

MATRIX CUT

DIGITAL LABEL DIE CUTTER



MXC-320

LABEL CUTTER

Source of Digital Solutions...

MATRI X CUT

**MXC-320
LABEL DIE CUTTER**



Digital Star Qatar has been leading the digital scene in Doha for over 10 years, as suppliers and distributors of signage, advertising and LED solutions. Our commitment to providing the best quality machinery and top-notch technology from around the world has enabled us to set new and improved standards in sign and digital printing industries. DSQ has developed into a true trendsetter and a reliable destination for customers seeking exhaustive custom and wholesale solutions. From sign makers, digital print houses, POS/POP makers, retail fit-out companies, to exhibition stand builders, construction companies and glass and aluminum fabricators industries, we promise to take your business to unprecedented levels



PRODUCT OVERVIEW

LABEL DIE CUTTER

The Matrix label die cutting machine MXC-320 is the most affordable digital label finishing system for small and medium production. 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. It can cut long label, and the maximum cutting length of label can reach 1.2m.

APPLICABLE FIELD

MXC-320 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!

KEY FEATURES



COMBINATION OF FLATBED
AND ROLL TO ROLL MODE



SEGMENTAL CUTTING FOR
LONG LABELS



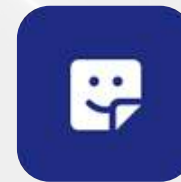
REAL TIME INDEPENDENT
CUTTING PRESSURE CONTROL



ONE-CLICK REPEAT
CUTTING FUNCTION



AUTOMATIC CORRECTION SYSTEM TO
ENSURE ACCURATE PAPER FEEDING



COLD LAMINATION FOR
EXTENDED LABEL DURABILITY



AUTOMATIC MATRIX REMOVAL,
SLITTING & SEPARATE REWINDING



QUALITY COMPONENTS ENSURE
MACHINE STABILITY



UNIQUE TRAJECTORY OPTIMIZATION
FUNCTION ENSURES HIGH
PRECISION CUTTING

DETAILS DESCRIPTION



MULTIPLE DIE CUTTING HEADS

MXC-320 works with multiple die cutting heads, up to 4 heads work at the same time, highly increase working efficiency.



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

There are two optical sensors on both sides of roll holder, automatically adjust the paper offset to ensure the accurate feeding, lay a good foundation for further processing



FEEDING DETECTION SYSTEM

After automatic deviation correction, there is an optical sensor to detect the material before feeding into the working table, make sure the paper feeding in correct way, ready for next die cutting 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



PLATFORM FOR SPLICING MATERIALS

When you finish cutting a roll of label and prepare to cut another roll, you can use this platform to splice a new roll of material onto the one being processed, so as to realize smooth transition, save paper installation time and improve work efficiency.



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.



WELL-ORGANIZED CONTROL CABINET

Professional electrical design, orderly arrangement of components, clear circuit, easy maintenance



BLOWER SWITCH

Control the suction system. Before die cutting, press this button to start the vacuum adsorption function.



NETWORK AND USB PORT

MXC-320 roll label cutter supports network port and Udisk for die cutting files transmission



E-STOP BUTTON

If any emergency happens during machine working, press this button, the machine will stop instantly. You need to turn on the power to restart the machine.



QUALITY COMPONENTS

All kinds of components used in MXC-320 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

MXC-320 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



CUTTING HEADS

The standard cutting heads for MXC-320 is 2pcs, user can choose maximum four die cutting heads as required



SLITTING UNITS

The standard slitting units for MXC-320 is 4pcs, users can choose the quantity of slitting blades as required, up to 15pcs. The slitting functions can be used alone, as slitting-only mode.



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

PRODUCT SAMPLES



BLANK LABELS



INK LABELS



TOILETRIES LABELS



NAME PLATE



IDENTIFICATION LABELS



RED WINE LABELS



DUMB GOLD PAPER

TECHNICAL SPECIFICATION

Model: MXC-320 Label Die Cutter

Maxi. Roll Diameter	450mm
Cutting Media Width	40--340mm
Max. Label width	320mm
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	2pcs(standard), up to 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: 530kgs/640kgs / Vacuum pump: 14kgs/16kgs
Packing size	Machine:1700*1150*1570mm / Vacuum pump:450*450*500mm

*Specifications are subject to change without prior notice, all rights reserved



DIGITAL LABEL DIE CUTTER

TERMS AND CONDITIONS

1. Payment to be made in QR currency.
2. Payment Terms: As mentioned in Quotation.
3. Bank Details:

Bank Name	Branch	Beneficiary Name	Acc #	Swift Code
Qatar Islamic Bank	Al Khour Branch	Digital Star Qatar	0111453200015	QISB - QAQA
IBAN: QA16QISB000000000111453200015				

4. Bank Charges: Any bank charges relevant to the above transactions will be to your account.
5. Any charges, duties, taxes or levies at the ports of entry will be to our account.
6. The charges of loading, boarding and local conveyance of the technician will be to our account.
7. Any required electrical, mechanical & civil site preparation should be done by the customer according to our engineer's requirements.
8. Digital Star Qatar will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents and any related reasons, which is beyond our control.
9. The warranty will be 12 months from the date of installation from Digital Star Qatar. Wear and tear, consumables are exempted & warranty can be claimed only if you use the Services from Digital Star Qatar.



10. Service will be free of cost within 12 months from the date of installation.
11. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.
12. Quotation will be valid for 7 days from here on.
13. Delivery: As mentioned in quotation

DIGITAL STAR QATAR

ديجيتال ستار قطر

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