

YELLOWSTONE

Single-Use Aqueous Cartridge

Key Specifications

- Up to 1/4" (6mm) throw distance*
- Single-use
- Single-color
- Water-based inks
- 1/2" (13.5mm) print swath
- 600 DPI
- Drop mass: 22pl*
- 24 kHz effective (12 kHz per nozzle)*

Key Applications

- Primary package coding
- Secondary case/tray coding
- Mailing/Addressing
- Variable data coding (lot/expiration)
- Other porous substrates

About

Yellowstone is a disposable monochrome aqueous industrial cartridge with 640 nozzles and a 1/2" print swath. With a 24kHz printing speed, Yellowstone nearly doubles the speed and/or resolution of the competition. Common uses include text, barcodes, and graphics on porous and semi-porous substrates.




The cartridge design features long open times with aqueous inks while ensuring a low cost of operation. On chip READ/WRITE memory ensures that only approved inks are utilized in OEM partner machines.

Target Customer

The ideal customer:

- Utilizes porous and semi-porous substrates
- Values low-cost, high-resolution printing
- Runs small-to-medium production batches
- Requires fast ink changeout

Print Speed Table

12 kHz Print Speed Translation			
Horizontal DPI	Max. Line Speed* (Single Channel)	Max. Line Speed* (Dual Channel)	Sample Print Image (Simulated)
300	200 ft/min (~61 m/min)	400 ft/min (~122 m/min)	 1 234567 890128 Funai 300 DPI Printing
150	400 ft/min (~122 m/min)	800 ft/min (~244 m/min)	 1 234567 890128 Funai 150 DPI Printing
75	800 ft/min (~244 m/min)	1,600 ft/min (~490 m/min)	 1 234567 890128 Funai 75 DPI Printing

Contact Us

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*Fluid Dependent

Powered By Funai

Funai focuses on research and development of thermal inkjet microfluidics for specialty printing, life sciences, and consumer applications. With hundreds of printing-related patents, Funai is recognized as a top-tier microfluidic designer and manufacturer with scaling capabilities to partner with global industries.



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About

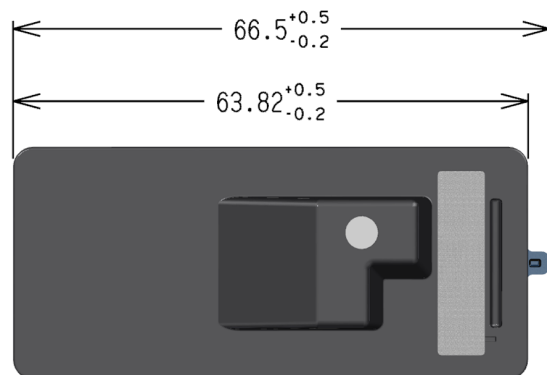
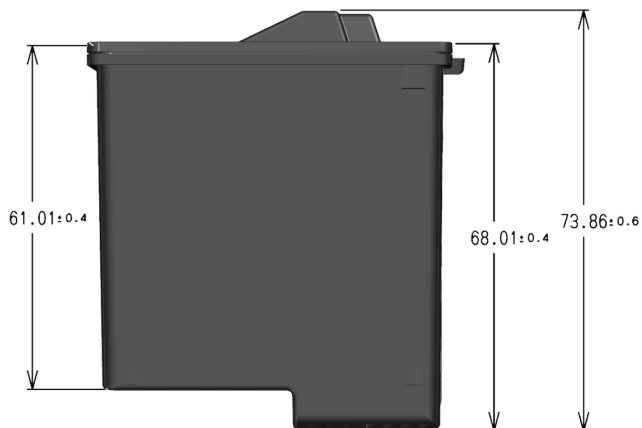
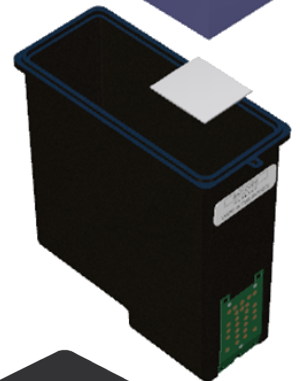
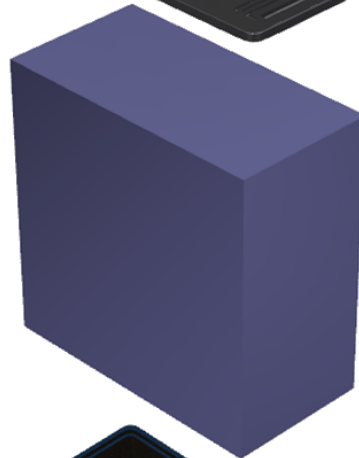
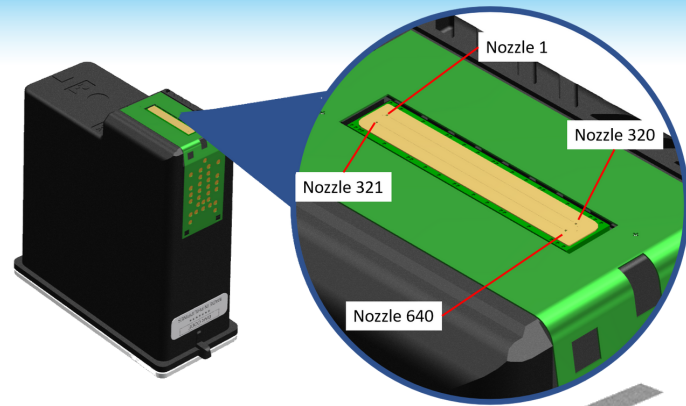
Model	Funai Model No: F612**, F622**	
Environmental Protection	RoHS / REACH	
Printable Images	Text Barcodes Graphics	
Ink Capacity	Ink fill (avg)	46ml*
	Deliverable ink (avg)	42ml*
Nozzles	640 (two rows of 320)	
Heater Pitch	600 DPI	
Print Swath	0.532" (13.5mm)	
Firing Frequency	12 kHz per nozzle*	
Pen Stall	Shetland/Clydesdale	
Nozzle Sealing Method	Nozzle Tape	
Reservoir Type	Foam	

Usage

Working Location	Indoor	
Working Temperature	5C-35C (~40F-95F)	
Working Humidity	8%-80% (non-condensing)	
Compatible Solvents	Aqueous not to exceed 10% Ethanol	
Ink Properties	PH	7-8
	Surface Tension (dynes/cm)	24-45
	Viscosity (cP)	2-10
	Particle Size (nm)	111.00
Filling Method	Vacuum Filler (LOBOZAR TECHNIK)	
Drop Size	22pl*	

Dimensions and Storage

Size(mm)	28.8(W) x 73.9(H) x 66.5(D)	
Weight	32g	
Storage Temperature	1C~43C (~34F-110F)	
Storage Humidity	5%-80% (non-condensing)	
ATM Pressure	<1609 (~5280ft)	
Shelf Life (Empty)	12 months	



*Fluid Dependent

