



No other printer in the world utilizes the Gerber Cold Fire Cure™ system. Combined with GerberCAT™ cationic UV inks, the Solara ion series is the industries leading green solution.



No Ozone

The UV lamps used in the Solara ion series create no ozone, unlike the high-pressure mercury vapor UV lamps used in other printers.



No VOC's

The Solara ion series is emission free and releases no volatile organic compounds into the air.



Eco Materials

The low temperature Cold Fire Cure™ used in the Solara ion series allows them to print on heat sensitive materials like biodegradable & recycled sign board.



Energy Efficient

The low energy Cold Fire Cure uses less energy during printing than other high temperature UV curable systems.



Reduced Waste Material

The roll-to-roll configuration on the Solara ion^X only requires a 1' material leader before printing, compared to up to 3' on other inkjet printers.



Go Lean

Print directly onto the widest variety of substrates in the world. Reduce the time it takes to make a rigid sign (Print, Apply, Laminate & Trim) by printing directly on rigid materials.

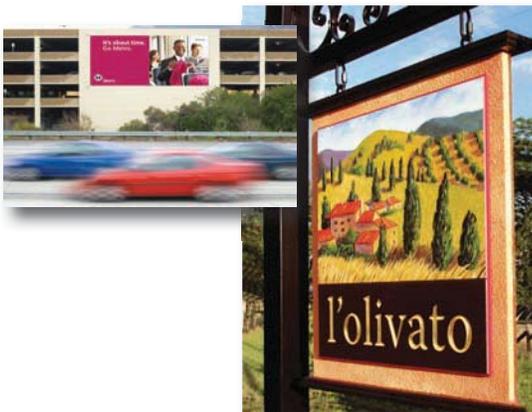


The Next Generation of UV Ink Jet Technology

The Gerber Solara ion™ is the result of Gerber's continued dedication to the global sign making and digital graphic printing industries. Through extensive customer research and years of technological development, Gerber has created the Solara ion.

This innovative printing system is driven by the latest developments in electronics and software to provide speed, accuracy and consistency; all of which have been designed to support Gerber's revolutionary, patent pending print engine technology. This new printing system is further enhanced by an entirely new Cationic UV ink set which yields features and benefits unmatched by any other printer.

The Gerber Solara ion is truly the most affordable, fully-functional, outdoor durable, wide-format printer in the world.



Visit us at www.gerberson.com for more information.

Specifications

Solara ion ^x		Solara ion ^v
Print Head Set	Two print heads per color	One print head per color
Resolution	Up to 720 dpi, multi-pass printing	Up to 720 dpi, multi-pass printing
Print Through-put	9 User-selectable print modes (See table below)	9 User-selectable print modes (See table below)
Max Printing Width (Flat material)	64" x 120" Full-bleed (162cm x 305cm)	64" x 100" Full-bleed (162cm x 254cm)
Max Printing Width (Roll material)	63" (160cm)	N/A
Max Material Thickness	Up to 1" (25mm) thick	Up to 1" (25mm) thick
Overall Size	104" (W) x 148" (L) x 54" (H) 264cm (W) x 376cm (L) x 137cm (H)	104" (W) x 140" (L) x 54" (H) 264cm (W) x 355cm (L) x 137cm (H)
Printing Technology	Piezo, drop-on demand Cationic UV curable	
Curing Technology	Cold Fire Cure™ low energy curing, patent pending	
Ink Set	GerberCAT™ Cationic UV Inks - bulk; 1 liter pouch	
Colors	4 colors: Vibrant C, M, Y, K	
Drying Method	Dual Cold Fire Cure UV lamps	
Communication Port	Ethernet TCP/IP	
Power Range	230/240 VAC, 50/60 Hz, 20 A, single phase	
Operating Temperature	65 - 75° F (18.5°C - 23.5°C)	
Operating Humidity	40 - 60% RH (Not condensing)	
Installation	Crated; fits through 36" (91cm) standard door opening	
Venting	No special ventilation required	

Print Through-put				
4' x 8' sheet print timing from first to last swipe only				
User-Selectable Print Modes	Solara ion ^x		Solara ion ^v	
	360 x 360	720 x 720	360 x 360	720 x 720
2-pass, bi-dir	6 min.	---	11 min.	---
4-pass, bi-dir	10 min.	---	18 min.	---
8-pass, bi-dir	18 min.	---	35 min.	---
2-pass, uni-dir	8 min.	30 min.	15 min.	53 min.
4-pass, uni-dir	14 min.	57 min.	27 min.	107 min.
8-pass, uni-dir	28 min.	106 min.	58 min.	202 min.

Visit us at www.gerberson.com for more information.

“I need a printer that will grow my business and make me more profitable.”

Speed

The Solara ion offers the widest range of user-selectable print modes offering a variety of choices in print speed and resolution.

Quality

The Solara ion is built on a robust flatbed platform that provides the best possible foundation for printing rigid materials. Material up to 1"/25.4mm thick and 64"/1.6m wide is mounted on a vacuum table while a gantry moves the print heads over the substrate during printing.

Versatility

The Solara ion is easily the most versatile printer in the world. With true flatbed and true roll-to-roll printer functionality; supporting the widest array of applications and material diversity.

Value

Gerber developed the Solara ion to exceed expectations in a wide-format printer, including the price. You simply won't find a better built, feature-rich wide-format printer than the Gerber Solara ion.



GerberCAT™ and Cold Fire Cure™

GerberCAT inks are an exclusive, **VIBRANT** four color (C,M,Y,K) cationic UV ink set. Combined with Gerber's patent pending Cold Fire Cure technology, GerberCAT Cationic UV inks are cured at approximately room temperature. This greatly expands the range of materials that can be printed by the Solara ion. Heat sensitive plastic, vinyl, fabric, paper-based materials, and even glass and metals can be printed with unmatched adhesion and abrasion resistance.

Cold Fire Cure offers a vast array of benefits over any competitive curing process in the areas of material compatibility, cost of operation, and even environmental health and safety.

The combination of Cold Fire Cure and GerberCAT inks makes the Gerber Solara ion one of the most versatile printers in the world.

Cationic UV ink for the widest array of applications. One ink set for both rigid and roll-to-roll applications, usable immediately after printing



True roll-to-roll printer; 63" print width with 63" material capacity with integrated take-up

Performance Properties

Cure Energy Required	
Adhesion	
Flexibility	
Abrasion Resistance	
Chemical Resistance	
Environmental Durability	
Color Gamut	
Opacity	

True flatbed with robust foundation and vacuum table with 5 x 10 sheet, 1" thick, 64" full-bleed capacity



Cold Fire Cure patent pending low energy curing technology cures GerberCAT inks at room temperature to support the widest array of materials and the greatest variety of applications



GerberCAT Cationic UV Vibrant ink set provides unmatched adhesion and abrasion resistance

Traditional Free Radical UV Ink	NEW GerberCat™ Cationic UV Ink
High	Low
Fair	Excellent
Poor	Excellent
Fair	Excellent
Poor	Excellent
Good	Excellent
Poor	Excellent
Good	Excellent

Performance Properties	Traditional Mercury Vapor	NEW Cold Fire Cure™
Generates environmental ozone	Yes	No
Lamp cost	High	Low
Lamp life	Very Low	Very High
Material compatibility	Moderate	Very High
Generates heat on material surface	Yes	No

Visit us at www.gerbersolara.com for more information.

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Contact your distributor today to see the Solara ion in action.

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