

# **CW-C8000 Series**

# **Paper Feeder/Paper Rewinder**

# **Designer's Guide**

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# Paper Feeder/Paper Rewinder Designer's Guide

The CW-C8000 Series is designed to print with paper fed from inside (roll paper) or fed from outside the printer (roll paper or fanfold paper) or while connected to the optional paper rewinder (TU-RC8000).

If you use an external roll paper feeder and/or paper rewinder with the printer, read this section carefully to know required settings and requirements for using the external devices, and perform adequate verification before starting actual printing.

## Paper Specification

The following types of paper are supported when using an external roll paper feeder and/or paper rewinder with CW-C8000 Series printers.

Paper forms	Paper types	Paper shapes	Backing paper width	Label width	Label length
Full-page label (no marks)	Plain paper label Matte label	Roll paper	If also using a roll paper feeder and rewinder: 50 to 112 mm {1.97 to 4.41 in.}	If also using a roll paper feeder and rewinder: 46 to 108 mm {1.81 to 4.25 in.}	-
Full-page label (Black Marks)	Texture label Synthetic label				
Die-cut label (Gap)	Glossy label High glossy label		If using only a rewinder: 25.4 to 112 mm {1.00 to 4.41 in.}	If using only a rewinder: 21.4 to 108 mm {0.84 to 4.25 in.}	8 to 1016 mm {0.31 to 4.57 in.}
Die-cut label (Black Marks)	Glossy film label				

1. For the latest information on detailed paper specifications and the base paper used in roll paper, contact qualified service personnel.
2. For details on paper specification, see the CW-C8000 Series Technical Reference Guide.
3. If cutting continuous paper for each page, the paper rewinder cannot be used.

## Preparation before Use

If you use an external roll paper feeder and/or paper rewinder with the printer, perform the following items before use.

### Set the Media Source to [Rear Feed]

Set the Media Source to [Rear Feed]. For details on this setting, refer to the CW-C8000 Series User's Guide.



- Make sure that the external roll paper feeder and/or paper rewinder does not interfere with the back feed in the following Print Mode.
  - \* Do not cut (stop at cut position) Back feed amount Approx. 200 mm {7.87 in.}
  - \* Do not cut (stop at specified position) Back feed amount Approx. 200 to 250 mm {7.87 to 9.84 in.}

## Print Speed Setting

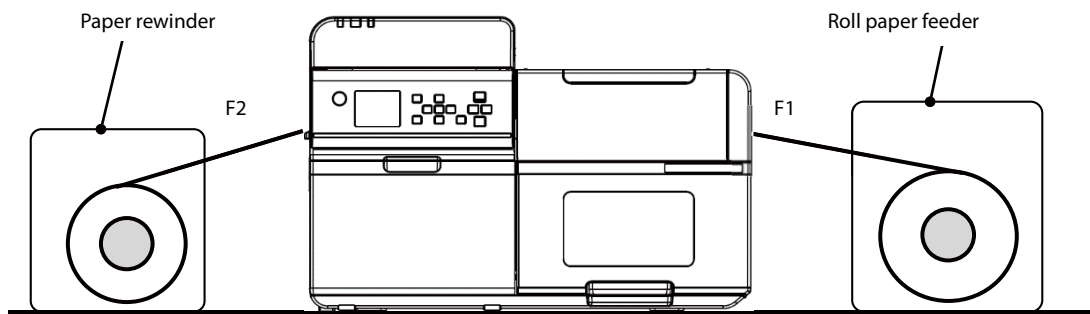
The following table shows the print speeds of this printer.

Print speed	Example of Use
300 mm/s {11.82 in/s}	During printing, performing paper feeding (when the Feed or Back Feed button is operated), moving to the standby-by position, and automatically ejecting paper (at the end of paper)
150mm /s {5.91 in/s}	During printing, performing pre-print movement, and moving to the paper removal position (when the power is turned off or transitioning to low-power mode)
75 mm/s {2.95 in/s} *	When inserting paper and during calibration

\* This cannot be configured by the user.

## Paper Load

The allowable values of tension (F1, F2) applied to paper between the printer and an external device (roll paper feeder or paper rewinder) are as follows.



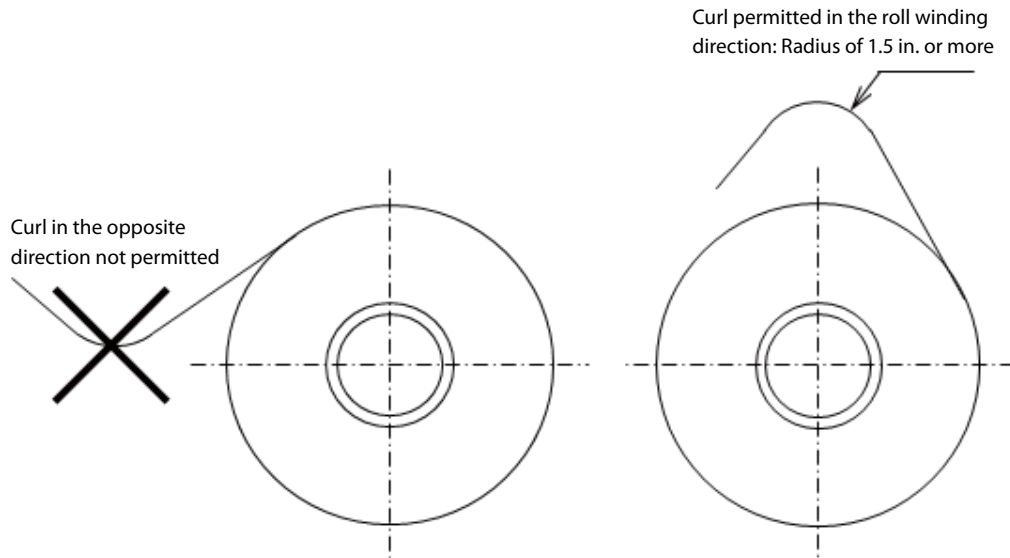
Roll paper feeder side	Paper tension (F1)	1N or less
	Cycle	If there is fluctuation in tension: Set the cycle to 32 mm {1.26 in.}.
Paper (backing paper) rewinder side	Paper tension (F2)	1N or less
	Cycle	If there is fluctuation in tension: Set the cycle to 32 mm {1.26 in.}.

## Paper Curl

When using a roll paper feeder, follow the guidelines below to prevent paper from curling.

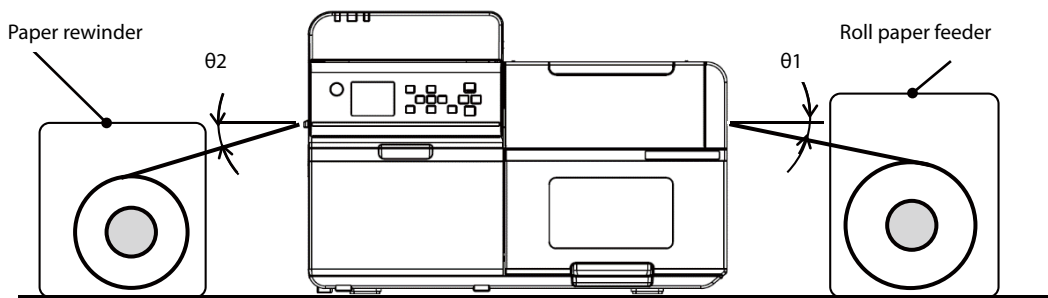
When leaving the printer and the roll paper feeder unused for a long term, take measures so that paper is not curled in the direction opposite to the roll winding direction.

In addition, avoid letting the paper curl with a radius of 1.5 inches or less even if the paper is curled in the roll winding direction.



## Paper Angle for Feeding and Ejecting

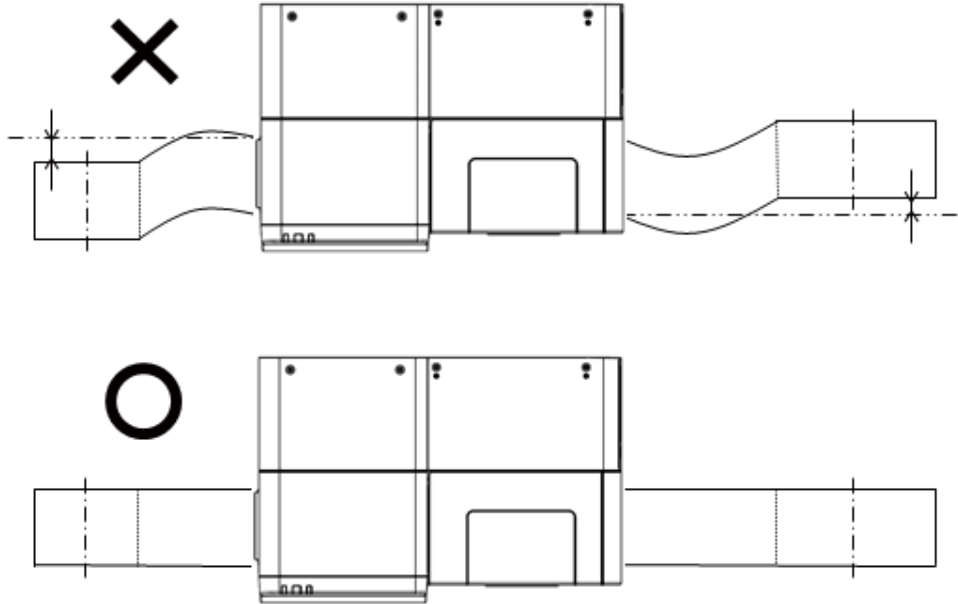
The allowable values of angle for feeding paper from a paper feeder ( $\theta_1$ ) and for ejecting paper to a paper rewriter ( $\theta_2$ ) are as follows.



Angle for paper feeding: $\theta_1$	$10^\circ \leq \theta_1 \leq 20^\circ$
Angle for ejecting paper: $\theta_2$	$0^\circ \leq \theta_2 \leq 20^\circ$

## Position of Paper Feeder and Paper Rewinder

Place external devices (roll paper feeder and/or paper rewriter) so that the printer's paper path (feeding direction and ejection direction) remains straight.



If you find that paper is skewed before it reaches the printer or rewriter, adjust the position of the paper feeder or the paper rewriter.

## Locations of Holes and Shafts on the Bottom Case

There are holes and shafts in the bottom case of the printer as shown in the figures below. They can be used as necessary for positioning the printer, etc. Note that the dimensions shown in the figures are for reference only.

Unit: [mm]

