USER MANUAL

Matrix Remover & Slitter

MCH100MTX25

CE ✔RoHS COMPLIANT 2002/95/EC FC 157848-2.1 UK CA

Note on Media Environment:

50% humidity and 72 degrees Fahrenheit is the optimal conditions for both storage and use of label stock. Store label stock in protective plastic wrappings. Rewrap partially used stock. Do not store stock directly on concrete floors.

Label stock should be conditioned in this environment for 72 hours prior to use. Failure to store media in these conditions may result in media tension problems. Too much humidity will cause labels to curl on the edges.

⚠️ *Warnings*

◘ The main plug of power supply cord set of AC/DC power supply is considered as disconnecting device of equipment.

◘ Do not operate the Matrix Remover while wearing loose fitting clothing or neck ties. Serious injury may result. If clothing or fingers are caught in the rollers, immediately disconnect the D.C. connector.

◘ Keep your hands away from the Matrix Remover at all times while the unit is running.

◘ When replacing Slitter blades work from the back blade housing to the front. This will minimize the chance of injury since you will not be working over already installed blades.

◘ When transporting the unit or any time the unit is not in use always lower the slitter station into the down/cut position. This will prevent accidental contact with the slitter blades. The two rollers below the slitter station act as a guard when the slitter station is in the down position.

◘ To prevent fire or shock hazard, do not expose the unit to rain or moisture. Operate the unit with only proper electrical specifications as labeled on the unit and the AC adapter.

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WARNING
HAZARDOUS MOVING PARTS
KEEP FINGERS AND OTHER BODY PARTS AWAY
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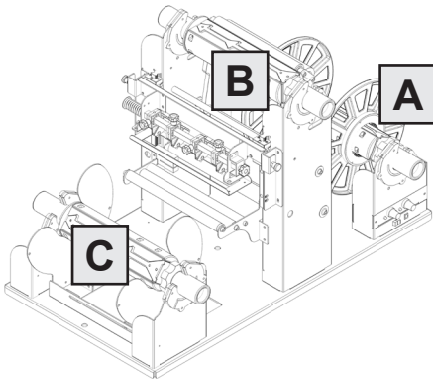
HOW TO INSTALL THE CORE HOLDERS
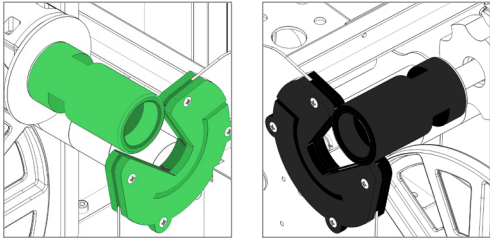
The green handle must match with the green holder and the black handle with the black holder.
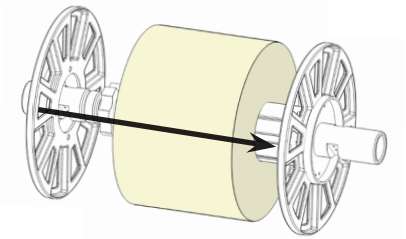
IMPORTANT: screws must be face down.

HOW TO LOAD THE CORE HOLDERS
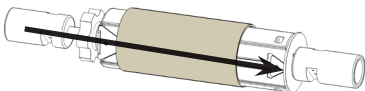
A > Unwinder core holder

B > Waste core holder
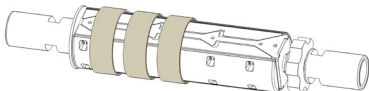
C > Rewinder core holder

A - Unwinder core holder
Load the printed roll and move it against the disk. Insert the outer disk and tighten the core holder.

B - Waste core holder
Load an empty cardboard core onto the shaft intended for laminate liner rewinding.
Tighten the core holder.

C - Rewinder core holder
Load empty cardboard core(s).

RUN A JOB

> ⚠️ **WARNING:** Before starting a new job, always make sure the waste matrix from the previous job has been removed.
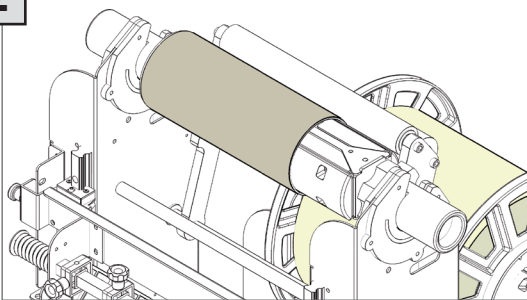>
> Do not attach the matrix from a different size label to an existing roll. This will cause an uneven wrap which will cause the material to walk.

1
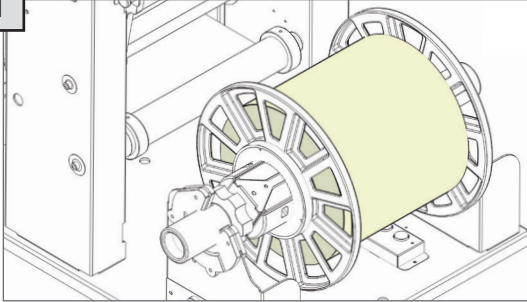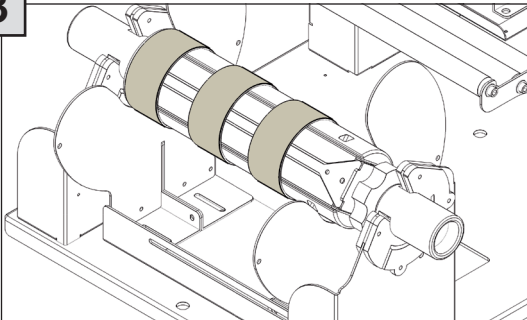
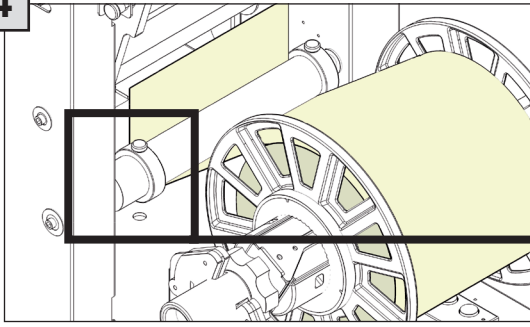Insert the unwinder core holder onto its respective support.

2

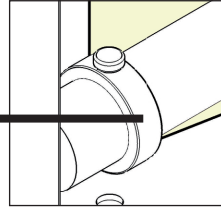Insert the waste core holder onto its respective location.
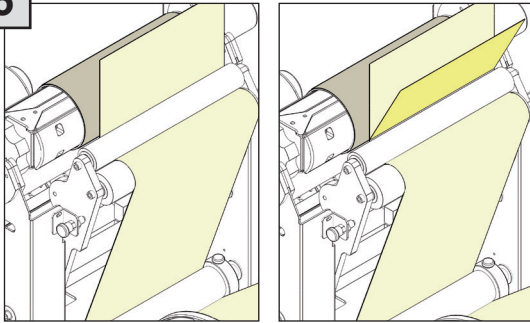
3

Insert the rewinder core holder onto its respective support.

4

Pull the media under the first guide then adjust the roll guide.
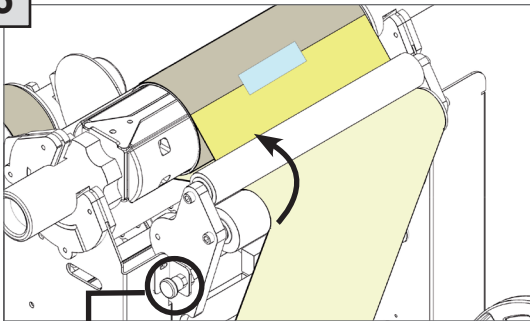
5

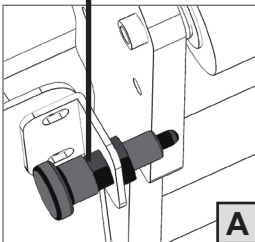Insert the media between the two rollers near the waste core holder.
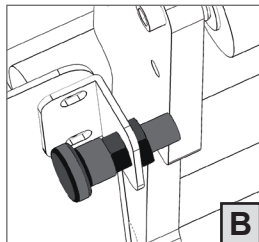
At this point peel back the matrix

6

Pull the matrix and attach it to the matrix remover core holder.

Then use the knob to release the peeling rollers module.
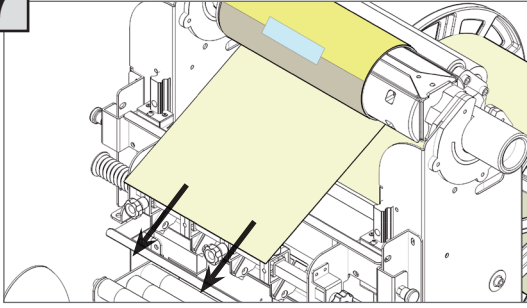

A

WRONG

B

CORRECT

WARNING
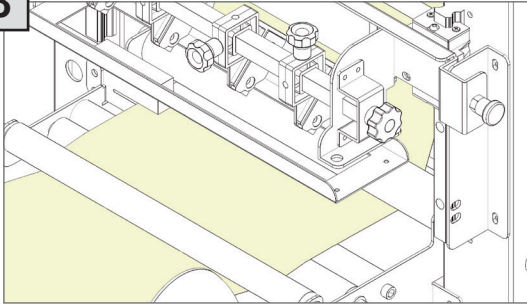**Be careful to close the piston that holds the peeling rollers tightly.**

The correct position is shown in the figure B.

7

Pull the media and manually turning the waste core holder so that the matrix is wrapped around the waste core at least once.
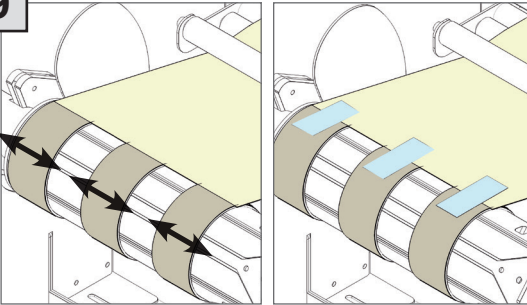
8

Pull the media through the aluminium rollers.

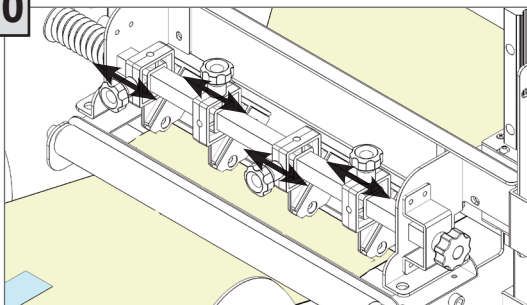### !PLEASE PAY ATTENTION TO THE PAPER PATH!

9

Position each cardboard core directly under the new label.

Tighten the core by turning the knob and the guides in place.

Temporarily attach the label directly to the core holder.
This will provide the necessary tension in order to start the slitting process.
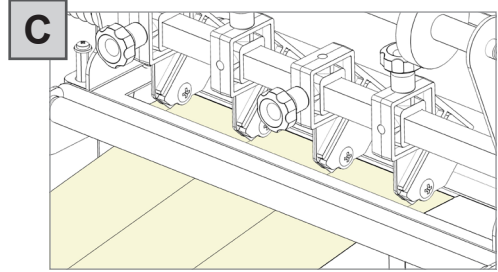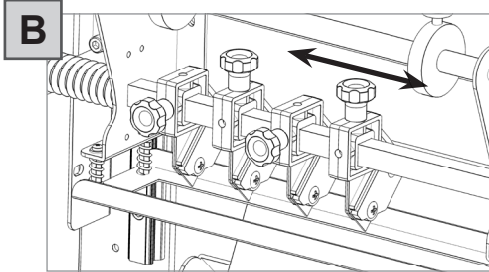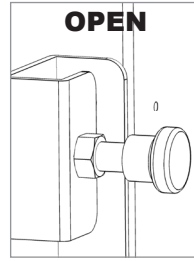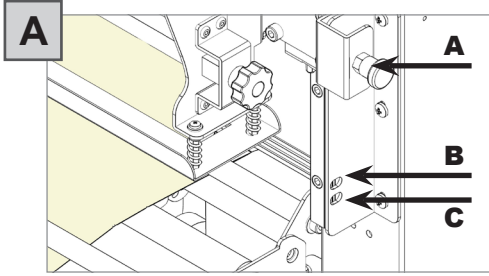
10

Align the blades in the space between each label column. (Label edges can also be slit using the same step).

**WARNING!**
The slitter blades are very sharp when exposed.
Use extreme caution when working in that area.

SLITTER MODULE

A

A
B
C

OPEN

CLOSE

B

C

### *Slitter module has 3 positions:*

- Upper position (A), the blades are lifted to allow the media loading;

- Middle position (B), align the blades with the edges and the center of the labels, tighten the thumb screw once the blade is in position;

- Lower position (C), the blade will penetrate and slit the media.
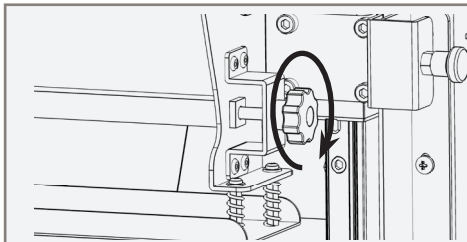
The black knobs lock the slitter module in the requested position.

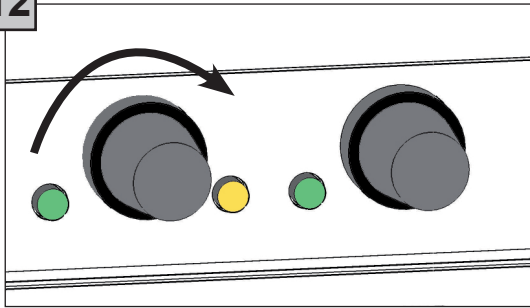Screw the thumb knobs to move the blades to the right or left.
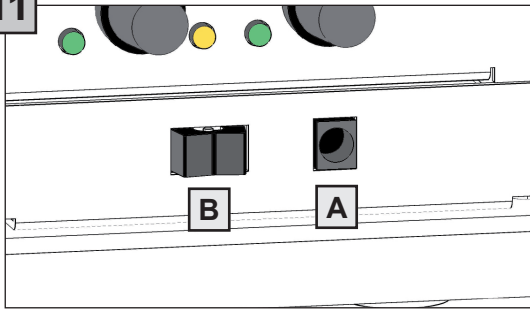
11 Plug the machine (A) and switch it ON using the power switch (B).

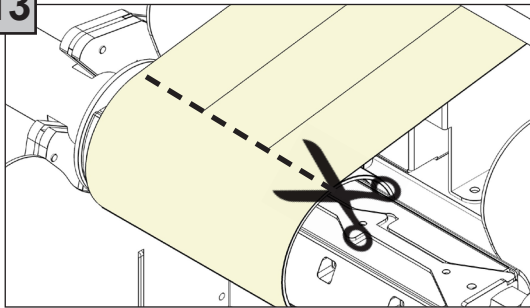Make sure the speed knob is in the slowest position before you switch on the MATRIX REMOVER.
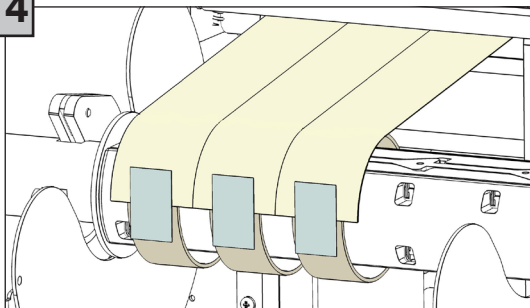

12 Slowly turn the speed knob.

Turn ON the Matrix Remover module to rewind and slit the media, then turn it OFF.

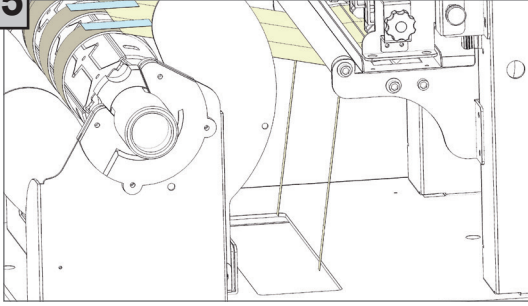**13** Cut the labels when you are satisfied with the results then turn off the unit.

14 Make sure the tension on all rolls is even and attach each label to the core using a waste label.
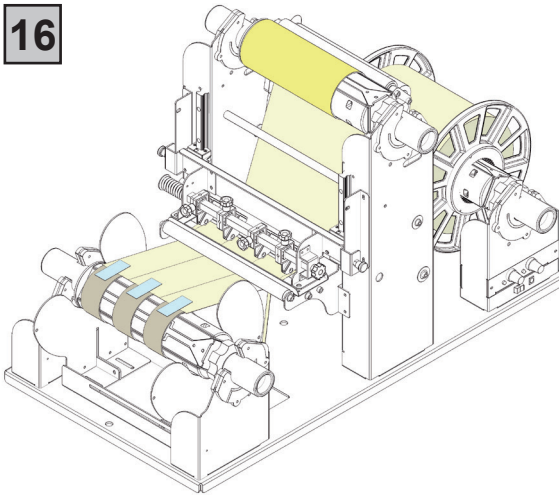
15

Allow the trimmed waste edges to fall into the waste basket under the hole.
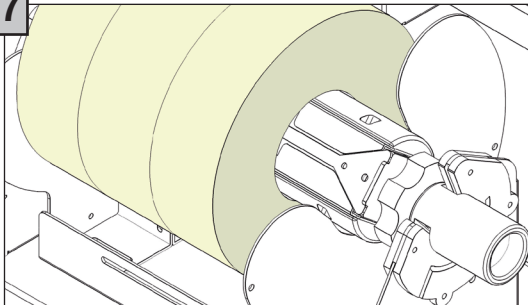
16

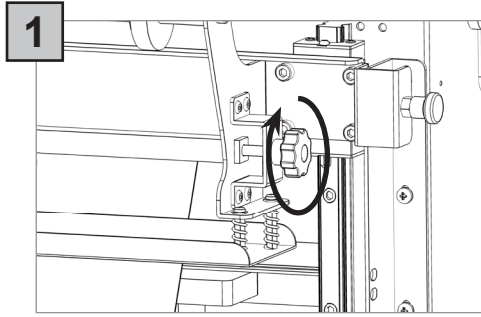Turn on the unit and slowly increase the speed while observing the following areas for errors:

1. Matrix Release

2. Peeling rollers module

3. Slitting
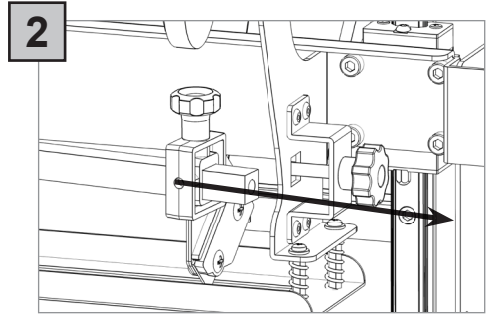
4. Finishing Core holder

17

When the roll is finished, the unit automatically stops.
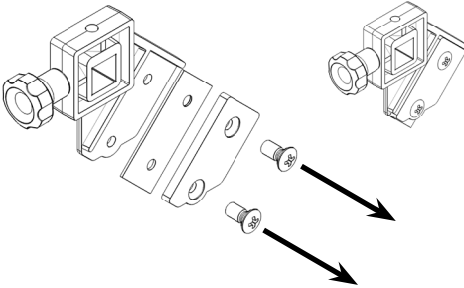
HOW TO ADD OR REMOVE BLADE HOLDERS

1

Remove the iron bar by unscrewing the black thumb screw.

2

Insert or remove the blade holder(s) depending on the job.
Reinstall the slide iron bar and re-screw the thumb screw.

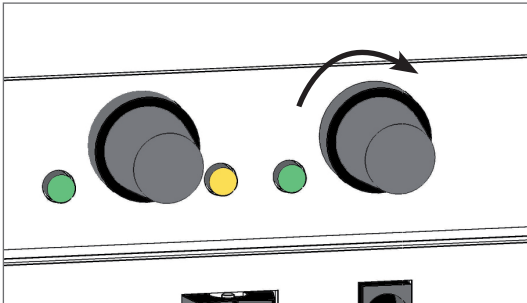# HOW TO REPLACE THE SLITTER BLADE

Loosen the two screws holding the blade in place.
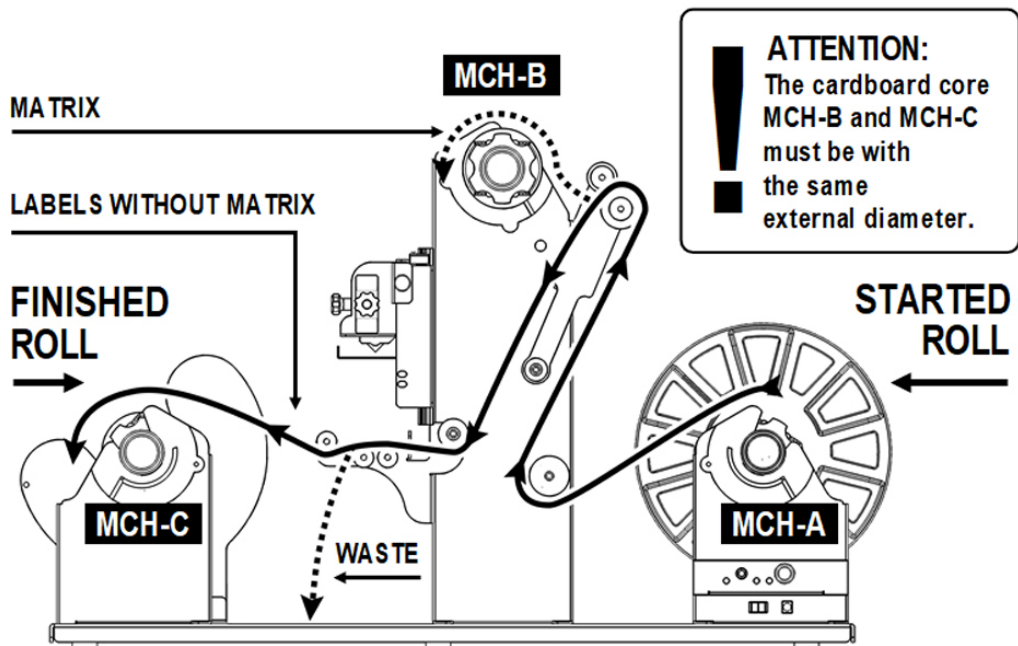
Replace the blade.

Reassembly the blade holder by installing the screws.

HOW TO ADJUST THE CLUTCH ON THE UNWINDER

With the clutch feature it is possible to control the the tension on the media during the process and adjust the tightness on the new rewinded rolls.
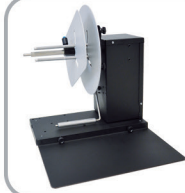
PAPER PATH

MATRIX

LABELS WITHOUT MATRIX

MCH-B

FINISHED ROLL

STARTED ROLL

MCH-C

WASTE

MCH-A

ATTENTION:
The cardboard core MCH-B and MCH-C must be with the same external diameter.
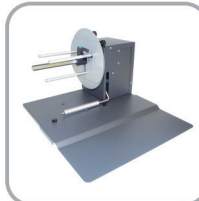
SMART SOLUTIONS FOR THE LABELING INDUSTRY

Label rewinder, label unwinder, electronic label dispenser and more...

OTHER PRODUCTS

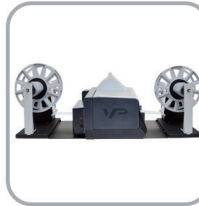LABEL UNWINDER/REWINDER

SMALL LABEL UNWINDER/REWINDER

LABEL COUNTER

ROLL TO ROLL SYSTEM FOR LABEL PRINTERS
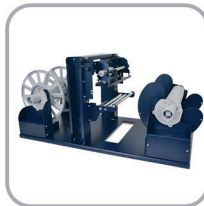
ROLL TO ROLL SYSTEM FOR EPSON PRINTERS

ROLL TO ROLL SYSTEM FOR VIPCOLOR VP SERIES

ROLL TO ROLL SYSTEM FOR PRIMERA LX SERIES

MATRIX REMOVER AND SLITTER

LONGITUDINAL LABEL SLITTER

EASY LABEL DISPENSER

ELECTRONIC LABEL DISPENSER

SCORPIO SERIES: DIGITAL LABEL FINISHING SYSTEMS

GEMINI: DIGITAL DIE CUTTER FOR SHEETS

VIRGO: DESKTOP DIGITAL FINISHING SYSTEM

MOTORIZED CORE HOLDER UNWINDER/REWINDER

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