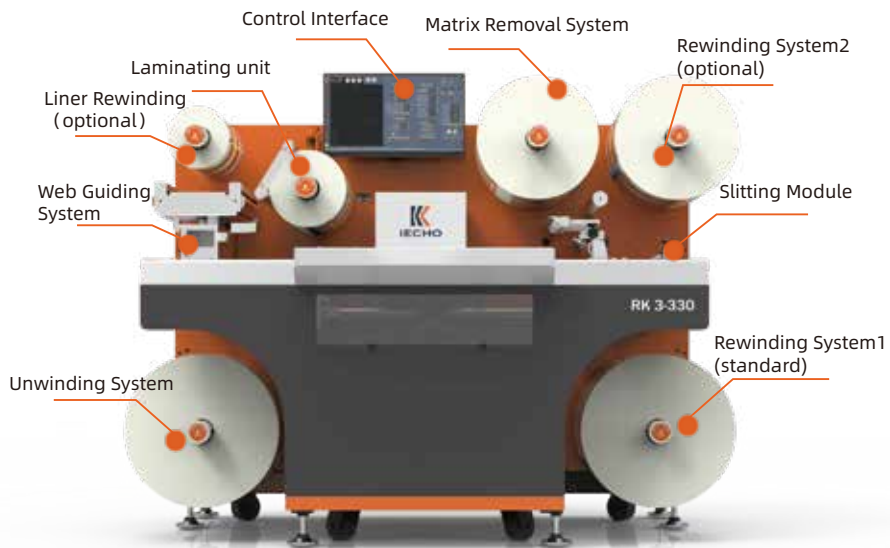
The RK3 is a roll-to-roll digital die-cutting system engineered for the label industry, ideal for short runs, multiple SKUs, and continuous production. Designed with a non-stop web-fed architecture, the system integrates lamination, digital die-cutting, slitting, rewinding, and matrix removal into one streamlined workflow. With advanced web guiding, registration mark positioning, and intelligent multi-tool head control, the RK3 ensures high precision and stable performance while delivering continuous, high-efficiency label production. An optional sheeting module enables flexible switching between roll-to-roll and roll-to-sheet production, supporting applications from continuous runs to individual sheet delivery, helping label converters build a modern workflow that balances productivity and flexibility.

RK3 Die-Cutting Efficiency Test



Features

- Intelligent multi-tool digital die-cutting, adaptable to various label layouts
- Defective label detection and remote monitoring for lights-out production
- Supports lamination, slitting, and sheeting in one integrated process
- CCD QR code scanning for automatic job changeover, ideal for short-run automation
- Automatic tool calibration and tension control for stable, user-friendly
- High-rigidity integrated frame ensures performance at high speed and high accuracy



RK3 Applications



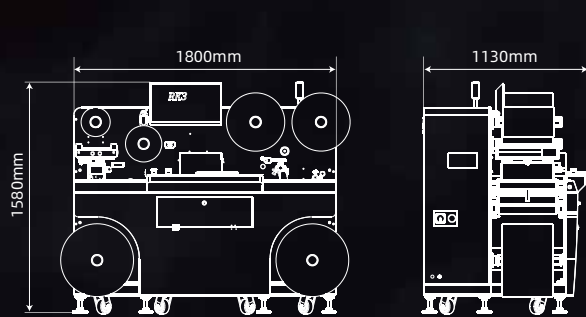
Home appliance

Personal & home care

Wine & beverage

Food packaging

RK3 Specifications



front view

side view

Product Model	RK3-330
Footprint dimensions	1800mm*1130mm*1580mm
Max roll diameter	500mm
Max material width	350mm
Max label width	330mm
Max label length	1000mm
Min label length	10mm
Max cutting speed	15m/min
Cutting accuracy	0.1mm
Min tool head spacing	25mm
Registration method	CCD code reading
Supported file formats	PDF DXF PLT
Slitting knives	5-15
Slitting width	10-330mm
Max slitting speed	60m/min
Machine weight	1300Kg
Power Supply	Single-phase AC 220V
Rated power	2.2KW

● Standard ○ Optional

- Automatic tool setting device x1
- Industrial control PC x1
- Automatic rewinding device x1
- Automatic matrix removal unit x1
- Lamination device x1 (Linerless Cold Lamination)
- Slitting module x5
- Half-cut slitting device x1
- Edge waste collection device x1
- Supports up to 10 tool bits
- Matrix removal inspection
- Heated matrix removal system
- Lamination and matrix removal device (Liner Rewind)
- Sheeting module
- Dual rewinding unit
- Auxiliary material loading trolley

*The product specifications mentioned in this brochure are based on actual materials.
*The product specifications and features listed on this page are subject to change without prior notice.