Roland

To identify your local contact point, please visit www.rolanddg.com/company/d-list.html

Roland

Printing and Cutting Machine
Output Guide
Tips and techniques for improving output accuracy

Thank you very much for using Roland DG products.
In order for you to master the use of Roland DG printing and cutting machines, this guide introduces basic operations and know-how grouped according to its purpose.
Use this guide in your effective and efficient manufacturing.

Basic Operation for Realizing Stable Output

Basic operation 1 Using the middle pinch roller

Basic operation 2 Using the media clamps

Know-how for Mastering Functions Grouped According to Its Purpose

- **I want to reduce cutting misalignments caused by conveyance resistance.**
  - Know-how 1 Enabling the "PREFEED" function
- **I want to reduce cutting misalignments caused by media shrinkage. (1)**
  - Know-how 2 Setting "DRYING TIME P&C" appropriately
- **I want to reduce cutting misalignments caused by media shrinkage. (2)**
  - Know-how 3 Using "crop marks"
- **I want to reduce cutting misalignments caused by lengthy output.**
  - Know-how 4 Using the "CustomCUT" function

1000019083

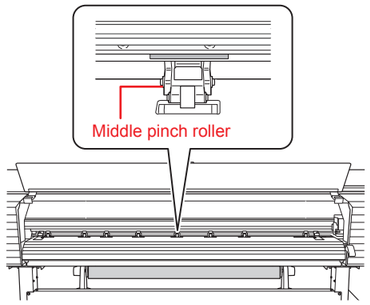
R2-180228
http://www.rolanddg.com/

Copyright © 2017-2018 Roland DG Corporation

For details on how to use the parts and functions, see the instruction manual for the model you are using.

Basic Operation for Realizing Stable Output

Basic operation 1 Using the middle pinch roller



What is the middle pinch roller?

This part presses down on the center of the media to suppress misalignments.

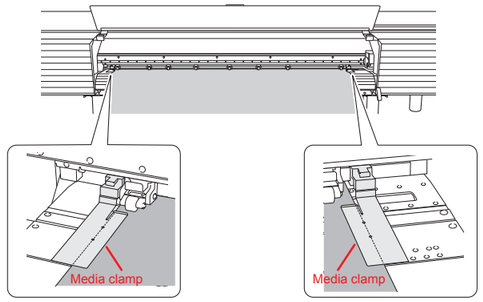
Result

Middle pinch roller prevents the media from becoming misaligned or loose, thereby enabling stable output.

Key point

Roland DG products are equipped with newly developed pinch rollers. This not only improves the performance of media conveyance but also greatly reduces the amount of roller marks on the media.

Basic operation 2 Using the media clamps*



What are the media clamps?

These parts press down on the edges of the media to suppress misalignments.

Result

Media clamps prevent the edges of the media from becoming loose.

Key point

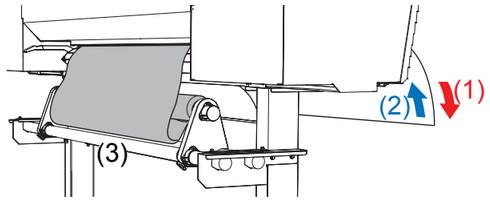
These parts also prevent fuzz on the cut edge of the media from touching the print heads, thereby preventing the printed surface from becoming dirty.

* Do not use the media clamps when cutting media that has been laminated.

Know-how for Mastering Functions Grouped According to Its Purpose

[I want to reduce cutting misalignments caused by conveyance resistance.]

Know-how 1 Enabling the "PREFEED" function



What is the "PREFEED" function?

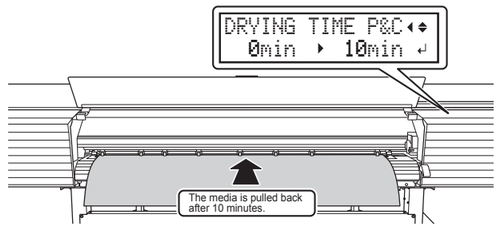
When media is pulled out, conveyance resistance may cause the media to be pulled with excessive force, which may lead to cutting misalignments. To prevent this phenomenon, it is effective to first set the media in a state in which it hangs down (3) and then perform cutting. The "PREFEED" function automatically performs the following operations: (1) pulling out the media, (2) returning the media to its original position, (3) setting the media in a state in which it hangs down, and then starting the cutting.

Key point

It is now also possible to set this from the software RIP (Roland Versa Works Dual).

[I want to reduce cutting misalignments caused by media shrinkage. (1)]

Know-how 2 Setting "DRYING TIME P&C" appropriately



What is the "DRYING TIME P&C" setting?

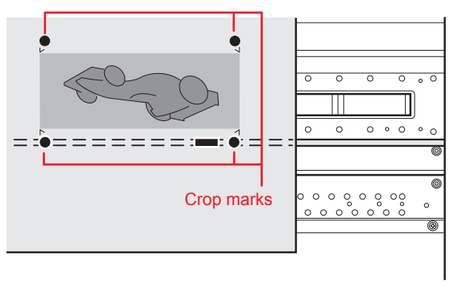
This is used to set the drying time after a page is printed. The next operation is not started until the set time elapses.

Key point

Ensuring a sufficient drying time after printing leads to increased cutting quality. Furthermore, cutting is performed on media on which the ink has dried, which reduces the effect of the middle pinch roller on the printed surface.

[I want to reduce cutting misalignments caused by media shrinkage. (2)]

Know-how 3 Using "crop marks"



What are "crop marks"?

These are marks used to align positions. Set crop marks in advance before printing. These crop marks are then used to align the positions during media cutting.

Result

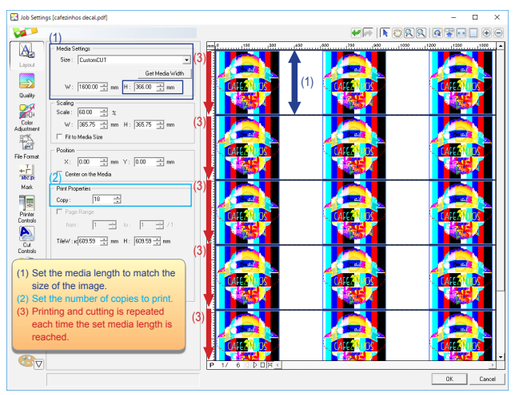
The crop marks are automatically detected in order to perform cutting that is highly accurate in terms of the printing position.

Key point

Crop marks can be used to correct cutting position misalignments caused by media shrinkage.

[I want to reduce cutting misalignments caused by lengthy output.]

Know-how 4 Using the "CustomCUT" function



What is the "CustomCUT" function?

This function can be used to set the detailed operations of printing and cutting according to the item to create.

Result

During lengthy output, the positioning accuracy can be improved by shortening the dimensions of one printing and cutting operation before repeating the operation.

Key point

This is effective when creating multiple stickers with lengthy printing and cutting.
Using this function together with "TU2" mode causes the media to be output while it is taken up, which prevents the media from getting dirty by coming into contact with the floor.