

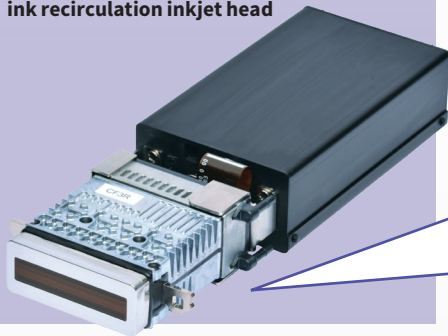
TOSHIBA

Compact ink recirculation system

CC1



Direct connection with CF1/CF3 series ink recirculation inkjet head



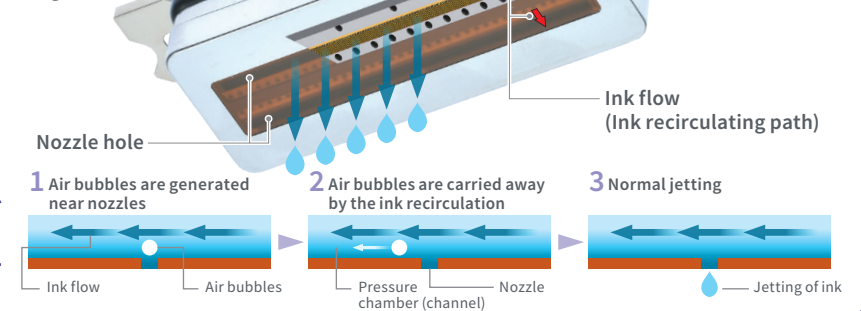
The world's smallest and lightest*
Compact and light-bodied
ink recirculation system with
all required functions prepared

- Employs all required functions, - the control of ink temperature, flow rate and meniscus pressure
- Dedicated control software enables ink recirculation in combination with inkjet head model CF1 and CF3R series
- Eco-friendly ink recirculation system reducing ink wastage at evaluation

* Internal investigation as of October, 2018
Designed to mount directly with inkjet head, incorporating all required components for ink recirculation such as pumps, sensors, and control board.

Mechanism of ink recirculating through all channels

[Image Chart]



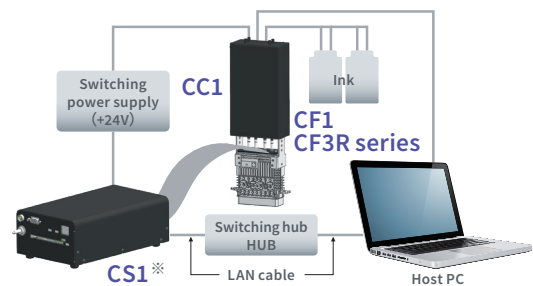
Example: Mounting of ink recirculation system [CC1] with ink recirculation head

Up to 2 colours of ink recirculation per 1 system (300npi)

CC1 series	CC1-TP		CC1-SP
	Dual recirculation configuration		Single recirculation configuration
Inkjet head	CF3 series		CF1 series
	600npi - 1 colour	300npi - 2 colours	300npi - 1 colour
Example of configuration			

Example : configuration of evaluation system

Easy to set up evaluation system by direct connection with CF1/CF3 series and dedicated control software



* Inkjet head controller board for CF3
[Mounting of CC1 onto CF1/CF3 series requires auxiliary mounting tools.]

Specifications



CC1-SP

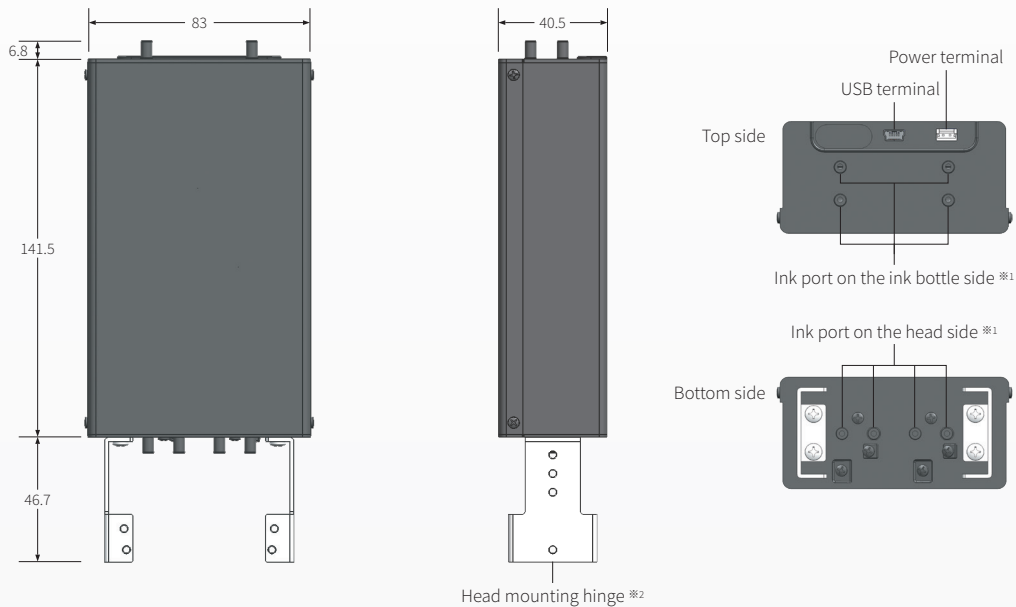
CC1-TP

Compatible head	CF1B/CF1BL	CF3/CF3R/CF1BXL (CF1BXL is used with 1 recirculation configuration)
Number of circulation flow path systems	Single system	Dual system
Ink temperature setting range	Up to 60°C	
Heater	Included	
Ink-warming performance	Ambient temperature +20°C	
Circulation flow rate	50 mL/min	CF3/3R: 35 mL/min CF1BXL: 50 mL/min
Meniscus pressure adjustment range	0~-3.0 kPa	
Minimum circulating ink Volume	20 mL	
Power supply	DC24 V 3 A or higher	
Environmental conditions for usage	5~35°C, 20~80%RH, with no condensation	
Ink type	Conforms to the inkjet head (consult us for compatibility assurance)	
Size, weight	83 mm (W) x 40.5 mm (D) x 141.5 mm (H) (excl. boss) 280 g	83 mm (W) x 40.5 mm (D) x 141.5 mm (H) (excl. boss) 360 g
Necessary hardware for customers	PC, Power Supply	
PC connection method	USB 2.0	
Operation software	Windows 10 dedicated application	

※ The specifications above may change depending on the type of ink used.

※ The specifications above and appearance may be modified due to certain circumstances.

External dimensions (mm)



※1 The chart above is CC1-TP. The body dimension of CC1-SP is of the same size.

※2 The types of head mounting hinge differs depending on the head.

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