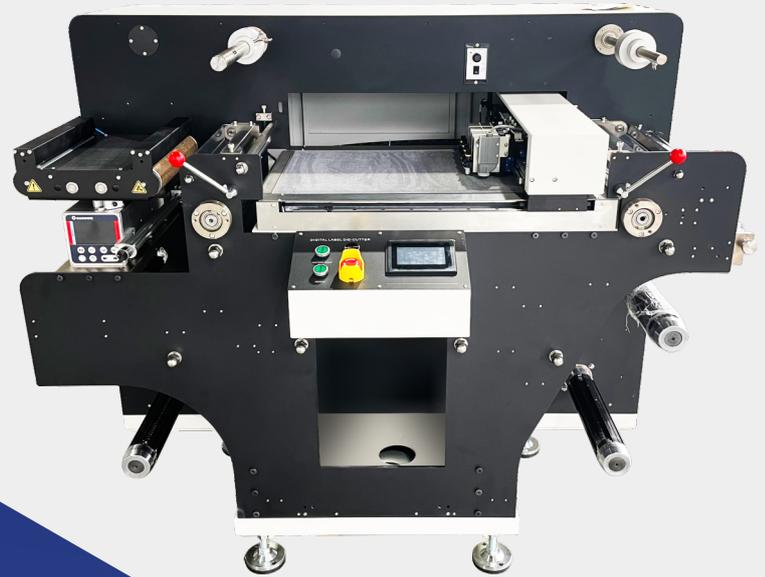


VICUT



DIGITAL LABEL DIE CUTTER

VR320X

PRODUCT PROFILE

The VICUT VR320X roll to roll die cutter is the most affordable digital label finishing system for small and medium production. It is a combination of flatbed and roll to roll mode system, which offers wider applications in practical use. It is a collection of laminating, die-cutting, slitting and rewinding, best solution for all-in-one label finishing. No cutting dies required, fast and precise digital cutting, fully satisfy on-demand label finishing.

APPLICATION

| Applicable Industry

VR320X roll to roll label finisher is mainly used in producing wide range of labels 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!

APPLICATION & SAMPLES



Web guide control system.



Segmental cutting for long labels.



Real time independent cutting pressure control.



One-click repeat cutting function.



Automatic correction system to ensure accurate paper feeding.



Cold lamination for extended label durability.



Automatic matrix removal, slitting and separate rewinding.



Quality components ensure machine stability.



Unique trajectory optimization function ensures high precision cutting.



Automatic heads distance adjustment.

TECHNICAL PARAMETERS

MODEL	Digital Label Die Cutter VR320X
Maxi. roll diameter	450mm
Cutting media width	150-340mm
Max. label width	330mm
Max. label length	400mm (segmentation cut reach to 1200mm)
Mini. label length	10mm
Min. distance between labels	2mm
Min. distance from mark to edge	2mm
Min. distance between jobs	2mm
Max. die cutting speed	6m per minute (depends on label shape and size)
No. of die cutting heads	4pcs
Die cutting blades	Tungsten steel blades
Die cutting precision	0.1mm (duplicate)
Die cutting mark track mode	Non-mark, Single mark, double mark
Slitting width	10 ~ 310mm
Slitting blades	4pcs(standard), up to 15pcs
Slitting speed	100m/min
Slitting precision	0.1mm
Data transfer method	USB2.0/Ethernet 10/100Base-T/GPIO
Working voltage	110-240VAC 50/60HZ, 1000WATTS
Machine dimension	160*100*136cm(L*W*H)
Weight(N.W/G.W)	Machine: 580kgs/670kgs Vacuum pump: 14kgs/16kgs
Packing size	Machine: 175*110*155cm Vacuum pump: 450*450*500mm
Optional function	Multiple slitting units Laminating film backing paper disposal function Separate roll to sheet cutter Rs350

DETAILS DESCRIPTION



Multiple die cutting heads, automatic adjustment distance

VR320X works with multiple die cutting heads, up to 4 heads work at the same time, highly increase working efficiency. The heads distance can be adjusted automatically according to cutting file requirement.



User friendly operation panel

The main operation buttons are integrated into the same panel for easy operation. Touch screen interface, sensitive response, easy to set machine parameters.



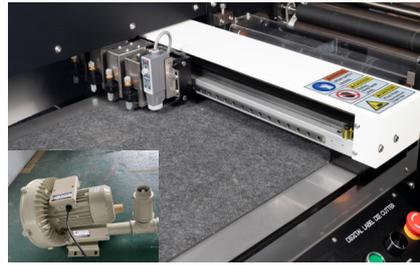
Digital cutting positioning sensor

The positioning sensor scans the marked points printed on the material to obtain the cutting dies information and feed it back to the machine control system, so as to realize the digital cutting.



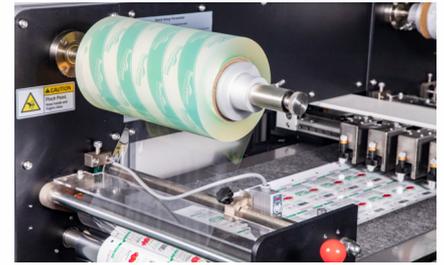
Automatic deviation correction system

Adopting advanced ultrasonic correction system to ensure smooth paper feeding without deviation, laying the foundation for precise cutting in the next step.



Vacuum suction cutting table

Vacuum inhaling cutting platform, the adsorption function starts along with die cutting, and automatically loosening valves after cutting finishes, to ensure cutting accuracy and smooth paper feeding.



Cold lamination

Automatic lamination before die cutting, makes finishing labels more durable and more widely application.



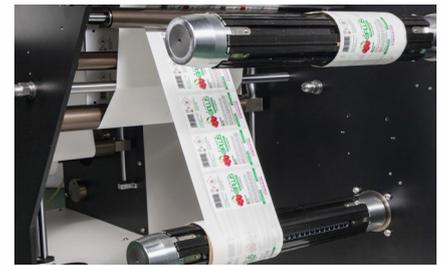
Automatic waste removal and tension system

Under the tension of the waste discharge system, the label cutting waste paper will be automatically removed and separated from the winding, so as to obtain a clean label roll for the next process.



Slitting system

Utilize square blades, automatically cut the label paper into small rolls as needed, up to 15pcs blades can be used. Maximum slitting speed can reach to 100m/min.



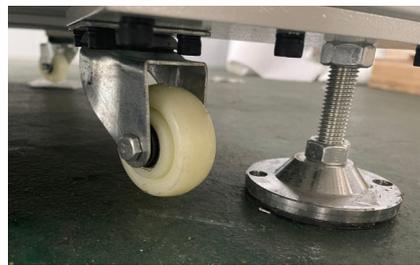
Automatic separate rewinding

Up and down independent winding shafts, automatically rewind the multiple label rolls after slitting.



Quality components

All kinds of components used in VR320X are top quality in the industry, such as THK precision class guide rail, imported synchronous belts, Inovance servo motor, etc. Ensures machine quality and longer service life.



Adjustable machine foot pads

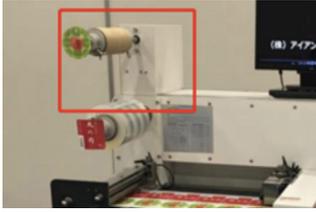
VR320X is equipped with adjustable foot pads and mobile wheels. If the ground is uneven, the horizontal position of the machine can be ensured by adjusting the foot pads. A movable wheel is installed beside each foot pad for more convenient machine movement.



Easy-to-use software

Dedicated software support PLT format file, it can choose the knife down point according to shapes, the unique trajectory optimization is for perfect cutting.

OPTIONAL FUNCTIONS



Film base paper removing device

In some areas, there is backing paper on the cold laminating film, which can be removed before laminating by this device.



Air Compressor

Used for the shaft tension automatically. Connect the 8mm tube of compressor to the machine.

Paper Cutter RS350

It is suitable for transverse cutting of various roll materials. Along with VR320X die cutter to achieve in-line working, with high cutting efficiency and accuracy. It can also be used independently.

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
- Max. 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



SAMPLE DISPLAY



Beverage Labels



Blank Labels



Cosmetic Labels



Bottled Water Labels



Chemical Labels



INK Labels



Gum Labels



Toiletries Labels

PACKING PHOTOS



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