VICUT

MULTIPLE BLADES DIGITAL LABEL CUTTER

VR350

Industrial Digital Label Production & In-House Labels

APPLICATION

Applicable Industry

VR350 roll to roll label finisher is mainly used for medium volume on-demand label production including blank labels, ink labels, chemical labels, beverage labels, bottled water labels, chili source labels,coffee labels, cosmetic labels, home appliance label,toiletries label, gum label,wine labels and more.

Applicable Materials

Stickers, Paper, PP, BOPP, PET, PVC & More!

PRODUCT PROFILE

The VICUT multiple blades digital die cutter VR350, equipped with maximum six blades, heads distance is fully automatic adjustable with AI software control, which is perfect for short to medium length print finishing.With linear system, users are able to work with high end laminating films, two re-winders at final step can make it more convenient to rewind the small rolls after slitting. Optional inline sheeting system is able to cut roll into sheets easily, or it can be used as an offline solution to cut roll products to any length needed!

The VICUT VR350 is also designed with the end user in mind. It features an intuitive software which is easy to learn, as well as an inline codes reader for automatic job changes.

In addition to lamination, slitting, and waste removal, the VICUT VR350 also features an automated web guide to ensure your product is running smooth through the machine at all times.

MAIN FEATURES

All-In-One solution
Lamination, matrix removal, slitting,rewinding.etc.

Automatic job exchange
CCD camera scan the codes marks to read the job data, to realized the cutting job changes.

Automatic intelligence technology applied
The cutting heads distance is fully automatic adjustable.

Trajectory Optimization
Automatically calculates optimal usage of heads in each step of cutting for a specific job.

Long label cutting ability
Max. 340mm x 1250mm size label cutting.

Fast cutting speed
Max. die cutting speed 9m/min easily cutting 7x15cm square.

Automatic web guide
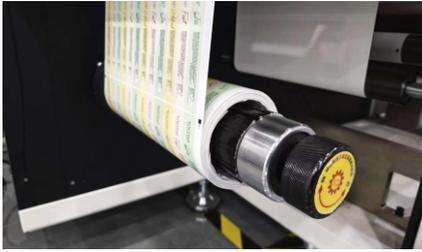Ensure smooth paper feeding with no offset for next step working process.

Optional Accessories
Separate inline roll to sheet cutter.

TECHNICAL PARAMETERS

Model	Multiblades Digital R2R Die Cutter VR350
No. of cutting heads	standard 4 heads, up to 6 heads
Working speed	9m/minute(cut 7cmx15cm square)
Max. label length	750mm
Max. label width	330mm
Cutting media width	150-350mm
Maxi. roll diameter	450mm
Maxi. laminating roll diam.	300mm
Max. matrix roll diam.	350mm
Max. rewinder roll diam.	upper rewinder roller 350mm; down rewinder roller 450mm
Operation system	Embedded computer with Ai operation software and Large screen LCD monitor
Heads distance adjument	Automatic distance adjustment between all cutting heads
Unwinder & Rewinder	1 unwinder and 2 rewinder with mechanic expansion
Reg marks type	dot marks+ number codes/QR Code
Positioning device	Electric eye+CCD camera
Job exchange function	YES
Data transfer method	PC direct
Die cutting precision	0.1mm(repeat)
Slitting width	10-310mm
Slitting system	Round knife slitting System with position adjustment (4 slitters, max. 15)
Slitting speed	max.100m per minute
Slitting precision	0.1mm
File format	PLT, DXF
Working voltage	AC100-240V, 50-60HZ, 1000WATTS
Machine dimension	1800*1080*1460mm
Packing Size	216*130*197CM
G.W. / N.W.	960kg/1140kg
Optional	Multiple slitting units & Separate inline sheet cutting system

DETAILS DESCRIPTION

Unwinding System

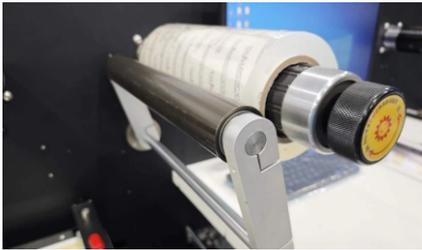The unwinding roller of the VR350 machine can accommodate rolls with a maximum diameter of 450mm.

High Precision Web Guide Feeding System

Utilizing the ultrasonic web-guide system,it makes the feeding perfectly.

Waste Removing System

The precision machinery design can control the roller rotating uniform, avoid removing waste discontinuously due to unstable pressure and keep finished labels clean.

Cold Laminating

The VR350 machine comes standard with a cold laminating function, making the labels more durable. The maximum diameter of the laminated shaft is 350MM.

Laminating Film Liner Removal System

Additional rewinding roller for remove the back paper of laminating film, users are able to use high-end laminating film, makes final labels durable and up-market.

Precision Slitting System

Up to15pcs slitting blades, easily slitting big roll into small rolls for final labeling process. High speed with 100m per minute, it also can be used as independent slitting system.

Digital Die-cutting System

VR350 digital label cutter utilizes high precision screw transmission system. Equipped with up to 6pcs cutting heads, the heads distance is fully automatic adjustable according to the labels quantity and shapes. It is easy to install blades and fix it tightly for continually high speed cutting.
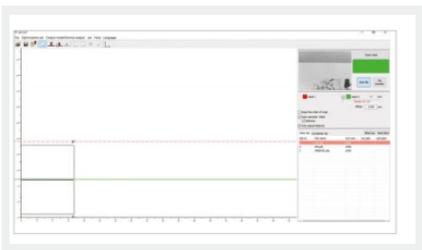
CCD Identify System

The CCD camera position and identify system can recognize the sequence,reach the function of changing file and cut next graphics automatically.

Rewinding System

VR350 featured with two re-winders at final step of roll label finishing, easier to rewind small rolls after slitting. The appropriate tension makes the material collection more precise and the coil material neat, providing great convenience for the next labeling process.

Easy-to-use Cutting Software

•Running status can be seen in a real-time.
•Support file database.
•Choose the quantity of the heads based on graphics.
•Intelligent cutting with trajectory optimization.
•Choose the heads distance automatically.
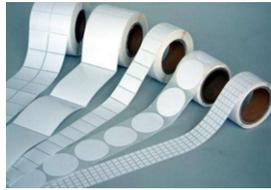Auto-generate the working records.

Standard Industrial Computer

VR350 label die cutter worked with high-end industrial computer, with software installation and parameters setting ready for users, providing extremely convenience for operators. Cutting files will be sent directly from PC to machine, no need additional U-disk or cables.

SAMPLE DISPLAY

Beverage Labels

Blank Labels

Cosmetic Labels

Bottled Water Labels

Chilli Sauce Labels

Ink Labels

ACCESSORIES AND TOOLS

Blade holder

Precision blade holder, built-in bearing design, cooperate with machine blade compensation function, make cutting more smooth. Easy to install the blade and adjust the distance between the blade tips.

Die Cutting Blades

Special 45 degree die cutting blade, suitable for cutting 0.25 mm thick adhesive label materials such as sticker, coated paper, synthetic paper, PP, PET, etc.

OPTIONAL FUNCTION

Roll to Sheet Cutter RS350

It is suitable for transverse cutting of various roll materials.

Suitable materials:

Self-adhesive, PP synthetic, aluminum plastic film, PET, PVC, white card, copper plate and other paper and flexible materials.

Technical Parameters:

Cutting media width:100-350mm
Maxi label width:350mm
Mini label length:10mm
Maxi label length: 500mm
Highest paper cutting speed:150/Minute
Cutting tracking: single mark or double mark
Cutting accuracy: 0.1mm
Size（W*D*H):670*460*915mm
Weight: 180kg
Power supply: 220-240VAC 50-60HZ, 500W

PACKING PHOTOS

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